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24 February 2022

Mr. David Locey
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, NY 14203

Groundwater and Surface Water Sampling Field Summary Report
Former Westinghouse Site (NYSDEC Site No. 915066) Buffalo Niagara International Airport, Cheektowaga, New York

Dear Mr. Locey,

On behalf of Paramount Global (f/k/a ViacomCBS Inc., f/k/a Westinghouse Electric Corporation [Westinghouse]), GHD is presenting this Groundwater and Surface Water Sampling Field Summary Report for the groundwater and surface water sampling event conducted on November 15 and 16, 2021 at the Former Westinghouse Manufacturing Facility (Site) at the Buffalo Niagara International Airport in Cheektowaga, New York. The sampling event was conducted in general accordance with the Letter Work Plan for Proposed Groundwater and Surface Water Sampling at the Former Westinghouse Site (Work Plan) prepared by GHD on behalf of Westinghouse, dated November 14, 2019, approved by the New York State Department of Conservation (NYSDEC) in a letter dated September 15, 2021. This letter presents a summary of the methodologies and results of the sampling event. The field paperwork generated during the sampling event is included as Attachment A.

1. Groundwater Sampling

GHD sampled existing monitoring wells MW-2, MW-5, MW-28, MW-30, MW-31, MW-32, MW-33, MW-34, MW-34D, and MW-35 during the sampling event using a peristaltic pump and low-flow methods. Well locations are shown on Figure 1. Field parameters (pH, specific conductance, temperature, oxidation-reduction potential, dissolved oxygen, and turbidity) were measured in approximate 5-minute intervals during the well purging and are presented in Attachment B. All field measurements and observations are indicated on the field forms included in Attachment A. Initial water levels measured at each well prior to purging the well are presented in Table 1 below.

Table 1

Well	Depth to Water (ft. BTOR)
MW-2	7.05
MW-5	2.35
MW-28	5.74

Well	Depth to Water (ft. BTOR)
MW-30	3.69
MW-31	2.76
MW-32[1]	1.26
MW-33	4.81
MW-34	2.40
MW-34D	0.28
MW-35	11.08

Notes:

Ft. BTOR – Feet below top of riser

[1] MW-32 is located 1,400 feet away from the Site

Purge water was disposed directly to the ground surface as directed by the Niagara Frontier Transportation Authority (NFTA) Environmental Manager and Brian McDonald, NFTA Project Manager.

Following completion of purging, GHD collected groundwater samples from the ten wells for analysis of the following Site-specific volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Standard Method 624.1: cis-1,2-dichloroethylene; 1,1,1-trichloroethane; trichloroethylene (TCE); vinyl chloride; and toluene; and for the following Site-specific metals via USEPA Method 200.7: total lead and total cadmium. One blind field duplicate sample was collected from MW-5 and analyzed for all parameters, and one matrix spike/matrix spike duplicate (MS/MSD) sample was collected from MW-34D. The samples were shipped on ice by overnight courier under standard chain of custody procedure to Eurofins TestAmerica in Pittsburgh, Pennsylvania, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. A trip blank prepared by the laboratory accompanied the sample bottles at all times and was also analyzed for VOCs.

2. Surface Water Sampling

GHD collected grab samples from the manholes and catch basins identified as MH-1A, MH-1B, MH-1C, MH-2A, MH-2B, MH-2C, MH-2D, MH-3A, MH-3B, and MH-3C during the sampling event using dedicated and disposable dipper cups and bailers. Sample locations are shown on Figure 1. Indications of flow and sediment presence were noted during sample collection. Flow measurements were not performed. Field measurements for pH were performed as part of sample collection. All field measurements and observations are indicated on the field forms included in Attachment A. Water levels measured at each location prior to sample collection are presented in Table 2 below.

Table 2

Location	Depth to Water (ft. $BTOR_f$)
MH-1A	12.98
MH-1B	7.10
MH-1C	7.95
MH-2A	8.18
MH-2B	8.18
MH-2C	5.13
MH-2D	4.03
MH-3A	3.52
MH-3B	4.73
MH-3C	5.82

Notes:

Ft. BTOR – Feet below top of reference point

GHD collected surface water samples from the ten locations for analysis of the following Site-specific VOCs via USEPA Standard Method 624: cis-1,2-dichloroethylene; TCE; tetrachloroethylene (PCE); vinyl chloride; methylene chloride; 1,2-dichlorobenzene; and toluene; and for the following Site-specific metals via USEPA Method 200.7: total lead, total chromium, and total cadmium. One blind field duplicate sample was collected from MH-2C and analyzed for all parameters, and one MS/MSD sample was collected from MH-3B. Additional samples were collected from each location for analysis of total suspended solids and pH. The samples were shipped on ice by overnight courier under standard chain of custody procedure to Eurofins TestAmerica in Pittsburgh, Pennsylvania. A trip blank prepared by the laboratory accompanied the sample bottles at all times and was also analyzed for VOCs.

3. Analytical Results and Closing

The laboratory analytical data reports for the groundwater and surface water samples collected and submitted for analysis are included as Attachment C. Tables 3 and 4 (following the text) present the analytical results for the groundwater and surface water samples, respectively

A GHD chemist completed a reduced data validation on the laboratory analytical data package from the sampling event. The chemist concluded that the laboratory data are acceptable with the noted qualifications. The data validation memo is included as Attachment D.

The following is a brief discussion on the results of this sampling event.

Groundwater Results

From the 10 groundwater samples collected in 2021, no analytes were detected at concentrations above the NYSDEC Class GA Groundwater Standards. In fact, VOC concentrations were non-detect, with the exception of trace concentrations (less than 2 ug/L) for three of the VOCs at monitoring well MW-32 which is located 1,400 feet north of the former manufacturing plant area (Site). The 2021 results are consistent with the historic sampling performed at the Site. These results confirm the conclusions of the previous reports for the former facility in that the overall overburden groundwater regime has not been impacted by the operations at the former Westinghouse facility. The only significant impact to the groundwater regime is the isolated chemical presence pockets identified in the trenches that have been excavated into the fine-grained overburden soils for installation of the various sewer systems.

Storm Sewer Results

GHD performed a Mann-Kendall trend test on the storm water data collected in the sewer conveyance system from 2008 through 2021 to update the results of the Mann-Kendall trend test included in the 2017 post-closure report. The storm water data for samples collected from 2008 through 2021 is presented in Table 5 (following the text). The results of the updated statistical analysis are presented in Attachment E and demonstrate that concentrations of total VOCs, TCE, PCE, chromium, lead, and cadmium (where detected) have predominantly been stable exhibiting no significant trends over time following Site closure. The only exceptions to this are the statistically significant trends that were identified at the following locations:

– There were decreasing trends for TCE and PCE at MH 2B and 3A.
– There was an increasing trend in lead concentrations in water collected from MH-3A, albeit at fairly low concentrations below the remedial action objective of 25 µg/L for lead in groundwater and below the groundwater effluent limitation of 50 µg/L for discharge of lead to Class GA waters.

As noted in Attachment E, the Mann-Kendall trend test does have some limitations (due to the frequency and time period of testing and the number of non-detects). Consequently, a closer review of the specific VOC storm water quality data has been performed. Based on this review, the following observations are evident:

- **1,2 Dichlorobenzene –** All of the 2021 sample results were non-detect. In fact, all the sample results measured since 2014 have been non-detect.
- **Methylene Chloride –** All of the 2021 sample results were non-detect, as have most of the sample results measured since 2014.
- **Toluene –** All of the 2021 sample results were non-detect, as have most of the sample results measured since 2014.
- **Vinyl Chloride –** Eight of the ten sample results from 2021 were non-detect or detected at concentrations less than 1 ug/L. The remaining two samples had concentrations of 1.1 and 1.5 ug/L, which are below NYSDEC Class GA Groundwater Standards.
- **cis-1,2-Dichloroethylene –** Of the 10 samples collected in 2021, five were non-detect or at concentrations less than 1 ug/L. Three samples were at their lowest detected level ever for those specific locations indicating that concentrations of cis-1,2-dichloroethylene are continuing to decrease. The concentrations in the remaining two samples (MH 2A and 2D) were higher than the results in the next most recent sampling event (2016) but are well within the range of values in the post-shutdown era and are well below the highest concentrations measured in the post-shutdown era for these two manhole locations (at 18 percent of the peaks). As a further note, the presence of cis-1,2-dichloroethylene in the sewers indicates that the original TCE released at the Site is continuing to naturally degrade in place. This is an encouraging factor in the overall remediation of the Site.
- **PCE –** Of the 10 samples collected in 2021, six were non-detect or at concentrations less than 1 ug/L. One sample had the same concentration as in 2016. The remaining three samples were at their lowest detected level ever for those specific locations indicating that concentrations of PCE are continuing to decrease.
- **TCE –** Of the 10 samples collected in 2021, five were non-detect. Three samples were at their lowest detected level ever for those specific locations indicating that concentrations of TCE are continuing to decrease. The concentrations in the remaining two samples (MH 2A and 2D) were higher than the results in the next most recent sampling event (2016) but are well within the range of values in the post-shutdown era and are well below the highest concentrations measured in the post-shutdown era for these two manhole locations (at 10 percent of the peaks).

These results show that the sewer water quality is continuing to improve, with 16 of 30 samples for cis-1,2-dichloroethylene, PCE, and TCE at non-detect or less than 1 ug/L, with nine of the 30 sample results for cis-1,2-dichloroethylene, PCE, and TCE now at their lowest concentrations ever, and with 4 of the remaining 5 samples for these compounds at lower than 10% for two and 18% for the other two of the peak concentrations.

To put the remaining chemical presence in the sewers into perspective, consider the following:

- The highest concentration measured in the 2021 sampling event was 81 ug/L of TCE in MH 2A. Upon checking with the field crew who performed the sampling, the flow in MH 2A where this sample was collected, was only a trickle (as was the case at most of the sampled manholes). Although specific flow measurements were not made at the time of the sample collection, it was estimated by the field crew that the trickle of flow was on the order of 1 gallon/minute. At this flow rate, the discharge of TCE from the sewer system into U Crest Ditch is estimated to be as follows:

  81 µg/L X lb/4.53E+8 µg X 3.78 L/gal x 1 gal/min X 525600 min/yr = **0.36 Pounds/Year**
- At less than a pound / year of TCE discharge from the sewer system to the receiving stream (U Crest Ditch), the environmental significance of such a discharge is minimal. In fact, the slightest increase in flow in the sewer system due to precipitation inflow would dilute the TCE concentration in the sewer to less than the New York State Class B, C, or D surface water criteria of 40 ug/L. Coupling this with the dilution that would occur when the sewer flow enters the flow in the ditch ensures that the resulting concentration of TCE would be significantly reduced. Further, the half-life of TCE in a stream due to volatilization is only 1.2 hours to 4.6 days and the biodegradation half-life is only around 6 days (Agency for Toxic Substances & Disease Registry).

Based on the results of this sampling event, the following conclusions are evident:

1. The overall overburden groundwater flow regime meets Class GA groundwater standards and will continue to do so into the future.
2. The chemical concentrations in the sewer system are continuing to decrease.
3. Even the highest concentrations measured in the 2021 sampling event pose no significant environmental or public health risk.
4. It is not expected that future threats / risks due to the storm water quality would be any different.
5. The data provide ample evidence that closure of the groundwater collection and treatment system for OU2 at the Site has not resulted in any rebound of concentrations and expectations are that the concentrations will continue to reduce with time.
6. The investigations have shown that the operations associated with OU2 have been successful and are no longer necessary and OU2 should be considered complete.

Should you have any questions or wish to discuss the work completed, please do not hesitate to contact Maggie Popek at 716-205-1973 or margaret.popek@ghd.com.

Regards

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Project Manager/Geologist

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LEGEND

- MW-32 GROUNDWATER MONITORING WELL
- COLLECTION SYSTEM MANHOLE OR SUMP (SYSTEM 001/002/003) (CLOSED)
- PUMPING MANHOLE (CSMH-001/002/003) (CLOSED)
- 2A MONITORING LOCATION
- NFTA STORM SEWER
- CSMH FORCEMAIN (CLOSED)
- CSMH-001 SYSTEM (CLOSED)
- CSMH-002 SYSTEM (CLOSED)
- CSMH-003 SYSTEM (CLOSED)

MW-32
1,400' NORTH

MW-33
400' NORTHEAST

MH-001-09
MH-001-10
MH-001-06
MH-001-13
MH-001-02
MH-001-14
MW-34
MW-34D
MH-001-03
(NOT FOUND)
(NOT FOUND)
MH-002-05
MH001-01
CSMH-001
MW-35
MW-30
1B
1C
1A
EAST
ENTRANCE/EXIT

MH-002-13
MH-002-12
MH-002-10
MH-002-15
MH-002-09
MH-002-06
MH-002-07
MH-002-03
MH-002-02
MH002-01
CSMH-002
MW-31
2C
2D
2B
3A
2A

MH-003-07
MH-003-04
MH-003-03
CSMH-003
3B
MH003-01
MH-003-02
3C
MW-2
MW-28

LONG TERM PARKING

LONG TERM PARKING

GENESEE STREET

N

0 80' 160'

GHD

NYSDEC SITE No. 915066
CHEEKTOWAGA, NEW YORK

GROUNDWATER MONITORING WELL LOCATIONS AND NFTA STORM SEWER MONITORING LOCATIONS

Project No. 11201415
Report No. LOCEY001
Date DEC 2021

FIGURE 1

Filename: N:\US\Niagara Falls\Projects\564\11201415\Digital_Design\ACAD 2020\Figures\Locey-001\11201415-20-Locey001.dwg
Plot Date: 14 December 2021 - 6:48 AM

Table 3

Groundwater Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		NYSDEC Class GA Groundwater Standards	MW-2	MW-5	MW-5	MW-28
Sample Name:			WG-11201415-111521-SG-008	WG-11201415-111521-SG-002	WG-11201415-111521-SG-004	WG-11201415-111521-SG-006
Sample Date:			11/15/2021	11/15/2021	11/15/2021	11/15/2021
					Duplicate	
Parameters	**Unit**					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	1.0 U	1.0 U	1.0 U	1.0 U
Metals						
Cadmium	µg/L	5	0.65 J	5.0 U	5.0 U	5.0 U
Lead	µg/L	25	20 U	10 U	2.9 J	8.3 J

Table 3

Groundwater Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		NYSDEC Class GA Groundwater Standards	MW-30	MW-31	MW-32	MW-33
Sample Name:			WG-11201415-111621-DT-007	WG-11201415-111521-DT-001	WG-11201415-111521-DT-003	WG-11201415-111621-SG-009
Sample Date:			11/16/2021	11/15/2021	11/15/2021	11/16/2021
Parameters	**Unit**					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 UJ
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.8	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	1.0 U	0.71 J	1.0 U
Vinyl chloride	µg/L	2	1.0 U	1.0 U	0.88 J	1.0 U
Metals						
Cadmium	µg/L	5	5.0 U	5.0 U	5.0 U	5.0 U
Lead	µg/L	25	10 U	10 U	3.5 J	10 U

Table 3

Groundwater Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		NYSDEC Class GA Groundwater Standards	MW-34	MW-34D	MW-35
Sample Name:			WG-11201415-111621-SG-011	WG-11201415-111621-SG-010	WG-11201415-111621-DT-005
Sample Date:			11/16/2021	11/16/2021	11/16/2021
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5	1.0 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	1.0 U	1.0 U	1.0 U
Metals					
Cadmium	µg/L	5	5.0 U	0.35 J	5.0 U
Lead	µg/L	25	10 U	10 U	10 U

Notes:

NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998)

µg/L - Micrograms per liter

U - Not detected at the associated reporting limit

J - Estimated concentration

UJ - Not detected; associated reporting limit is estimated

Table 4

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		1A	1B	1C	2A
Sample Name:		WS-11201415-111521-SG-009	WS-11201415-111621-SG-010	WS-11201415-111621-SG-011	WS-11201415-111521-SG-004
Sample Date:		11/15/2021	11/16/2021	11/16/2021	11/15/2021
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.80 J	1.0 U	6.2
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	0.48 J	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	81
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.53 J
Metals					
Cadmium	µg/L	1.2 J	5.0 U	5.0 U	0.38 J
Chromium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Lead	µg/L	10 U	10 U	10 U	10 U
General Chemistry					
Temperature, at time of pH analysis	Deg C	21.3	21.3	21.2	22.9
Total suspended solids (TSS)	mg/L	9.1	2.7	4.2	1.7
pH, lab	s.u.	7.9 J	8.2 J	8.1 J	8.2 J

Table 4

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		2B	2C	2C	2D
Sample Name:		WS-11201415-111521-SG-005	WS-11201415-111521-SG-006	WS-11201415-111521-SG-007	WS-11201415-111521-SG-008
Sample Date:		11/15/2021	11/15/2021	11/15/2021 Duplicate	11/15/2021
Parameters	**Unit**				
Volatile Organic Compounds					
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	4.3	7.4	9.6	11
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	2.1	3.9	4.9	0.95 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	9.9	14	18	60
Vinyl chloride	µg/L	0.57 J	1.3	1.7	1.1
Metals					
Cadmium	µg/L	5.0 U	0.37 J	0.44 J	5.0 U
Chromium	µg/L	3.1 J	7.8	13	5.9
Lead	µg/L	10 U	15	17	4.9 J
General Chemistry					
Temperature, at time of pH analysis	Deg C	22.0	21.9	21.6	21.7
Total suspended solids (TSS)	mg/L	82	150 J	440 J	94
pH, lab	s.u.	9.5 J	9.1 J	9.3 J	8.6 J

Table 4

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Location ID:		3A	3B	3C
Sample Name:		WS-11201415-111521-SG-001	WS-11201415-111521-SG-002	WS-11201415-111521-SG-003
Sample Date:		11/15/2021	11/15/2021	11/15/2021
Parameters	**Unit**			
Volatile Organic Compounds				
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	4.3	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.8	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	8.2	1.0 U	1.0 U
Vinyl chloride	µg/L	0.54 J	1.0 U	1.0 U
Metals				
Cadmium	µg/L	0.41 J	25 U	2.3 J
Chromium	µg/L	12	25 U	13 J
Lead	µg/L	19	50 U	45 J
General Chemistry				
Temperature, at time of pH analysis	Deg C	23.3	22.5	21.9
Total suspended solids (TSS)	mg/L	69	20	270
pH, lab	s.u.	9.2 J	8.1 J	7.9 J

Notes:
µg/L - Micrograms per liter
mg/L - Milligrams per liter
Deg C = Degrees Celsius
U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
s.u. - Standard Units

Table 5

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
2008 - 2021

Manhole Designation	Date of Sampling	pH (s.u.)	Total Suspended Solids (mg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	1,2-dichlorobenzene (µg/L)	cis-1,2-dichloroethylene (µg/L)	Methylene Chloride (µg/L)	Toluene (µg/L)	Tetrachloroethylene (µg/L)	Trichloroethylene (µg/L)	Vinyl Chloride (µg/L)
MH-1A	12/18/08	NA	NA	NA	NA	NA	1 U	1 U	1 U	**0.21 J**	**0.71 J**	1 U	NA
	04/16/09	NA	NA	**1.3 J**	**3.0 J**	**6.1**	1 U	1 U	1 U	**0.20 J**	**0.94 J**	1 U	1 U
	07/14/14	**7.90 J**	**2.4**	**0.61 J**	**1.4 J**	NA	1 U	1 U	1 U	1 U	**1.9**	1 U	NA
	11/24/14	**7.64 J**	**46**	**0.54 J**	**3.8 J**	**3.1 J**	1 U	1 U	1 U	1 U	**0.25 J**	**0.22 J**	1 U
	04/01/15	**8.01 J**	**13 J**	**1.1 J**	**1.9 J**	10 U	1 U	**0.24 J**	1 U	1 U	**1.2**	**0.25 J**	1 U
	06/18/15	**7.71 J**	**3.2**	**2.3 J**	5 U	10 U	1 U	1 U	1 U	1 U	**2.4**	**0.25 J**	1 U
	09/10/15	**7.90 J**	**3.6**	**1.3 J**	5 U	**2.2 J**	1 U	1 U	1 U	1 U	**1.0**	1 U	1 U
	12/10/15	**7.64 J**	**6.3**	**3.8 J**	**1.5 J**	**2.0 J**	1 U	1 U	1 U	1 U	**1.7**	**0.20 J**	1 U
	03/17/16	**7.91 J**	**7.7**	**1.5 J**	**1.0 J**	10 U	1 U	1 U	1 U	1 U	**1.3**	**0.17 J**	1 U
	06/23/16	**7.84 J**	**350**	**2.6 J**	**5.7**	**9.2 J**	1 U	1 U	1 U	1 U	**0.98 J**	1 U	1 U
	09/20/16	**7.60 J**	**7.0**	**2.0 J**	**0.80 J**	**10 U**	1 U	1 U	1 U	1 U	**1.7**	1 U	1 U
	11/15/21	**7.9 J**	**9.1**	**1.2 J**	5 U	10 U	1 U	1 U	1 U	1 U	**0.48 J**	1 U	1 U
MH-1B	04/16/09	NA	NA	**1.3 J**	5 U	3 U	1 U	1 U	1 U	**0.26 J**	1 U	**0.23 J**	1 U
	07/14/14	**8.06 J**	**7.6**	5 U	5 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA
	11/24/14	**7.69 J**	**5.6**	5 U	**1.1 J**	**1.6 J**	1 U	1 U	1 U	1 U	1 U	**0.20 J**	1 U
	04/01/15	**7.96 J**	**66**	**0.97 J**	**3.7 J**	50 U	1 U	**0.32 J**	1 U	1 U	1 U	**0.53 J**	1 U
	06/18/15	**8.12 J**	**0.5**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	09/10/15	**8.16 J**	**1.1**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/10/15	**7.90 J**	**1.2**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	03/17/16	**8.08 J**	**0.8**	5 U	**1.1 J**	10 U	1 U	**0.66 J**	1 U	1 U	1 U	**0.45 J**	1 U
	06/23/16	**8.13 J**	**4.0**	5 U	**0.84 J**	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	09/20/16	**8.20 J**	**1.0**	5 U	5 U	**3.9 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/16/21	**8.2 J**	**2.7**	5 U	5 U	10 U	1 U	**0.80 J**	1 U	1 U	1 U	1 U	1 U
MH-1C	04/16/09	NA	NA	5 U	5 U	3 U	1 U	1 U	1 U	**0.20 J**	1 U	1 U	1 U
	07/14/14	**8.18 J**	**8.0**	5 U	5 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA
	11/24/14	**7.82 J**	**8.0**	5 U	**0.78 J**	10 U	1 U	1 U	1 U	1 U	1 U	**0.24 J**	1 U
	04/01/15	**8.10 J**	**41**	**0.18 J**	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	06/18/15	**8.08 J**	**7.3**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	09/10/15	**8.29 J**	**1.5**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/10/15	**8.19 J**	**54**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	03/17/16	**8.25 J**	**180**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	06/23/16	**8.06 J**	**13**	**0.20 J**	**1.4 J**	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	09/20/16	**8.20 J**	**0.7**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/16/21	**8.1 J**	**4.2**	5 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MH-2A	12/18/08	NA	NA	NA	NA	NA	1 U	**30**	1 U	1 U	**0.88 J**	**42**	NA
	04/16/09	NA	NA	5 U	5 U	3 U	1 U	**20**	1 U	1 U	1 U	**49**	1 U
	07/11/14	**8.69 J**	**30**	5 U	**2.2 J**	NA	1 U	**2.3**	**0.50 JB**	1 U	1 U	**18**	NA
	11/24/14	**8.32 J**	2 U	**0.21 J**	**3.0 J**	10 U	1 U	**21**	**4.9 JB**	1 U	**0.98 J**	**120**	**1.6**
	04/01/15	**8.33 J**	**3.5**	5 U	**3.2 J**	**1.2 J**	5 U	**19**	5 U	5 U	**1.0 J**	**70**	5 U
	06/18/15	**8.36 J**	**0.5**	5 U	**1.9 J**	**1.2 J**	1 U	**11**	1 U	1 U	**1.2**	**74**	1 U
	09/10/15	**8.29 J**	**1.2**	5 U	5 U	**2.6 J**	1 U	**4.0**	1 U	1 U	**0.55 J**	**16**	1 U
	12/10/15	**7.89 J**	**2.9**	5 U	**1.5 J**	**2.2 J**	1 U	**13**	1 U	1 U	**2.7**	**25**	1 U
	03/17/16	**8.25 J**	0.5 U	5 U	**2.5 J**	10 U	5 U	**18**	5 U	5 U	5 U	**93**	5 U
	06/23/16	**8.09 J**	**1.4**	5 U	**1.7 J**	10 U	5 U	**2.6 J**	**2.1 J**	5 U	5 U	**11**	5 U
	09/20/16	**8.10 J**	**1.3**	5 U	**1.2 J**	**3.4 J**	1 U	**3.1**	1 U	1 U	1 U	**20**	1 U
	11/15/21	**8.2 J**	**1.7**	**0.38 J**	5 U	10 U	1 U	**6.2**	1 U	1 U	1 U	**81**	**0.53 J**
MH-2B	12/18/08	NA	NA	NA	NA	NA	1 U	**36**	1 U	**0.36 J**	**15**	**75**	NA
	04/16/09	NA	NA	5 U	**5.3**	**4.8**	1 U	**52**	1 U	**0.39 J**	**19**	**150**	1 U
	07/11/14	**11.7 J**	**6.4**	5 U	**5.7**	NA	2 U	**25**	**1.4 JB**	2 U	**5.7**	**41**	NA
	11/24/14	**10.4 J**	**97**	5 U	**7.1**	10 U	2 U	**27**	2 U	2 U	**7.9**	**44**	**1.6 J**
	04/01/15	**11.2 J**	**160**	**0.21 J**	**7.1**	50 U	5 U	**23**	1 U	5 U	**7.0**	**82**	**1.7 J**
	06/18/15	**11.4 J**	**36**	5 U	**5.5**	10 U	1 U	**31**	1 U	**0.16 J**	**10**	**57**	**1.1**
	09/10/15	**11.6 J**	**39**	5 U	**5.0**	**11**	2 U	**29**	1 U	2 U	**9.4**	**59**	**1.0 J**
	12/10/15	**11.6 J**	**57**	5 U	**5.2**	**8.4 J**	5 U	**33**	5 U	5 U	**8.6**	**58**	5 U
	03/17/16	**11.0 J**	**100**	5 U	**6.6**	**2.2 J**	3 U	**26**	3 U	3 U	**7.5**	**52**	**0.84 J**
	06/23/16	**11.2 J**	**260**	5 U	**7.3**	**18**	3 U	**18**	**1.3 J**	3 U	**4.7**	**28**	3 U
	09/20/16	**11.5 J**	**540**	5 U	**6.3**	**6.6 J**	1 U	**23**	1 U	1 U	**7.2**	**38**	**0.63 J**
	09/20/16 (dup)	**11.5 J**	**840**	5 U	**6.6**	**8.0 J**	1 U	**22**	1 U	1 U	**6.3**	**34**	1 U
	11/15/2021	**9.5 J**	**82**	5 U	**3.1 J**	10 U	1 U	**4.3**	1 U	1 U	**2.1**	**9.9**	**0.57 J**

Table 5

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
2008 - 2021

Manhole Designation	Date of Sampling	pH (s.u.)	Total Suspended Solids (mg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	1,2-dichlorobenzene (µg/L)	cis-1,2-dichloroethylene (µg/L)	Methylene Chloride (µg/L)	Toluene (µg/L)	Tetrachloroethylene (µg/L)	Trichloroethylene (µg/L)	Vinyl Chloride (µg/L)
MH-2C	04/16/09	NA	NA	5 U	**3.2 J**	3 U	1 U	**12**	1 U	1 U	**5.4**	**34**	1 U
	07/11/14	**9.14 J**	**310**	5 U	**6.0**	NA	2 U	**25**	**1.2 JB**	2 U	**6.6**	**46**	NA
	11/24/14	**9.17 J**	**150**	**0.34 J**	**15**	**9.5 J**	1 U	**18 J**	1 U	1 U	**6.3 J**	**30 J**	**1.4**
	04/01/15	**10.6 J**	**170**	**0.41 J**	**9.0**	**7.4 J**	1 U	**29 J**	**0.18 J**	**0.26 J**	**15**	**66 J**	**3.1**
	06/18/15	**11.5 J**	**18**	5 U	**5.3**	**1.9 J**	1 U	**32**	1 U	**0.16 J**	**12**	**55**	**1.2**
	09/10/15	**11.7 J**	**22**	5 U	**2.6 J**	**6.6 J**	1 U	**25**	1 U	1 U	**8.9**	**56**	**0.77 J**
	9/10/2015 (dup)	**11.7 J**	**20**	5 U	**2.5 J**	**6.4 J**	1 U	**25**	1 U	1 U	**8.8**	**56**	**0.76 J**
	12/10/15	**11.7 J**	**11**	5 U	**3.2 J**	**3.6 J**	3 U	**37**	3 U	3 U	**9.2**	**69**	**1.1 J**
	12/10/2015 (dup)	**11.6 J**	**6.8**	5 U	**2.7 J**	**4.6 J**	3 U	**36**	3 U	3 U	**9.5**	**68**	**1.1 J**
	03/17/16	**11.0 J**	**55**	5 U	**6.5**	10 U	1 U	**19 J**	1 U	1 U	**6.8**	**37 J**	**1.1**
	06/23/16	**11.6 J**	**18**	5 U	**4.6 J**	**4.4 J**	5 U	**23**	**1.8 J**	5 U	**5.4**	**50**	5 U
	6/23/2016 (dup)	**11.6 J**	**18**	5 U	**0.96 J**	20 U	2 U	**38**	2 U	2 U	**8.6**	**61**	**1.1 J**
	09/20/16	**11.3 J**	**27**	5 U	**4.0 J**	10 U	1 U	**21**	1 U	1 U	**8.3**	**36**	**0.63 J**
	11/15/21	**9.1 J**	**150 J**	**0.37 J**	**7.8**	**15**	1 U	**7.4**	1 U	1 U	**3.9**	**14**	**1.3**
	11/15/2021 (dup)	**9.3 J**	**440 J**	**0.44 J**	**13**	**17**	1 U	**9.6**	1 U	1 U	**4.9**	**18**	**1.7**
MH-2D	04/16/09	NA	NA	**0.52 J**	**29**	**52**	1 U	**20**	1 U	**0.15 J**	1 U	**71**	1 U
	07/11/14	**8.80 J**	**62**	5 U	**4.0 J**	NA	1 U	**2.9**	**0.51 JB**	1 U	**0.2 J**	**20**	NA
	11/24/14	**8.76 J**	**22**	5 U	**5.0**	10 U	1 U	**53**	**2.5 JB**	1 U	**1.0**	**130**	**4.9**
	04/01/15	**8.29 J**	**50**	**0.26 J**	**6.2**	**7.2 J**	1 U	**28**	1 U	1 U	**2.3**	**100**	**1.3**
	06/18/15	**7.93 J**	**1.2**	5 U	**0.88 J**	**1.3 J**	1 U	**73**	1 U	1 U	**0.87 J**	**1300**	**0.44 J**
	09/10/15	**8.14 J**	**24**	5 U	5 U	10 U	1 U	**5.7**	1 U	1 U	**0.75 J**	**24**	1 U
	12/10/15	**7.85 J**	**120**	5 U	**3.2 J**	**2.1 J**	1 U	**25**	1 U	1 U	**4.4**	**46**	**0.26 J**
	03/17/16	**8.34 J**	**1300**	**0.41 J**	**35.0**	**49**	5 U	**23**	5 U	5 U	5 U	**130**	5 U
	06/23/16	**8.13 J**	**81**	**0.080 J**	**4.0 J**	**5.6 J**	1 U	**4.4**	1 U	1 U	1 U	**19**	1 U
	09/20/16	**8.00 J**	**5.0**	5 U	**1.4 J**	**2.8 J**	1 U	**4.9**	1 U	1 U	1 U	**30**	1 U
	11/15/21	**8.6 J**	**94**	5 U	**5.9**	**4.9 J**	1 U	**11**	1 U	1 U	**0.95 J**	**60**	**1.1**
MH-3A	12/18/08	NA	NA	NA	NA	NA	2.5 U	**37**	3 U	3 U	**1.2 J**	**160**	NA
	04/16/09	NA	NA	5 U	**11.5**	3 U	12 U	**63**	12 U	12 U	12 U	**450**	12 U
	07/11/14	**9.56 J**	**2.4**	5 U	**5.6**	NA	25 U	**52**	**16 JB**	25 U	25 U	**370**	NA
	11/24/14	**8.84 J**	**25**	5 U	**4.2 J**	10 U	3 U	**30**	3 U	3 U	3 U	**110**	**0.84 J**
	04/01/15	**9.03 J**	**1.4**	**0.25 J**	**10**	50 U	10 U	**15**	10 U	10 U	10 U	**71**	10 U
	06/18/15	**8.96 J**	**33**	5 U	**5.6**	**1.7 J**	1 U	**16**	1 U	1 U	**0.91 J**	**110**	1 U
	6/18/2015 (dup)	**8.94 J**	**24**	5 U	**5.8**	**2.8 J**	1 U	**16**	1 U	1 U	**0.96 J**	**110**	**0.90 J**
	09/10/15	**9.55 J**	**19**	5 U	**2.7 J**	**4.5 J**	2 U	**16**	1 U	2 U	**2.0**	**64**	**1.6 J**
	12/10/15	**9.44 J**	**64**	5 U	**3.5 J**	**4.8 J**	5 U	**30**	5 U	5 U	**1.7 J**	**84**	**1.5 J**
	03/17/16	**8.94 J**	**330**	5 U	**13**	**6.5 J**	5 U	**20**	5 U	5 U	5 U	**77**	5 U
	06/23/16	**9.47 J**	**17**	5 U	**4.0 J**	10 U	3 U	**22**	3 U	3 U	**2.0 J**	**67**	**1.2 J**
	09/20/16	**9.1 J**	**9.1**	5 U	**4.8 J**	10 U	5 U	**20**	5 U	5 U	5 U	**51**	5 U
	11/15/21	**9.2 J**	**69**	**0.41 J**	**12**	**19**	1 U	**4.3**	1 U	1 U	**1.8**	**8.2**	**0.54 J**

Table 5

Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
2008 - 2021

Manhole Designation	Date of Sampling	pH (s.u.)	Total Suspended Solids (mg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	1,2-dichlorobenzene (µg/L)	cis-1,2-dichloroethylene (µg/L)	Methylene Chloride (µg/L)	Toluene (µg/L)	Tetrachloroethylene (µg/L)	Trichloroethylene (µg/L)	Vinyl Chloride (µg/L)
MH-3B	07/11/14	**8.88 J**	**13**	5 U	**1.4 J**	NA	1 U	1 U	**0.48 JB**	1 U	1 U	**0.95 J**	NA
	11/24/14	**8.05 J**	**150**	**0.31 J**	**13**	**43**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/24/2014 (dup)	**8.01 J**	**160**	**0.20 J**	**15**	**48**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/01/15	**8.89 J**	**7.3**	**0.21 J**	**13**	50 U	1 U	1 U	1 U	1 U	1 U	**0.54 J**	1 U
	06/18/15	**7.81 J**	**4.0**	5 U	**7.5**	**1.2 J**	1 U	1 U	1 U	1 U	1 U	**0.60 J**	1 U
	09/10/15	**7.52 J**	**150**	5 U	**4.6 J**	**3.7 J**	1 U	1 U	1 U	1 U	1 U	**1.7**	1 U
	12/10/15	**7.22 J**	**14**	5 U	**1.6 J**	**2.1 J**	1 U	1 U	1 U	1 U	1 U	**0.22 J**	1 U
	03/17/16	**8.20 J**	**11**	5 U	**5.2**	**4.7 J**	1 U	1 U	1 U	1 U	1 U	**0.21 J**	1 U
	06/23/16	**7.72 J**	**23**	5 U	**17**	10 U	5 U	5 U	**1.8 J**	5 U	5 U	5 U	5 U
	09/20/16	**7.80 J**	**76**	5 U	**4.1 J**	10 U	5 U	5 U	5 U	5 U	5 U	**1.4 J**	5 U
	11/15/21	**8.1 J**	**20**	25 U	25 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MH-3C	07/11/14	**8.67 J**	**160**	5 U	**3.1 J**	NA	1 U	1 U	**0.48 JB**	1 U	1 U	1 U	NA
	11/24/14	**7.84 J**	**260**	**0.50 J**	**21**	**25**	1 U	1 U	1 U	1 U	1 U	**1.8**	1 U
	04/01/15	**7.70 J**	**1,300 J**	**8.9 J**	**27**	**100**	1 U	1 U	1 U	**0.39 J**	1 U	**0.62 J**	1 U
	4/1/2015 (dup)	**7.57 J**	**750**	**5.4 J**	**31**	**91**	1 U	1 U	1 U	**0.63 J**	1 U	**0.62 J**	1 U
	06/18/15	**7.68 J**	**330**	5 U	**3.9 J**	**2.3 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	09/10/15	**7.62 J**	**320**	5 U	**9.0**	**9.9 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/10/15	**7.14 J**	**72**	5 U	**1.9 J**	**3.3 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	03/17/16	**8.10 J**	**170 J**	5 U	**13**	**15**	1 U	1 U	1 U	**0.18 J**	1 U	**0.18 J**	1 U
	3/17/2016 (dup)	**7.84 J**	**660 J**	**0.32 J**	**16**	**21**	1 U	1 U	1 U	**0.16 J**	1 U	**0.14 J**	1 U
	06/23/16	**7.44 J**	**240**	5 U	**14**	**9.5 J**	5 U	5 U	**3.0 J**	5 U	5 U	5 U	5 U
	09/20/16	**7.90 J**	**6.8**	5 U	**1.9 J**	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	11/15/21	**7.9 J**	**270**	**2.3 J**	**13 J**	**45 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 5

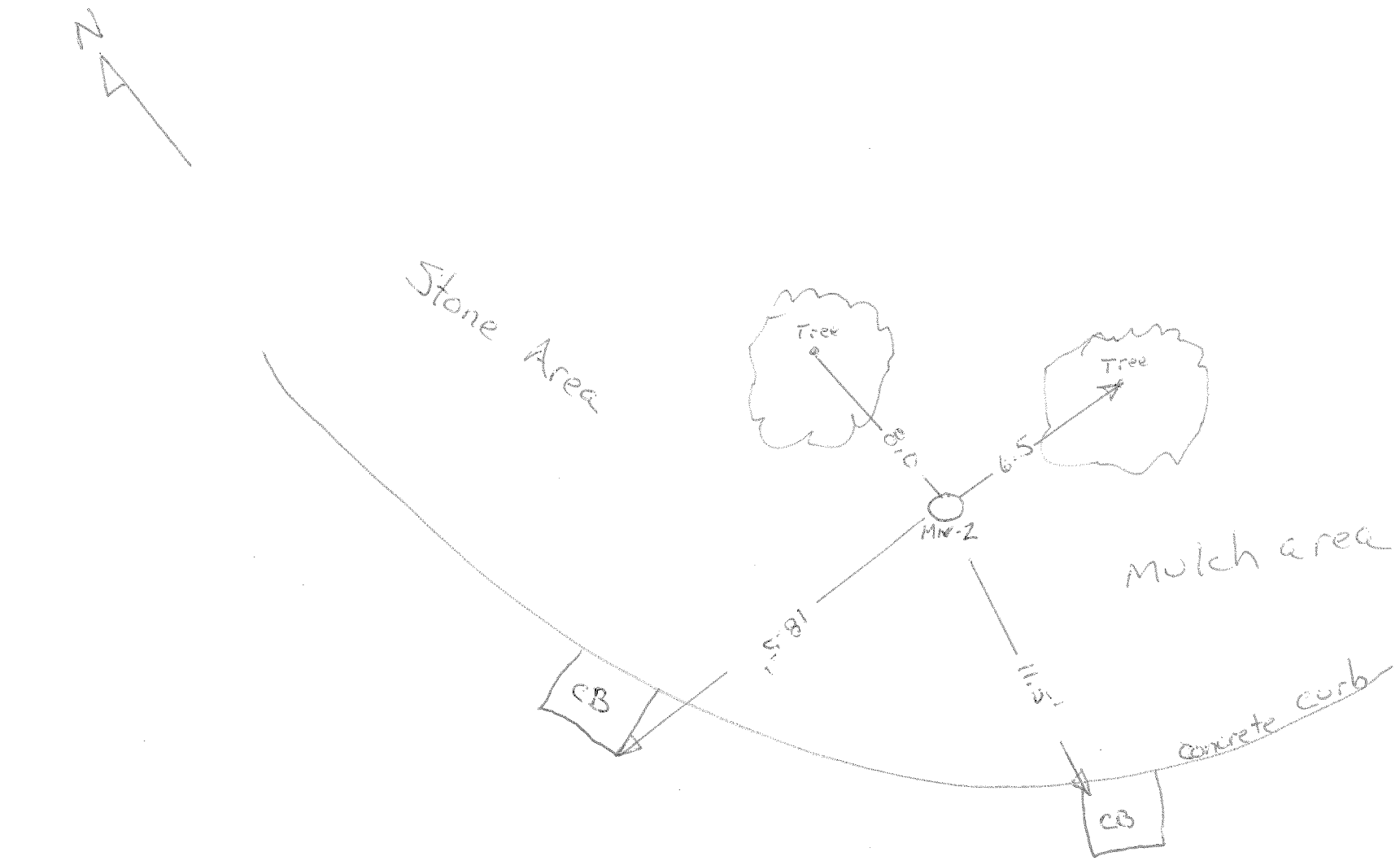
Surface Water Analytical Results Summary
Former Westinghouse Site
Cheektowaga, New York
2008 - 2021

Manhole Designation	Date of Sampling	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Acetone (µg/L)	Chloroform (µg/L)	Methyl Ethyl Ketone (µg/L)	Methyl Isobutyl Ketone (µg/L)	trans-1,2-dichloroethylene (µg/L)
MH-1A	12/18/08	NA	NA	NA	1 U	NA	1 U	**0.21 J**
	04/16/09	**1.3 J**	**3.0 J**	**6.1**	1 U	NA	1 U	**0.20 J**
MH-1A	11/24/14	1 U	1 U	**9.0**	1 U	1 U	1 U	1 U
	09/10/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U
MH-1B	11/24/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/10/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U
MH-1C	11/24/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/10/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U
MH-2A	11/24/14	1 U	1 U	5 U	**1.8**	1 U	1 U	1 U
	11/24/2014 (dup)	**0.69 J**	**0.31 J**	**2.8 J**	**0.21 J**	1 U	1 U	**0.29 J**
	09/10/15	1 U	1 U	5 U	**0.21 J**	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	**0.21 J**	1 U	1 U	1 U
MH-2B	11/24/14	1 U	1 U	**13**	**0.90 J**	1 U	1 U	1 U
	09/10/15	1 U	1 U	5 U	**1.9**	1 U	1 U	1 U
	09/20/16	1 U	1 U	**2.7 J**	**12**	1 U	1 U	1 U
	9/20/2016 (dup)	1 U	1 U	**2.7 J**	**13**	1 U	1 U	1 U
MH-2C	11/24/14	1 U	1 U	**13**	**0.48 J**	1 U	1 U	**0.17 J**
	09/10/15	1 U	1 U	1 U	**1.8**	1 U	1 U	1 U
	9/10/2015 (dup)	1 U	1 U	**3.0 J**	**1.7**	1 U	1 U	**0.27 J**
	09/20/16	1 U	1 U	5 U	**1.1**	1 U	1 U	1 U
MH-2D	11/24/14	**0.38 J**	1 U	5 U	**0.22 J**	1 U	1 U	**0.53 J**
	09/10/15	1 U	1 U	5 U	**0.29 J**	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	**0.21 J**	1 U	1 U	1 U
MH-3A	11/24/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U
	09/10/15	1 U	1 U	**5.0 J**	**0.98 J**	1 U	1 U	1 U
	09/20/16	1 U	1 U	5 U	**0.44 J**	1 U	1 U	1 U
MH-3B	11/24/14	1 U	1 U	**26**	1 U	**2.3 J**	**1.9 J**	1 U
	11/24/2014 (dup)	1 U	1 U	**25**	1 U	**2.2 J**	**1.8 J**	1 U
	09/10/15	1 U	1 U	**10**	1 U	1 U	**1.7 J**	1 U
MH-3C	11/24/14	1 U	1 U	**27**	1 U	**2.2 J**	**2.0 J**	1 U
	09/10/15	2 U	2 U	**7.4**	2 U	1 U	**1.5 J**	2 U
	09/20/16	1 U	1 U	5 U	1 U	1 U	**0.71 J**	1 U

Bold indicates a detected concentration
U - Not detected at indicated reporting limit
J - Estimated concentration
B - Constituent detected in corresponding blank sample
NA - Not available

Attachment A

Field Paperwork



Well Ties to locate MW-2

Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: NF0880 3
Date (mm/dd/yyyy): 11/16/2021
User (print name): D Tynan

Project number: 11201415-60
Project name: CBS Westinghouse GW SW Sampling
Location: Buffalo Airport Genesee Street

Additional equipment control numbers and descriptions:
10 NTU Lot # A1202 exp 11/2022
100 NTU Lot # A1205 exp 11/2022

Field procedure before use:

Do not calibrate in the field.

	Check when completed
Check kit contents;	
• Meter	☐
• STABLCAL standards (2100Q)	☐
• Low 0-10, medium 0-100, high standards (2 100P)	☐
• Extra AA batteries	☐
• Sample vials	☐
Test and record standards:	☐

Gelex (2100P)/STABLCAL (2100Q) Standard	*Meter Reading*
	9.95
	102
	816

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field file

Signature: _____

This completed form is a quality record

Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: NFQ8319
Date (mm/dd/yyyy): 11/16/2021
User (print name): S. Gardner

Project number: 11201415 - 60
Project name: CBS Westinghouse GW SW Sampling
Location: Buffalo Airport Genesee Street

Additional equipment control numbers and descriptions:
10 NTU LOT # A1202 exp 11/2022
100 NTU LOT # A1205 exp 11/2022
800 NTU LOT # A1207 exp 11/2022

Field procedure before use:

Do not calibrate in the field.

	Check when completed
Check kit contents;	
• Meter	☒
• STABLCAL standards (2100Q)	☒
• Low 0-10, medium 0-100, high standards (2 100P)	☒
• Extra AA batteries	☒
• Sample vials	☒
Test and record standards:	☒

Gelex (2100P)/STABLCAL (2100Q) Standard	*Meter Reading*
10	9.69
100	102
800	797

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field file

Signature: Daniel J. Gardner

This completed form is a quality record

Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: NF08319
Date (mm/dd/yyyy): 11/15/2021
User (print name): S Gardner

Project number: 11201415-60
Project name: CB Westinghouse GW Sampling
Location: Buffalo Airport Genesee Street

Additional equipment control numbers and descriptions:

10 NTU LOT # A1202 exp 11/2022
100 NTU LOT # A1205 exp 11/2022
800 NTU LOT # A1207 exp 11/2022

Field procedure before use:

Do not calibrate in the field.

	Check when completed
Check kit contents:	
• Meter	☑
• STABLCAL standards (2100Q)	☑
• Low 0-10, medium 0-100, high standards (2 100P)	☑
• Extra AA batteries	☑
• Sample vials	☑
Test and record standards:	☑

Gelex (2100P)/STABLCAL (2100Q) Standard	*Meter Reading*
10	9.82
100	105
800	798

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field file

Signature: Dave Tynan

This completed form is a quality record

Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: NF08803
Date (mm/dd/yyyy): 11/15/2021
User (print name): D Tyrsn

Project number: 11201415-60
Project name: CBS Westinghouse GW Sampling
Location: Buffalo Airport Genesee Street

Additional equipment control numbers and descriptions:
10 NTU LOT # A1202 expires 11/2022
100 NTU LOT # A1205 expires 11/2022
800 NTU LOT # A1207 expires 11/2022

Field procedure before use:

Do not calibrate in the field.

	Check when completed
Check kit contents;	
• Meter	☑
• STABLCAL standards (2100Q)	☑
• Low 0-10, medium 0-100, high standards (2 100P)	☑
• Extra AA batteries	☑
• Sample vials	☑
Test and record standards:	☑

Gelex (2100P)/STABLCAL (2100Q) Standard	*Meter Reading*
10	9.98
100	101
800	816

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field file

Signature: Dave J Tyrsn

This completed form is a quality record

CBS Westinghouse

DAILY LOG

11/15/21 Calibrate Horiba U-52 meter Control# NF0848 with auto-cal solution LOT # Z1300202 expires 9/15/2022

	Before	After
DO mg/L	12.46	10.48
pH 4.00	4.33	4.01
Cond 4.49	4.64	4.48
Turb 0.0	23	0.0

0823 on-site 35°-41°F, cloudy on & off snow showers. Winds W 13mph

Contacted Brian from the NFTA to get police for traffic control. Problem with police - claimed they were not notified. Brian will grab a maintenance truck and perform traffic control on well MW-31

TripBlank = TB-11201415-111521-DT for GW Samples

0938 Set up on MW-31 purge & Sample low flow

Tripblank for SW Samples = TB-11201415-111521-SG

1138 Set up on MW-32 purge & Sample low flow

1305 Set up by Toll booths to grab SW locations 2 & 3

1620 Set up @ 4499 Genesee street to grab SW location 1A.

Pack up samples

1705 off-site

11201415-60

Dave Tyran

CBS Westinghouse

DAILY LOG

11/15/21 Calibrate YSI Pro-series with auto-cal
Solution lot # 21150206 expires 6/21/2022 control # NF07602

	Before	After
(Bar 771.4) DO%	110.4	101.5
pH 4.00	4.08	4.00
Cond 4.49	4.33	4.49

0830 ONSITE SG WEATHER - CLOUDY RAIN, SNOW MIX 35-42° F WINDS W 10-15MPH
0840 SET UP ON MW-5 PURGE & SAMPLE METHOD - LOW FLOW USING MASTERFLEX PERISTALTIC W/ DEDICATED TUBING TO WELL
1010 SET UP ON MW-28 PURGE AND SAMPLE TUBING WAS TAKEN OUT OF WELL, INSTALLED NEW ¼" SILICONE TUBING IN WELL 25'
1133 SET UP ON WELL MW-2 PURGE AND SAMPLE

DJT

1120415-60

David J Tynan

CBS Westinghouse

DAILY LOG

11/16/21 Calibrate Horiba U-52 meter control # NFOE848 with auto-cal solution Lot # 21300202 expires 9/15/2022

	Before	After
DO mg/L	10.41	10.28
pH 4.00	4.02	4.01
Cond 4.49	4.33	4.49

0720 on-site @ 251 Cayuga to wait for escort into the secure area.
Mostly cloudy 38-44°F winds W 14 mph.
0800 meet with Dave Berghold & the airport env. person to show the well locations in the secure area
0830 Setup on MW-35 purge & sample low flow
0930 setup on MW-30 purge & Sample low flow
1100 Locate CB's 1B, 1C sample Both.
1200 Done with escorts
Setup on MW-33 Purge & Sample low flow
1300 off-site

DSF

1120141S-60

Dave Stryan

CBS Westinghouse

DAILY LOG

11/16/21 Calibrate YSI Pro-series meter control # NF07602 with auto-cal solution Lot # 21300202 expires 9/15/2022

	Before	After
(Bar 776.2) DO%	110.5	101.7
pH 4.00	3.95	4.00
Cond 4.49	4.60	4.49

0711 ONSITE SG WEATHER - CLOUDY 37°F WINDS W 10-15MPH WAITING FOR ESCORT TO GET ONTO TARMAC, SHUT RUNWAY DOWN

0834 SET UP ON MW-34D PURGE AND SAMPLE (MS/MSD)

ADDED NEW 1/4" TEFLON TUBING TO WELL 40'

0947 SET UP ON WELL MW-34 PURGE AND SAMPLE

ADDED 1/4" TEFLON TUBING TO WELL 35'

1050 BEGIN STORM SEWER SAMPLING ON LAST TWO LOCATIONS 1B, 1C

1136 SET UP ON MW-33 PURGE AND SAMPLE

1259 SAMPLING COMPLETE OFFSITE (DST)

1120141S-60

Dave Sturm

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

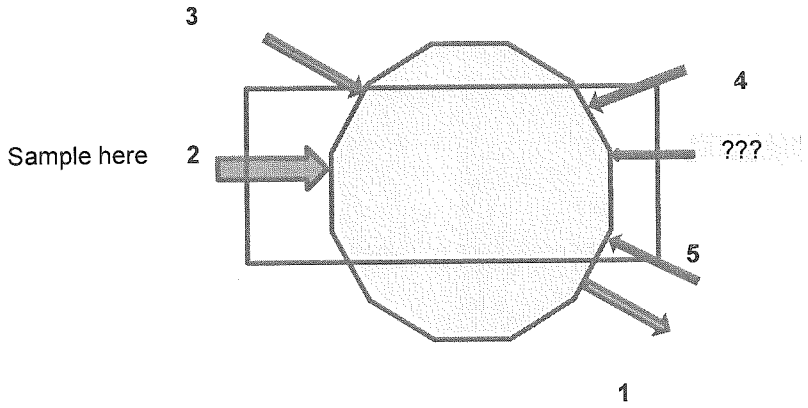
Manhole/Catchbasin ID: 3A

CAUTION: on edge of roadway - traffic control needed (cones or spotter)

Date: 11/15/2021		Job #: 11201415-60	
Crew: DJT/SG		Rim Elevation:	
Weather: CLOUDY 39°F		Water Present?: (Yes)	No
Depth to Water 3.52	Ft. BTOR	Flow observed?: (Yes)	No
Manhole depth:	8.9 Ft. BTOR	Sediment present?: (Yes)	No

Measure depths from top of frame.

Note: Rectangular catchbasin grate over circular chamber



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	6.7	42 inch	southeast	round	PVC		
2	Inlet	6.6	42 inch	west	round	PVC	YES	Sample this flow
3	Inlet		4 inch	northwest	round	plastic	NO	corrugated underdrain
4	Inlet		4 inch	northeast	round	plastic	NO	corrugated underdrain
5	Inlet		4 inch	southeast	round	plastic	NO	corrugated underdrain
???	Inlet		4 inch	east ???			YES	corrugated underdrain

SAMPLE RECORD

Date: 11/15/2021
Time: 1330
Crew: DJT/SG
Method: BAILER
Sample ID: SW-11201415-111521-SG-001
pH: 9.31
Conductivity:
Temperature:
Turbidity: CLEAR, LT YELLOW TINT

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water

Water Lever Meter No.: NFO8844
Multimeter No.: NFO7L02

Flow method: Bucket and stopwatch

WS
SS

Comments:

Signature:

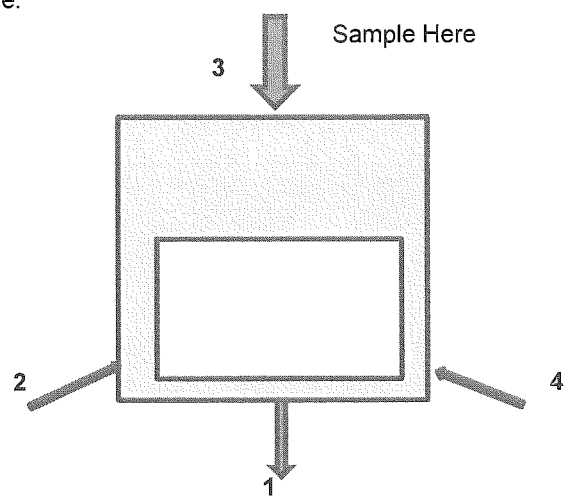
MS/MSD ON VOCS, METALS ONLY

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA
CAUTION: on edge of roadway - traffic control needed (cones or spotter)
Manhole/Catchbasin ID: 3B

Date: 11/15/2021		Job #: 1120415-60	
Crew: DJT/SG		Rim Elevation:	
Weather: BREAKS OF SUN 39°F		Water Present?: (Yes)	No
Depth to Water 4.73 Ft. BTOR		Flow observed?: (Yes)	No
Manhole depth: 5.5 Ft. BTOR		Sediment present?: (Yes)	No

Measure depths from top of frame.

Rectangular catch basin over rectangular chamber



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	4.7	24	South	round	PVC	YES	
2	Inlet	2.5	6	West	round	plastic	NO	Underdrain
3	Inlet	4.25	24	North	round	PVC	YES	Sample Here
4	Inlet	2.5	6	East	round	plastic	NO	Underdrain
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021	Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Time: 1400	Analysis: VOC/Metals/pH&TSS
Crew: DJT/SG	Chain of Custody #: 600335
Method: BAILER	Sample Type: water
WS EST Sample ID: ~~SW~~-1120415-111521-SG-002	
pH: 8.06	Water Lever Meter No.: NFO8844
Conductivity:	Multimeter No.: NFO7602
Temperature:	
Turbidity: CLEAR, COLORLESS	Flow method: Mannings - distance over time

Comments: * MS/MSD ON VOCS, METALS ONLY

Signature: Dave J Tyson

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 3C

CAUTION: on edge of exit roadway - traffic control needed (cones or spotter)

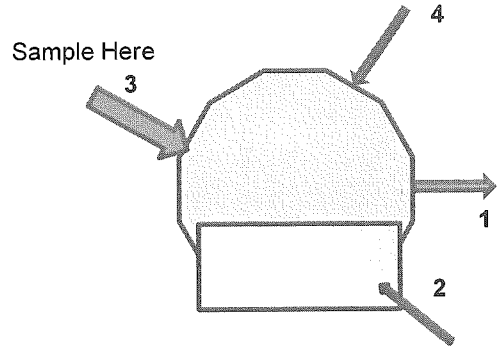
Date:	11/15/2021		Job #:	1120415-60	
Crew:	DJT/SG		Rim Elevation:		
Weather:	SUN W/ SNOW FLURRIES 39F		Water Present?:	(Yes)	No
Water depth:	5.82	Ft. BTOR	Flow observed?:	Yes	(No)
Manhole depth:	6.55	Ft. BTOR	Sediment present?:	(Yes)	No

Measure depths from top of frame.

Catch Basin

Catch Basin

Rectangular catch basin over circular chamber



Number on Figure	Inlet/Outlet	Depth	Diameter	Direction	Shape	Material	Flow noted	Comments
1	Outlet	5.83	24	east	round	PVC	NO	
2	Inlet	2.5	6	southeast	round	plastic	NO	Underdrain
3	Inlet	5.83	24	west	round	PVC	NO	Sample Here
4	Inlet	???	12	northeast			NO	not visible from surface
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021
Time: 1425
Crew: DJT/SG
Method: BAILER
WS SSI Sample ID: ~~SW~~-1120415-111521-SG-003
pH: 8.26
Conductivity:
Temperature:
Turbidity: CLOUDY LT GRAY

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water

Water Lever Meter No.: NF08844
Multimeter No.: NF07602

Flow method: Mannings - distance over time

Comments:

Signature: David J Tyson

BUFFALO AIRPORT SITE
STORMWATER SEWER SAMPLING FIELD DATA SHEETS

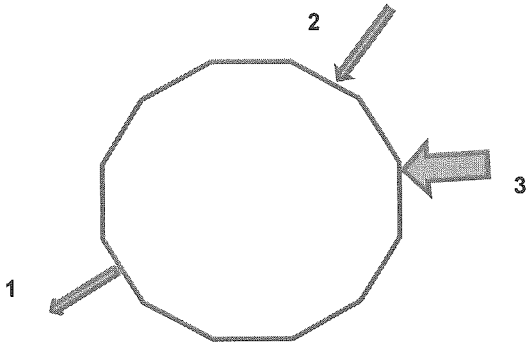
BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 2A

Manhole in grass closest to overhead Sign over airport access road

Date:	11/15/2021	Job #:	1120141S-6D	
Crew:	DJT/SG	Rim Elevation:		
Weather:	CLOUDY SNOW 39°F	Water Present?:	Yes	No
Depth to Water	8.18 Ft. BTOR	Flow observed?:	Yes	No
Manhole depth:	9.5 Ft. BTOR	Sediment present?:	Yes	No

Measure depths from top of frame.
Round cover over round chamber



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	9.2	42 inch	southwest	round	concrete	YES	
2	Inlet	7.5	24 inch	northeast	round	PVC	YES	
3	Inlet	5.5	24 inch	east	round	PVC	YES	Sample this flow
4	Inlet							
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021
Time: 1445
Crew: DJT/SG
Method: BOTTLE ON POLE
Sample ID: ~~SW~~-1120141S-111521-SG-004
pH: 8.53
Conductivity:
Temperature:
Turbidity: CLEAR, COLORLESS

W's DST

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water
Water Lever Meter No.: NF08844
Multimeter No.: NF07602

Flow method: Bucket and stopwatch

Comments:

Signature: Dave J Tyson

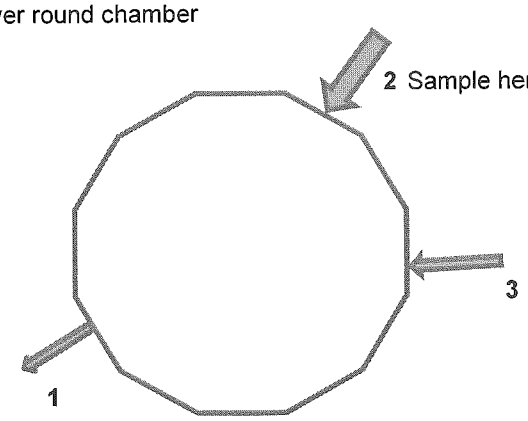
BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 2B

Manhole in grass closest to overhead Sign over airport access road

Date: 11/15/2021		Job #: 11		
Crew: DJT/SG		Rim Elevation:		
Weather: CLOUDY, SNOW 39°F		Water Present?:	(Yes)	No
Depth to Water 8.18	Ft. BTOR	Flow observed?:	(Yes)	No
Manhole depth:	9.5 Ft. BTOR	Sediment present?:	(Yes)	No

Measure depths from top of frame.
Round cover over round chamber



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	9.2	42 inch	southwest	round	concrete	YES	
2	Inlet	7.5	24 inch	northeast	round	PVC	YES	Sample this flow
3	Inlet	5.5	24 inch	east	round	PVC	YES	
4	Inlet							
5	Inlet							
6	Inlet							

SAMPLE RECORD

WS DJT

Date: 11/15/2021
Time: 1500
Crew: DJT/SG
Method: JAR ON POLE INSIDE PIPE
Sample ID: ~~SW~~-112041S-111521-SG-005
pH: 10.52
Conductivity:
Temperature:
Turbidity: CLEAR, COLORLESS

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water
Water Lever Meter No.: NF08844
Multimeter No.: NF07002

Flow method: Bucket and stopwatch

Comments:

Signature: David J Tyson

DUP
—
ALL PARAMETERS

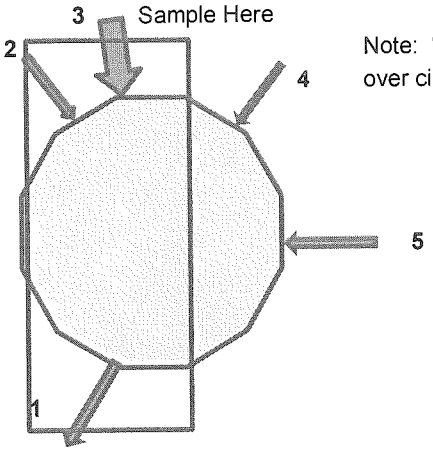
BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 2C

CAUTION: on edge of roadway - traffic control needed (cones or spotter)

Date: 11/15/2021		Job #: 1120141S-60	
Crew: DJT/SG		Rim Elevation:	
Weather: CLOUDY 39°F		Water Present?: (Yes)	No
Depth to Water 5.13	Ft. BTOR	Flow observed?: (Yes)	No
Manhole depth: 5.85	Ft. BTOR	Sediment present?: (Yes)	No
Measure depths 0			

Indicate inlets and outlet using arrows. Number clockwise from outlet.



Note: Rectangular catchbasin grate over circular chamber

Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	5.4	42 inch	South	round	PVC	YES	
2	Inlet	2.5	4 inch	Northwest	round	plastic	NO	corrugated underdrain
3	Inlet	5.6	24 inch	North	round	PVC	YES	Sample this flow
4	Inlet	2.5	4 inch	Northeast	round	plastic	NO	corrugated underdrain
5	Inlet		18 inch	east			YES	not visible from surface
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021
Time: 1530
Crew: DJT/SG
Method: BAILER
Sample ID: ~~SW~~-1120141S-111521-SG-0010 (WS DJT)
pH: 9.94
Conductivity:
Temperature:
Turbidity: SL CLOUDY LT GRAY

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 600335
Sample Type: water
Water Lever Meter No.: NF08844
Multimeter No.: NF07L02
Flow method: Mannings - distance over time

* Comments: BLIND DUPLICATE ~~SW~~ 1120141S-111521-SG-007 TIME 1530
WS DJT

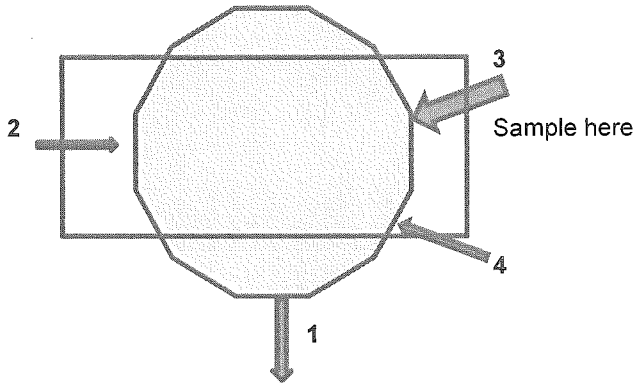
Signature: Dave J Tyson

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 2D

Date: 11/15/2021		Job #: 1120415-600		
Crew: DJT/SG		Rim Elevation:		
Weather: CLOUDY 39°F		Water Present?:	(Yes)	No
Depth to Water 4.03	Ft. BTOR	Flow observed?:	(Yes)	No
Manhole depth: 5.1	Ft. BTOR	Sediment present?:	(Yes)	No

Measure depths from top of frame.
Note: Rectangular catchbasin grate over circular chamber
Note - north side of CB grate is about 0.1 foot higher in elevation than the south side



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	4.3	18 inch	South	round	PVC	YES	
2	Inlet	3.0	4 inch	West	round	plastic	YES	corrugated underdrain
3	Inlet	4.4	18 inch	East	round	PVC	YES	Sample this flow
4	Inlet	3.0	4 inch	Southeast	round	plastic	YES	corrugated underdrain
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021	Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Time: 1600	Analysis: VOC/Metals/pH&TSS
Crew: DJT/SG	Chain of Custody #: 60335
Method: BAILER	Sample Type: water
Sample ID: ~~SW~~-1120415-111521-SG-608	
pH: 8.92	Water Lever Meter No.: NFO 8844
Conductivity:	Multimeter No.: NFO7602
Temperature:	
Turbidity: SL CLOUDY LT GRAY	Flow method: Mannings - distance over time

WLS (DJT)

Comments:

11/25/2014

Signature: Dave J Tyler

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA SHEET

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

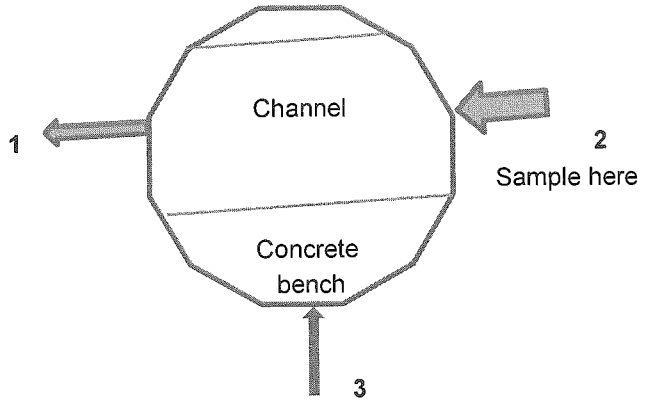
Manhole/Catchbasin ID: 1A

In sidewalk south side of Genesee Street near 4499 Genesee.

Date: 11/15/2021		Job #: 11201415-60	
Crew: DJT/SG		Rim Elevation:	
Weather: Cloudy 39°F		Water Present?:	(Yes) No
Depth to Water 12.98	Ft. BTOR	Flow observed?:	(Yes) No
Manhole depth: 13.0	Ft. BTOR	Sediment present?:	Yes (No)

Measure depths from top of frame.

On sidewalk south side of Genesee Street



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	13.25	42 inch	South	Round		YES	
2	Inlet	13.0	42 inch	North	Round		YES	Sample this flow
3	Inlet	9.0	24 inch	East	Round		YES	
4	Inlet							
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/15/2021
Time: 1635
Crew: DJT/SG
Method: JARON POLE INSIDE PIPE
Sample ID: ~~SW~~-11201415-111521-SG-009
pH: 8.11
Conductivity:
Temperature:
Turbidity: CLEAR, COLORLESS

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water
Water Lever Meter No.: NFO8844
Multimeter No.: NFO7602

Flow method: Mannings - distance over time

WS DJT

Comments:

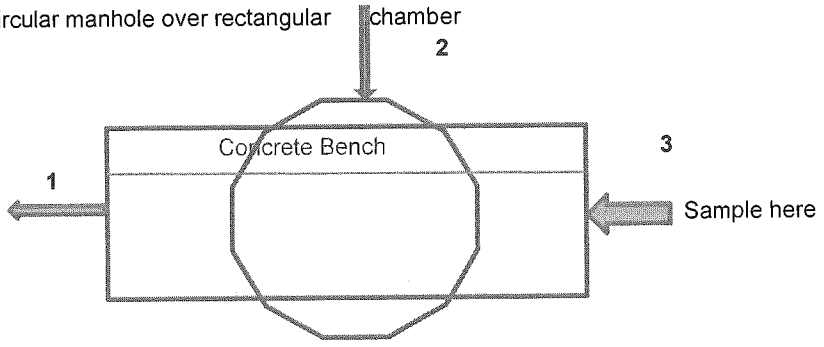
Signature: David J Tyson

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 1B

Date: 11/16/2021		Job #: 1120415-60	
Crew: DJT/SG		Rim Elevation:	
Weather: SUN/CLOUDS 40°F		Water Present?:	(Yes) No
Depth to Water 7.10	Ft. BTOR	Flow observed?:	(Yes) No
Manhole depth: 6.8	Ft. BTOR	Sediment present?:	Yes (No)

Measure depths from top of frame.
Indicate inlets and outlet using arrows. Number clockwise from outlet.
Note: Circular manhole over rectangular chamber



Number on Figure	Inlet/Outlet	Invert Depth (Ft. BTOR)	Diameter (Inches)	Direction	Shape	Material	Flow noted	Comments
1	Outlet	7.0	42 inch	West	Round	Plastic	YES	
2	Inlet	5.25	18 inch	North	Round	PVC	NO	
3	Inlet	6.7	42 inch	East	Round	Plastic	YES	Sample this flow
4	Inlet							
5	Inlet							
6	Inlet							

SAMPLE RECORD

Date: 11/16/2021
Time: 1115
Crew: DJT/SG
Method: ~~BOTTLE ON POLE~~ (SG) BAILER
Sample ID: WS-1120415-111621-SG-010
pH: 8.37
Conductivity:
Temperature:
Turbidity: CLEAR, COLORLESS

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water
Water Lever Meter No.: NF08814
Multimeter No.: NF07602
Flow method: Mannings - distance over time

Comments:

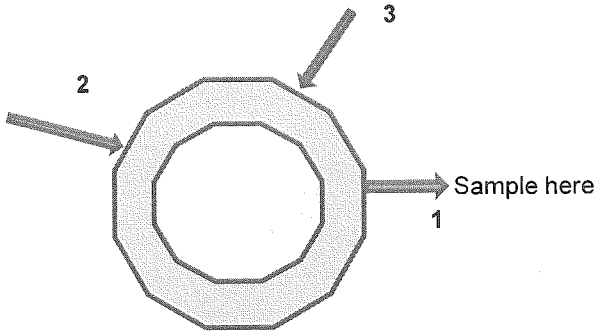
Signature: Dave J Tyson

BUFFALO AIRPORT
STORM SEWER SAMPLING DATA

Manhole/Catchbasin ID: 1C
Edge of Rip Rap to West of blast fence

Date: 11/16/2021		Job #: 1120415-L00	
Crew: DJT/SG		Rim Elevation:	
Weather: SUN/CLOUDS 40°F		Water Present?: (Yes)	No
Depth to Water	Ft. BTOR	Flow observed?: (Yes)	No
Manhole depth:	8.45 Ft. BTOR	Sediment present?: (Yes)	No

Measure depths from top of frame.
Round catch basin over round manhole



Number on Figure	Inlet/Outlet	Depth	Diameter	Direction	Shape	Material	Flow noted	Comments
2	Outlet	7.9	36	east	Round	PVC	YES	Sample this flow
3	Inlet	8.33	36	west	Round	PVC	NO	
4	Inlet		12	northeast				not visible from surfac
5	Inlet							
6	Inlet							
	Inlet							

SAMPLE RECORD

Date: 11/16/2021
Time: 1140
Crew: DJT/SG
Method: BAILER MANHOLE LIFT
Sample ID: WS-1120415-111621-SG-01
pH: 8.41
Conductivity:
Temperature:
Turbidity: CLEAR, COCOA

Volume: 3x40ml/1x500ml/1x250 ml/1x1L
Analysis: VOC/Metals/pH&TSS
Chain of Custody #: 60335
Sample Type: water

Water Lever Meter No.: NF08844
Multimeter No.: NF07602

Flow method: Mannings - distance over time

Comments:

Signature:

CHAIN OF CUSTODY RECORD

COC NO.: 60335

PAGE 1 OF 1

Address: 2558 Niagara Falls Blvd NF NY

Phone: 716 297 1690 Fax:

Project No/ Phase/Task Code:	Laboratory Name:	Lab Location:	SSOW ID:
11201415.60	Eurofins Test America	Pittsburgh	
Project Name:	**Lab Contact:**		**Cooler No:**
CSS Warehouse SW Sampling	Gail Colussy		
Project Location:	**Carrier:**		
Buffalo 4 Port Grace Street	FED EX		
GHD Chemistry Contact:	**Airbill No:**		
Lori Nichols			
Sampler(s):	**Total # of Containers:**		
Ryan Gardner	76		

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd//yy)	TIME (hh:mm)	SAMPLE TYPE: Matrix Code (see back of COC)	SAMPLE TYPE: Grab (G) or Comp (C)	SAMPLE TYPE: Filtered (Y/N)	ANALYSIS REQUESTED (See Back of COC for Definitions): SW 8260	SW 8082A PCB	SW 6010C TAL	SW 7471B Hg									Total Containers/sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)						U	U	U	U											
1	TB 1120415 111521 SG	11/15/21		TB	G	N	X												2		
2	WS 1120415 111521 SG 001	11/15/21	1330	WS	G	N	X	X	X	X									6		
3	WS 1120415 111521 SG 002	11/15/21	1340	WS	G	N	X	X	X	X									14	X	3 for MS and 3 for MSD only
4	WS 1120415 111521 SG 003	11/15/21	1425	WS	G	N	X	X	X	X									6		
5	WS 1120415 111521 SG 004	11/15/21	1445	WS	G	N	X	X	X	X									6		
6	WS 1120415 111521 SG 005	11/15/21	1520	WS	G	N	X	X	X	X									6		
7	WS 1120415 111521 SG 006	11/15/21	1530	WS	G	N	X	X	X	X									6		
8	WS 1120415 111521 SG 007	11/15/21	1530	WS	G	N	X	X	X	X									6		
9	WS 1120415 111521 SG 008	11/15/21	1600	WS	G	N	X	X	X	X									6		
10	WS 1120415 111521 SG 009	11/15/21	1630	WS	G	N	X	X	X	X									6		
11	WS 1120415 111621 SG 010	11/16/21	1115	WS	G	N	X	X	X	X									6		
12	WS 1120415 111621 SG 011	11/16/21	1140	WS	G	N	X	X	X	X									6		

TAT Required in business days (use separate COCs for different TATs):

☐ ☐1 Day ☑2 Days ☐3 Days ☐1 Week ☑2 Week Other

Notes/ Special Requirements:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1. Ryan Gardner	GHD	11/16/21	1423	1.			
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS Westinghouse
Ref. No.: 112014150060
Date: 11/15/21
Personnel: D. Tyran

Monitoring Well Data:

Well No.: MW-31
Measurement Point: Top of Well Riser
Constructed Well Depth (ft): 23.5
Measured Well Depth (ft):
Well Diameter, D (inches): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 2.76
General Well Condition: Good (RB full of mud)

Sampling Data

Sample No.: WG-112014150-111521-DT-001
Sample Time: 1050
MS/MSD or Dup
Chain of Custody No.: 60334
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
Start Purge	1003										
1012	42	3.87	1.11	11.70	2.59	17.8	7.61	-187	6.04		
1017		4.21	1.45	11.47	1.85	16.9	7.65	-193	5.01		
1022	54			11.82	1.57	15.9	7.56	-185	3.72		
1027		4.92	2.16	11.54	1.48	15.1	7.62	-182	6.21		
1032	66			11.92	1.29	14.4	7.72	-186	7.03		
1037		5.90	3.14	11.86	1.45	13.4	7.79	-178	3.27		
1042	60			11.84	1.25	13.1	7.75	-178	3.53		
1047				11.80	1.19	12.8	7.75	-176	3.41		

Comments: Start Purge @ 1003

Instrument Control Numbers

Water Level Meter 08844
Multi-parameter meter 08848
Turbidimeter 08803
Signature D. Tyran

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, Vs=π*(r")*L* (2.54)", where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

DUP

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 1120415-60
Date: 11/15/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-5
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 2.35
General Well Condition: GOOD

Sampling Data

Sample No.: WG-1120415-111521-SG-002
Sample Time: 0925
MS/MSD or Dup DUP-WG-1120415-111521-SG-004 TIME 0925
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	0854		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
0905	70	3.20	0.85	10.7	3.10	4.10	7.71	156.0	8.01		
0910	80	3.68	1.33	10.9	3.10	4.10	7.79	144.7	6.04		
0915		4.03	1.68	10.7	3.20	4.15	7.80	136.3	5.18		
0920	80	4.17	1.82	10.6	3.22	4.10	7.82	133.7	4.85		

Comments:

Instrument Control Numbers

Water Level Meter NFOL0118
Multi-parameter meter NFO7L002
Turbidimeter NFO8319
Signature Shawn Gardner

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs. START PURGE @ 0854

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS Westinghouse
Ref. No.: 112014I5-60
Date: 11/15/21
Personnel: D. Tyran

Monitoring Well Data:

Well No.: MW-32
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 1.26
General Well Condition: Good

Sampling Data

Sample No.: WG-112014I5-111521-DT-003
Sample Time: 1235
MS/MSD or Dup
Chain of Custody No.: 60334
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	1203		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1214	92	2.51	1.25	12.73	2.62	6.12	7.23	-72	3.30		
1219		2.71	1.45	12.35	1.53	6.04	7.22	-104	6.93		
1224	108			12.18	1.31	6.00	7.22	-104	5.66		
1229		2.82	1.56	12.04	1.27	5.99	7.21	-102	7.59		
1234					1.29	5.99	7.23	-98	6.48		

Comments:

Instrument Control Numbers

Water Level Meter 08844
Multi-parameter meter 08848
Turbidimeter 08803
Signature

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r")*L*(2.54)^{"}$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS Westinghouse
Ref. No.: 112014l5.68
Date: 11/16/21
Personnel: D. Tyran

Monitoring Well Data:

Well No.: MW-35
Measurement Point: Top of Well Riser
Constructed Well Depth (ft): 30.3
Measured Well Depth (ft):
Well Diameter, D (inches): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 11.08
General Well Condition: Good

Sampling Data

Sample No.: WG-112014l5-111621-DT-005
Sample Time: 0915
MS/MSD or Dup
Chain of Custody No.: 60334
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	0830		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
0839	86	12.00	0.92	16.68	2.44	0.227	7.01	-98	7.06		
0844		12.49	1.41	15.16	2.60	0.230	7.18	-101	5.91		
0849	74			14.19	2.87	0.253	7.20	-81	5.65		
0854		13.37	2.29	13.71	2.99	0.262	7.20	-74	4.22		
0859	88			13.25	3.36	0.268	7.22	-68	4.54		
0904		14.36	3.28	12.85	3.81	0.276	7.24	-56	4.19		
0909	88			12.50	3.89	0.282	7.26	-52	4.58		

Comments:

Instrument Control Numbers

Water Level Meter: 08844
Multi-parameter meter: 08848
Turbidimeter: 08803
Signature: D. Tyran

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r^{\wedge})*L*(2.54)^{\vee}$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 1120415-00
Date: 11/15/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-28
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 5.74
General Well Condition: Good

Sampling Data

Sample No.: WG-1120415-111521-SG-0000
Sample Time: 1115
MS/MSD or Dup
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	1037		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1043	88	6.08	0.34	12.7	0.75	10.89	7.58	-7.5	2.50		
1048	88	6.25	0.51	12.4	1.06	10.90	7.50	-22.8	1.45		
1053		6.40	0.66	12.3	0.94	10.91	7.48	-33.1	1.40		
1058	86	6.49	0.75	11.9	0.99	10.92	7.48	-40.1	1.03		
1103		6.57	0.83	11.8	1.02	10.94	7.48	-47.0	2.01		
1108	86	6.68	0.94	11.7	1.05	10.88	7.48	-54.1	1.97		

Comments:

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, Vs=π*(r")*L* (2.54)", where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

Instrument Control Numbers

Water Level Meter: NFO0118
Multi-parameter meter: NFO7602
Turbidimeter: NFO8319
Signature: Shannon Gardner

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS Westinghouse — Date: 11/16/21

Ref. No.: 1120141S-60 — Personnel: D Tyran

Monitoring Well Data:

Well No.: MW-30 — Well Diameter, D (inches): 2

Measurement Point: Top of Well Riser — Well Screen Volume, V_s (L)[2]:

Constructed Well Depth (ft): 23.45 — Initial Depth to Water (ft): 3.69

Measured Well Depth (ft): — General Well Condition:

Sampling Data

Sample No.: WG-1120141S-111621-DT-007 — Chain of Custody No.: 60334

Sample Time: 1045 — Parameters: VOCs Metals

MS/MSD or Dup

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	0951		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1003	124			13.93	3.64	0.934	7.34	-1	7.58		
1008		5.19	1.50	14.08	2.66	0.926	7.34	11	6.28		
1013				13.92	10.25	0.911	7.31	18	5.10		
1018	148	6.41	2.72	14.05	9.96	0.921	7.27	28	7.49		
1023		7.28	3.59	14.30	8.74	0.920	7.25	33	8.24		
1028	72			13.72	7.89	0.908	7.35	36	7.59		
1033		8.33	4.64	13.55	7.71	0.909	7.37	41	8.39		
1038				13.25	7.69	0.905	7.40	40	7.91		

Comments:

Instrument Control Numbers

Water Level Meter 08844

Multi-parameter meter 08848

Turbidimeter 08803

Signature Dave J Tyran

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches.

(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 1120415-60
Date: 11/15/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-2
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 7.05
General Well Condition: GOOD

Sampling Data

Sample No.: WG-1120415-111521-SG-008
Sample Time: 1230
MS/MSD or Dup
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	1148		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1153	100	7.71	0.66	12.7	1.77	14.68	6.97	-10.9	1.45		
1158	100	8.16	1.11	12.4	0.63	14.60	6.99	-16.1	2.02		
1203		8.62	1.57	12.6	0.47	14.62	6.99	-15.2	1.79		
1208	97	9.17	2.12	12.7	0.38	14.55	6.99	-11.1	1.93		
1213		9.68	2.63	12.8	0.35	14.50	6.99	-8.7	2.17		
1218		10.09	3.04	12.8	0.33	14.47	6.99	-10.5	2.26		
1223	96	10.57	3.52	12.9	0.31	14.45	6.99	-12.2	2.57		

Comments:

Instrument Control Numbers

Water Level Meter: NF06118
Multi-parameter meter: NF07602
Turbidimeter: NF08319
Signature: Shawn Gardner

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r^2)*L*(2.54)^2$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 1120415-LO
Date: 11/16/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-33
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 4.81
General Well Condition: GOOD

Sampling Data

Sample No.: WG-1120415-111621-SG-0001
Sample Time: 1250
MS/MSD or Dup
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	1202		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1210	84	5.54	0.73	13.1	1.02	1.96	7.92	143.2	11.5		
1215	84	6.00	1.19	13.3	0.60	2.02	7.90	139.4	12.4		
1220		6.45	1.64	13.6	0.41	2.03	7.89	136.4	4.55		
1225	80	6.97	2.16	13.5	0.33	2.04	7.89	134.1	4.87		
1230		7.44	2.63	13.6	0.29	2.03	7.89	132.9	1.78		
1235		8.18	3.37	13.8	0.22	2.04	7.87	131.6	1.04		
1240	80	8.76	3.95	13.9	0.22	2.03	7.89	131.4	1.66		
1245		9.39	4.58	13.9	0.21	2.04	7.89	131.3	1.79		

Comments:

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r")*L*(2.54)^3$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

Instrument Control Numbers

Water Level Meter: NFO6118
Multi-parameter meter: NFO7602
Turbidimeter: NFO8319
Signature: Shawn Gardner

MS/MSD

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 112014I5-L0O
Date: 11/16/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-34D
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 4"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 0.28
General Well Condition: Good

Sampling Data

Sample No.: MW-34D
Sample Time: WG-112014I5-111621-SG-010 0925
MS/MSD or Dup
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge 0852			Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
0855	100	0.42	0.14	11.1	0.78	0.524	7.62	193.0	135		
0900		0.51	0.23	10.7	0.64	0.514	8.13	174.8	123		
0905	100	0.64	0.36	10.8	0.44	0.510	8.30	164.3	96.0		
0910		0.76	0.48	10.9	0.41	0.510	8.30	159.3	84.4		
0915	100	0.96	0.68	11.1	0.37	0.511	8.37	147.5	76.7		
0920		1.12	0.84	10.9	0.40	0.508	8.39	145.9	76.8		

Comments:

Instrument Control Numbers

Water Level Meter NF06118
Multi-parameter meter NF07602
Turbidimeter NF08319
Signature Shawn Gardner

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r^{-})*L*(2.54)'$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: CBS WESTINGHOUSE
Ref. No.: 112014LS-100
Date: 11/10/2021
Personnel: S GARDNER

Monitoring Well Data:

Well No.: MW-34
Measurement Point: Top of Well Riser
Constructed Well Depth (ft):
Measured Well Depth (ft):
Well Diameter, D (inches): 2"
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 2.40
General Well Condition: GOOD

Sampling Data

Sample No.: WG-112014LS-111021-SG-01
Sample Time: 1030
MS/MSD or Dup
Chain of Custody No.:
Parameters: VOCs Metals

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity NTU	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Start Purge	0952		Precision Required:	±3 %	±10 %	±3 %	±0.1 Units	±10 mV	±10 %		
1000	80	3.15	0.75	11.4	2.28	1.02	7.89	149.5	11.0		
1005	82	3.62	1.22	11.6	1.84	1.01	7.93	146.5	6.39		
1010		4.10	1.70	12.0	1.79	1.02	7.95	144.3	2.18		
1015	80	4.63	2.23	12.0	2.10	1.02	7.95	143.6	2.08		
1020		5.09	2.69	11.9	2.12	1.02	7.95	143.5	2.23		
1025		5.50	3.10	11.8	2.17	1.01	7.95	143.4	2.48		

Comments:

Instrument Control Numbers

Water Level Meter: NF06118
Multi-parameter meter: NF07602
Turbidimeter: NF08319
Signature: Susan Gardner

Notes:
(1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
(2) The well screen volume will be based on a 5-foot screen length (L). For Imperial units, $Vs=\pi*(r")*L*(2.54)^{-}$, where r and L are in inches.
(3) The drawdown from the initial water level should not exceed 0.3 ft. The pumping rate should not exceed 600 mL/min.
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= Vp/Vs.

CHAIN OF CUSTODY RECORD

COC NO.: 60334

PAGE 1 OF 1

Address: 2055 Niagara Falls Blvd NF NY

Phone: 716-297-6150 **Fax:**

Project No/ Phase/Task Code: 112041S-CO	**Laboratory Name:** Eurofins Test America	**Lab Location:** Pittsburgh	**SSOW ID:**
Project Name: CBS Wellsville GW Sampling	**Lab Contact:** Jill Colussy		**Cooler No:**
Project Location: Behind Around Genesee Street	**SAMPLE TYPE**	**ANALYSIS REQUESTED** (See Back of COC for Definitions)	**Carrier:** Fed Ex
GHD Chemistry Contact: R. McMahon			**Airbill No:**
Sampler(s): D Tyo, S Gardner			**Total # of Containers:** 54

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)												Total Containers/sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)						HNO3	ICE													
1	WG 112041S 111521 DT 001	11/5/21	1050	WG	G	N	X	X										4		
2	WG 112041S 111521 SG 002	11/15/21	0925	WG	G	N	X	X										4		
3	WG 112041S 111521 DT 003	11/5/21	1235	WG	G	N	X	X										4		
4	WG 112041S 111521 SG 004	11/5/21	0925	WG	G	N	X	X										4		
5	WG 112041S 111621 DT 005	11/6/21	0915	WG	G	N	X	X										4		
6	WG 112041S 111521 SG 006	11/5/21	1115	WG	G	N	X	X										4		
7	WG 112041S 111621 DT 007	11/6/21	1045	WG	G	N	X	X										4		
8	WG 112041S 111521 SG 008	11/5/21	1230	WG	G	N	X	X										4		
9	WG 112041S 111621 SG-009	11/6/21	1250	WG	G	N	X	X										4		
10	WG 112041S 111621-SG-010	11/6/21	0935	WG	G	N	X	X										14	X	
11	WG 112041S 111621 SG 011	11/6/21	1030	WG	G	N	X	X										4		
12	TB 112041S 111521 DT	11/5/21		TB	G	N		X										2		

TAT Required in business days (use separate COCs for different TATs):

☐ ☐1 Day ☑2 Days ☐3 Days ☐1Week ☑2Week Other

Notes/ Special Requirements:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1. D Tyo	GHD	11/16/21	1423	1.			
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Attachment B

Groundwater Field Parameters

Attachment B

Groundwater Quality Parameters
Fomer Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Monitoring Well Location	Date	Time	Purge Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level (ft)	Temperature (°C)	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
MW-5	11/15/2021	09:05	70	3.20	0.85	10.7	3.16	4.16	7.71	156.0	8.61
		09:10	80	3.68	1.33	10.9	3.16	4.16	7.79	144.7	6.64
		09:15		4.03	1.68	10.7	3.20	4.15	7.80	136.3	5.18
		09:20	80	4.17	1.82	10.6	3.22	4.16	7.82	133.7	4.85
MW-31	11/15/2021	10:12	42	3.87	1.11	11.70	2.59	17.8	7.61	-187	6.04
		10:17		4.21	1.45	11.47	1.85	16.9	7.65	-193	5.01
		10:22	54			11.82	1.57	15.9	7.56	-185	3.72
		10:27		4.92	2.16	11.54	1.48	15.1	7.62	-182	6.21
		10:32	66			11.92	1.29	14.4	7.72	-186	7.03
		10:37		5.90	3.14	11.86	1.45	13.4	7.79	-178	3.27
		10:42	60			11.84	1.25	13.1	7.75	-178	3.53
		10:47				11.80	1.19	12.8	7.75	-176	3.41
MW-28	11/15/2021	10:43	88	6.08	0.34	12.7	0.75	10.89	7.58	-7.5	2.50
		10:48	88	6.25	0.51	12.4	1.06	10.90	7.50	-22.8	1.45
		10:53		6.40	0.66	12.3	0.94	10.91	7.48	-33.1	1.40
		10:58	86	6.49	0.75	11.9	0.99	10.92	7.48	-40.1	1.63
		11:03		6.57	0.83	11.8	1.02	10.94	7.48	-47.0	2.01
		11:08	86	6.68	0.94	11.7	1.05	10.88	7.48	-54.1	1.97
MW-2	11/15/2021	11:53	100	7.71	0.66	12.7	1.77	14.68	6.97	-10.9	1.45
		11:58	100	8.16	1.11	12.4	0.63	14.60	6.99	-16.1	2.02
		12:03		8.62	1.57	12.6	0.47	14.62	6.99	-15.2	1.79
		12:08	97	9.17	2.12	12.7	0.38	14.55	6.99	-11.1	1.93
		12:13		9.68	2.63	12.8	0.35	14.50	6.99	-8.7	2.17
		12:18		10.09	3.04	12.8	0.33	14.47	6.99	-10.5	2.26
		12:23	96	10.57	3.52	12.9	0.31	14.45	6.99	-12.2	2.57
MW-32	11/15/2021	12:14	92	2.51	1.25	12.73	2.62	6.12	7.23	-72	3.30
		12:19		2.71	1.45	12.35	1.53	6.04	7.22	-104	6.93
		12:24	108			12.18	1.31	6.00	7.22	-104	5.66
		12:29		2.82	1.56	12.04	1.27	5.99	7.21	-102	7.59
		12:34					1.29	5.99	7.23	-98	6.48
MW-35	11/16/2021	08:39	86	12.00	0.92	16.68	2.44	0.227	7.01	-98	7.06
		08:44		12.49	1.41	15.16	2.60	0.230	7.18	-101	5.91
		08:49	74			14.17	2.87	0.253	7.20	-81	5.65
		08:54		13.37	2.29	13.71	2.99	0.262	7.20	-74	4.33
		08:59	88			13.25	3.36	0.268	7.22	-68	4.54
		09:04		14.36	3.28	12.85	3.81	0.276	7.24	-56	4.19
		09:09	88			12.50	3.89	0.282	7.26	-52	4.58

Groundwater Quality Parameters
Fomer Westinghouse Site
Cheektowaga, New York
November 15-16, 2021

Monitoring Well Location	Date	Time	Purge Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level (ft)	Temperature (°C)	DO (mg/L)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
MW-34D	11/16/2021	08:55	100	0.42	0.14	11.1	0.78	0.524	7.62	193.6	135
		09:00		0.51	0.23	10.7	0.64	0.514	8.13	174.8	123
		09:05	100	0.64	0.36	10.8	0.44	0.510	8.30	164.3	96.0
		09:10		0.76	0.48	10.9	0.41	0.510	8.36	159.3	84.4
		09:15	100	0.96	0.68	11.1	0.37	0.511	8.37	147.5	76.7
		09:20		1.12	0.84	10.9	0.40	0.508	8.39	145.9	76.8
MW-34	11/16/2021	10:00	80	3.15	0.75	11.4	2.28	1.02	7.89	149.5	11.0
		10:05	82	3.62	1.22	11.8	1.84	1.01	7.93	146.5	6.59
		10:10		4.10	1.70	12.0	1.79	1.02	7.95	144.3	2.18
		10:15	80	4.63	2.23	12.0	2.10	1.02	7.95	143.6	2.68
		10:20		5.09	2.69	11.9	2.12	1.02	7.95	143.5	2.23
		10:25		5.50	3.10	11.8	2.17	1.01	7.95	143.4	2.48
MW-30	11/16/2021	10:03	124			13.93	3.64	0.934	7.34	-1	7.58
		10:08		5.19	1.50	14.08	2.66	0.926	7.34	11	6.28
		10:13				13.92	10.25	0.911	7.31	18	5.10
		10:18	148	6.41	2.72	14.05	9.96	0.921	7.27	28	7.49
		10:23		7.28	3.59	14.30	8.74	0.920	7.25	33	8.24
		10:28	72			13.72	7.89	0.908	7.35	36	7.59
		10:33		8.33	4.64	13.55	7.71	0.909	7.37	41	8.39
		10:38				13.25	7.69	0.905	7.40	40	7.91
MW-33	11/16/2021	12:10	84	5.54	0.73	13.1	1.02	1.96	7.92	143.2	11.5
		12:15	84	6.00	1.19	13.3	0.60	2.02	7.90	139.4	12.4
		12:20		6.45	1.64	13.6	0.41	2.03	7.89	136.4	4.55
		12:25	86	6.97	2.16	13.5	0.33	2.04	7.89	134.1	4.87
		12:30		7.44	2.63	13.6	0.29	2.03	7.89	132.9	1.78
		12:35		8.18	3.37	13.8	0.22	2.04	7.87	131.6	1.04
		12:40	86	8.76	3.95	13.9	0.22	2.03	7.89	131.4	1.66
		12:45		9.39	4.58	13.9	0.21	2.04	7.89	131.3	1.79

°C - degrees Celsius
mV - millivolts
mg/L - milligrams per liter
NTU - Nephelometric Turbidity Unit
mS/cm - millisiemens per centimeter
mL/min - milliliters per minute
DO - dissolved oxygen
ORP - oxidation-reduction potential

Attachment C

Laboratory Reports

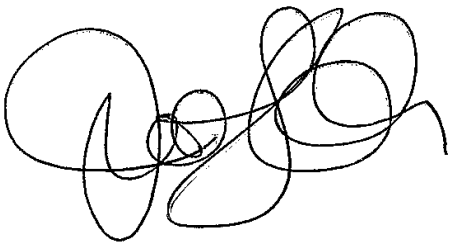
ANALYTICAL REPORT

Job Number: 180-130105-1

Job Description: 0018036 Westinghouse

For:
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Mr. Paul McMahon



Approved for release.
Jill L Colussy
Project Manager I
11/30/2021 2:50 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
(412)963-2444
Jill.Colussy@Eurofinset.com
11/30/2021

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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

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CASE NARRATIVE

Client: GHD Services Inc.

Project: 0018036 Westinghouse

Report Number: 180-130105-1

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

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 11/17/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 3.0º C and 3.6º C.

VOLATILES

The laboratory control sample (LCS) for batch 180-380188 recovered below the control limits for 1,1,1-Trichloroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 180-380188 was outside the method criteria for the following analyte(s): 1,1,1-Trichloroethane and Carbon tetrachloride. (LOW). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 180-379675 was analyzed to establish Internal Standard Area Counts.

METALS

Sample WG-11201415-111521-SG-008 (180-130105-8) was analyzed at a dilution due to matrix interference on the internal standard. The reporting limits have been adjusted accordingly.

Sample Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130105-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130105-1	WG-11201415-111521-DT-001	Water	11/15/21 10:50	11/17/21 10:00
180-130105-2	WG-11201415-111521-SG-002	Water	11/15/21 09:25	11/17/21 10:00
180-130105-3	WG-11201415-111521-DT-003	Water	11/15/21 12:35	11/17/21 10:00
180-130105-4	WG-11201415-111521-SG-004	Water	11/15/21 09:25	11/17/21 10:00
180-130105-5	WG-11201415-111621-DT-005	Water	11/16/21 09:15	11/17/21 10:00
180-130105-6	WG-11201415-111521-SG-006	Water	11/15/21 11:15	11/17/21 10:00
180-130105-7	WG-11201415-111621-DT-007	Water	11/16/21 10:45	11/17/21 10:00
180-130105-8	WG-11201415-111521-SG-008	Water	11/15/21 12:30	11/17/21 10:00
180-130105-9	WG-11201415-111621-SG-009	Water	11/16/21 12:50	11/17/21 10:00
180-130105-10	WG-11201415-111621-SG-010	Water	11/16/21 09:25	11/17/21 10:00
180-130105-11	WG-11201415-111621-SG-011	Water	11/16/21 10:30	11/17/21 10:00
180-130105-12	TB-11201415111521-DT	Water	11/15/21 00:01	11/17/21 10:00

Detection Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130105-1

Client Sample ID: WG-11201415-111521-DT-001 — Lab Sample ID: 180-130105-1

No Detections.

Client Sample ID: WG-11201415-111521-SG-002 — Lab Sample ID: 180-130105-2

No Detections.

Client Sample ID: WG-11201415-111521-DT-003 — Lab Sample ID: 180-130105-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	0.71	J	1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	0.88	J	1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Lead	3.5	J	10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable

Client Sample ID: WG-11201415-111521-SG-004 — Lab Sample ID: 180-130105-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.9	J	10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable

Client Sample ID: WG-11201415-111621-DT-005 — Lab Sample ID: 180-130105-5

No Detections.

Client Sample ID: WG-11201415-111521-SG-006 — Lab Sample ID: 180-130105-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.3	J	10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable

Client Sample ID: WG-11201415-111621-DT-007 — Lab Sample ID: 180-130105-7

No Detections.

Client Sample ID: WG-11201415-111521-SG-008 — Lab Sample ID: 180-130105-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.65	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable

Client Sample ID: WG-11201415-111621-SG-009 — Lab Sample ID: 180-130105-9

No Detections.

Client Sample ID: WG-11201415-111621-SG-010 — Lab Sample ID: 180-130105-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.35	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable

Client Sample ID: WG-11201415-111621-SG-011 — Lab Sample ID: 180-130105-11

No Detections.

Client Sample ID: TB-11201415111521-DT — Lab Sample ID: 180-130105-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: GHD Services Inc.
Job ID: 180-130105-1
Project/Site: 0018036 Westinghouse

Method	Method Description	Protocol	Laboratory
EPA 624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PIT
EPA 200.7 Rev 4	Metals (ICP)	EPA	TAL PIT
200.7	Preparation, Total Recoverable Metals	EPA	TAL PIT

Protocol References:

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

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-DT-001
Lab Sample ID: 180-130105-1
Date Collected: 11/15/21 10:50
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 18:56	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 18:56	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 18:56	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 18:56	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*28 - 163*		*11/21/21 18:56*	*1*
4-Bromofluorobenzene (Surr)	*67*		*41 - 122*		*11/21/21 18:56*	*1*
Toluene-d8 (Surr)	*94*		*53 - 125*		*11/21/21 18:56*	*1*
Dibromofluoromethane (Surr)	*125*		*59 - 168*		*11/21/21 18:56*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-SG-002
Lab Sample ID: 180-130105-2
Date Collected: 11/15/21 09:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 19:22	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 19:22	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 19:22	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 19:22	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*28 - 163*		*11/21/21 19:22*	*1*
4-Bromofluorobenzene (Surr)	*64*		*41 - 122*		*11/21/21 19:22*	*1*
Toluene-d8 (Surr)	*101*		*53 - 125*		*11/21/21 19:22*	*1*
Dibromofluoromethane (Surr)	*133*		*59 - 168*		*11/21/21 19:22*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-DT-003
Lab Sample ID: 180-130105-3
Date Collected: 11/15/21 12:35
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 19:47	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.71	ug/L			11/21/21 19:47	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 19:47	1
Trichloroethene	**0.71**	**J**	1.0	0.69	ug/L			11/21/21 19:47	1
Vinyl chloride	**0.88**	**J**	1.0	0.40	ug/L			11/21/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*28 - 163*		*11/21/21 19:47*	*1*
4-Bromofluorobenzene (Surr)	*66*		*41 - 122*		*11/21/21 19:47*	*1*
Toluene-d8 (Surr)	*98*		*53 - 125*		*11/21/21 19:47*	*1*
Dibromofluoromethane (Surr)	*121*		*59 - 168*		*11/21/21 19:47*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-SG-004
Lab Sample ID: 180-130105-4
Date Collected: 11/15/21 09:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 20:12	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 20:12	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 20:12	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*28 - 163*		*11/21/21 20:12*	*1*
4-Bromofluorobenzene (Surr)	*61*		*41 - 122*		*11/21/21 20:12*	*1*
Toluene-d8 (Surr)	*92*		*53 - 125*		*11/21/21 20:12*	*1*
Dibromofluoromethane (Surr)	*124*		*59 - 168*		*11/21/21 20:12*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111621-DT-005
Lab Sample ID: 180-130105-5
Date Collected: 11/16/21 09:15
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 20:37	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 20:37	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 20:37	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 20:37	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*28 - 163*		*11/21/21 20:37*	*1*
4-Bromofluorobenzene (Surr)	*54*		*41 - 122*		*11/21/21 20:37*	*1*
Toluene-d8 (Surr)	*83*		*53 - 125*		*11/21/21 20:37*	*1*
Dibromofluoromethane (Surr)	*111*		*59 - 168*		*11/21/21 20:37*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-SG-006
Lab Sample ID: 180-130105-6
Date Collected: 11/15/21 11:15
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 21:01	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 21:01	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 21:01	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 21:01	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*28 - 163*		*11/21/21 21:01*	*1*
4-Bromofluorobenzene (Surr)	*54*		*41 - 122*		*11/21/21 21:01*	*1*
Toluene-d8 (Surr)	*75*		*53 - 125*		*11/21/21 21:01*	*1*
Dibromofluoromethane (Surr)	*113*		*59 - 168*		*11/21/21 21:01*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111621-DT-007
Lab Sample ID: 180-130105-7
Date Collected: 11/16/21 10:45
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 23:05	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 23:05	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 23:05	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 23:05	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*28 - 163*		*11/21/21 23:05*	*1*
4-Bromofluorobenzene (Surr)	*68*		*41 - 122*		*11/21/21 23:05*	*1*
Toluene-d8 (Surr)	*103*		*53 - 125*		*11/21/21 23:05*	*1*
Dibromofluoromethane (Surr)	*122*		*59 - 168*		*11/21/21 23:05*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111521-SG-008
Lab Sample ID: 180-130105-8
Date Collected: 11/15/21 12:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 18:32	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 18:32	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 18:32	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 18:32	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*28 - 163*		*11/21/21 18:32*	*1*
4-Bromofluorobenzene (Surr)	*62*		*41 - 122*		*11/21/21 18:32*	*1*
Toluene-d8 (Surr)	*92*		*53 - 125*		*11/21/21 18:32*	*1*
Dibromofluoromethane (Surr)	*128*		*59 - 168*		*11/21/21 18:32*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111621-SG-009
Lab Sample ID: 180-130105-9
Date Collected: 11/16/21 12:50
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*-	1.0	0.60	ug/L			11/26/21 21:29	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 21:29	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 21:29	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 21:29	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*59*		*28 - 163*		*11/26/21 21:29*	*1*
4-Bromofluorobenzene (Surr)	*59*		*41 - 122*		*11/26/21 21:29*	*1*
Toluene-d8 (Surr)	*97*		*53 - 125*		*11/26/21 21:29*	*1*
Dibromofluoromethane (Surr)	*96*		*59 - 168*		*11/26/21 21:29*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111621-SG-010
Lab Sample ID: 180-130105-10
Date Collected: 11/16/21 09:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 21:51	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 21:51	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 21:51	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*28 - 163*		*11/21/21 21:51*	*1*
4-Bromofluorobenzene (Surr)	*64*		*41 - 122*		*11/21/21 21:51*	*1*
Toluene-d8 (Surr)	*80*		*53 - 125*		*11/21/21 21:51*	*1*
Dibromofluoromethane (Surr)	*135*		*59 - 168*		*11/21/21 21:51*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WG-11201415-111621-SG-011
Lab Sample ID: 180-130105-11
Date Collected: 11/16/21 10:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*-	1.0	0.60	ug/L			11/26/21 21:58	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 21:58	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 21:58	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 21:58	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*62*		*28 - 163*		*11/26/21 21:58*	*1*
4-Bromofluorobenzene (Surr)	*64*		*41 - 122*		*11/26/21 21:58*	*1*
Toluene-d8 (Surr)	*104*		*53 - 125*		*11/26/21 21:58*	*1*
Dibromofluoromethane (Surr)	*105*		*59 - 168*		*11/26/21 21:58*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-11201415111521-DT
Date Collected: 11/15/21 00:01
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130105-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 21:26	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 21:26	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 21:26	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 21:26	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*28 - 163*		*11/21/21 21:26*	*1*
4-Bromofluorobenzene (Surr)	*61*		*41 - 122*		*11/21/21 21:26*	*1*
Toluene-d8 (Surr)	*92*		*53 - 125*		*11/21/21 21:26*	*1*
Dibromofluoromethane (Surr)	*129*		*59 - 168*		*11/21/21 21:26*	*1*

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-DT-001 **Lab Sample ID: 180-130105-1**
Date Collected: 11/15/21 10:50 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:40	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 14:40	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-SG-002 **Lab Sample ID: 180-130105-2**
Date Collected: 11/15/21 09:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:45	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 14:45	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-DT-003
Lab Sample ID: 180-130105-3
Date Collected: 11/15/21 12:35
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:49	1
Lead	**3.5**	**J**	10	2.3	ug/L		11/23/21 10:00	11/24/21 14:49	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-SG-004 **Lab Sample ID: 180-130105-4**
Date Collected: 11/15/21 09:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:54	1
Lead	**2.9**	**J**	10	2.3	ug/L		11/23/21 10:00	11/24/21 14:54	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111621-DT-005
Lab Sample ID: 180-130105-5
Date Collected: 11/16/21 09:15
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:59	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 14:59	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-SG-006 **Lab Sample ID: 180-130105-6**
Date Collected: 11/15/21 11:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:04	1
Lead	**8.3**	**J**	10	2.3	ug/L		11/23/21 10:00	11/24/21 15:04	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111621-DT-007
Lab Sample ID: 180-130105-7
Date Collected: 11/16/21 10:45
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:17	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 15:17	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111521-SG-008
Lab Sample ID: 180-130105-8
Date Collected: 11/15/21 12:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.65**	**J**	5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:22	1
Lead	ND		20	4.5	ug/L		11/23/21 10:00	11/26/21 16:09	2

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111621-SG-009 **Lab Sample ID: 180-130105-9**
Date Collected: 11/16/21 12:50 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:27	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 15:27	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111621-SG-010
Lab Sample ID: 180-130105-10
Date Collected: 11/16/21 09:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.35**	**J**	5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:32	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 15:32	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WG-11201415-111621-SG-011
Lab Sample ID: 180-130105-11
Date Collected: 11/16/21 10:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:50	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 15:50	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130105-1

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(28-163)	(41-122)	(53-125)	(59-168)
180-130105-1	WG-11201415-111521-DT-001	117	67	94	125
180-130105-2	WG-11201415-111521-SG-002	124	64	101	133
180-130105-3	WG-11201415-111521-DT-003	112	66	98	121
180-130105-4	WG-11201415-111521-SG-004	117	61	92	124
180-130105-5	WG-11201415-111621-DT-005	103	54	83	111
180-130105-6	WG-11201415-111521-SG-006	108	54	75	113
180-130105-7	WG-11201415-111621-DT-007	119	68	103	122
180-130105-8	WG-11201415-111521-SG-008	121	62	92	128
180-130105-9	WG-11201415-111621-SG-009	59	59	97	96
180-130105-10	WG-11201415-111621-SG-010	131	64	80	135
180-130105-10 MS	WG-11201415-111621-SG-010	109	97	104	111
180-130105-10 MSD	WG-11201415-111621-SG-010	103	99	113	110
180-130105-11	WG-11201415-111621-SG-011	62	64	104	105
180-130105-12	TB-11201415111521-DT	121	61	92	129
LCS 180-379675/6	Lab Control Sample	112	111	109	115
LCS 180-380188/3	Lab Control Sample	88	86	90	100
MB 180-379675/9	Method Blank	114	89	111	121
MB 180-380188/5	Method Blank	90	79	84	108

Surrogate Legend

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

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-379675/9
Matrix: Water
Analysis Batch: 379675

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/21/21 13:30	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/21/21 13:30	1
Toluene	ND		1.0	0.46	ug/L			11/21/21 13:30	1
Trichloroethene	ND		1.0	0.69	ug/L			11/21/21 13:30	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/21/21 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*28 - 163*		*11/21/21 13:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*41 - 122*		*11/21/21 13:30*	*1*
Toluene-d8 (Surr)	*111*		*53 - 125*		*11/21/21 13:30*	*1*
Dibromofluoromethane (Surr)	*121*		*59 - 168*		*11/21/21 13:30*	*1*

Lab Sample ID: LCS 180-379675/6
Matrix: Water
Analysis Batch: 379675

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			10.0	11.5		ug/L		115	70 - 130		
cis-1,2-Dichloroethene			10.0	11.4		ug/L		114	67 - 124		
Toluene			10.0	11.2		ug/L		112	70 - 130		
Trichloroethene			10.0	10.1		ug/L		101	65 - 135		
Vinyl chloride			10.0	11.9		ug/L		119	10 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*28 - 163*
4-Bromofluorobenzene (Surr)	*111*		*41 - 122*
Toluene-d8 (Surr)	*109*		*53 - 125*
Dibromofluoromethane (Surr)	*115*		*59 - 168*

Lab Sample ID: 180-130105-10 MS
Matrix: Water
Analysis Batch: 379675

Client Sample ID: WG-11201415-111621-SG-010
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		10.0	12.0		ug/L		120	65 - 162		
cis-1,2-Dichloroethene	ND		10.0	11.3		ug/L		113	59 - 135		
Toluene	ND		10.0	12.1		ug/L		121	47 - 150		
Trichloroethene	ND		10.0	10.7		ug/L		107	70 - 157		
Vinyl chloride	ND		10.0	12.7		ug/L		127	10 - 170		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*28 - 163*
4-Bromofluorobenzene (Surr)	*97*		*41 - 122*
Toluene-d8 (Surr)	*104*		*53 - 125*
Dibromofluoromethane (Surr)	*111*		*59 - 168*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-130105-10 MSD
Matrix: Water
Analysis Batch: 379675

Client Sample ID: WG-11201415-111621-SG-010
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	ND		10.0	10.6		ug/L		106	65 - 162	12	35
cis-1,2-Dichloroethene	ND		10.0	11.0		ug/L		110	59 - 135	2	30
Toluene	ND		10.0	12.0		ug/L		120	47 - 150	0	35
Trichloroethene	ND		10.0	9.98		ug/L		100	70 - 157	7	31
Vinyl chloride	ND		10.0	10.3		ug/L		103	10 - 170	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*28 - 163*
4-Bromofluorobenzene (Surr)	*99*		*41 - 122*
Toluene-d8 (Surr)	*113*		*53 - 125*
Dibromofluoromethane (Surr)	*110*		*59 - 168*

Lab Sample ID: MB 180-380188/5
Matrix: Water
Analysis Batch: 380188

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.60	ug/L			11/26/21 14:33	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 14:33	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 14:33	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 14:33	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*28 - 163*		*11/26/21 14:33*	*1*
4-Bromofluorobenzene (Surr)	*79*		*41 - 122*		*11/26/21 14:33*	*1*
Toluene-d8 (Surr)	*84*		*53 - 125*		*11/26/21 14:33*	*1*
Dibromofluoromethane (Surr)	*108*		*59 - 168*		*11/26/21 14:33*	*1*

Lab Sample ID: LCS 180-380188/3
Matrix: Water
Analysis Batch: 380188

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			10.0	6.47	*-	ug/L		65	70 - 130		
cis-1,2-Dichloroethene			10.0	8.67		ug/L		87	67 - 124		
Toluene			10.0	8.52		ug/L		85	70 - 130		
Trichloroethene			10.0	7.74		ug/L		77	65 - 135		
Vinyl chloride			10.0	7.29		ug/L		73	10 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*28 - 163*
4-Bromofluorobenzene (Surr)	*86*		*41 - 122*
Toluene-d8 (Surr)	*90*		*53 - 125*
Dibromofluoromethane (Surr)	*100*		*59 - 168*

Method: EPA 200.7 Rev 4 - Metals (ICP)

Lab Sample ID: MB 180-379791/1-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:31	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 14:31	1

Lab Sample ID: LCS 180-379791/2-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			500	533		ug/L		107	85 - 115		
Lead			500	519		ug/L		104	85 - 115		

Lab Sample ID: 180-130105-10 MS
Matrix: Water
Analysis Batch: 380176

Client Sample ID: WG-11201415-111621-SG-010
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	0.35	J	500	519		ug/L		104	70 - 130		
Lead	ND		500	506		ug/L		101	70 - 130		

Lab Sample ID: 180-130105-10 MSD
Matrix: Water
Analysis Batch: 380176

Client Sample ID: WG-11201415-111621-SG-010
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.35	J	500	512		ug/L		102	70 - 130	1	20
Lead	ND		500	497		ug/L		99	70 - 130	2	20

Definitions/Glossary

Client: GHD Services Inc. Job ID: 180-130105-1
Project/Site: 0018036 Westinghouse

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 379675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-1	WG-11201415-111521-DT-001	Total/NA	Water	EPA 624.1	
180-130105-2	WG-11201415-111521-SG-002	Total/NA	Water	EPA 624.1	
180-130105-3	WG-11201415-111521-DT-003	Total/NA	Water	EPA 624.1	
180-130105-4	WG-11201415-111521-SG-004	Total/NA	Water	EPA 624.1	
180-130105-5	WG-11201415-111621-DT-005	Total/NA	Water	EPA 624.1	
180-130105-6	WG-11201415-111521-SG-006	Total/NA	Water	EPA 624.1	
180-130105-7	WG-11201415-111621-DT-007	Total/NA	Water	EPA 624.1	
180-130105-8	WG-11201415-111521-SG-008	Total/NA	Water	EPA 624.1	
180-130105-10	WG-11201415-111621-SG-010	Total/NA	Water	EPA 624.1	
180-130105-12	TB-11201415111521-DT	Total/NA	Water	EPA 624.1	
MB 180-379675/9	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-379675/6	Lab Control Sample	Total/NA	Water	EPA 624.1	
180-130105-10 MS	WG-11201415-111621-SG-010	Total/NA	Water	EPA 624.1	
180-130105-10 MSD	WG-11201415-111621-SG-010	Total/NA	Water	EPA 624.1	

Analysis Batch: 380188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-9	WG-11201415-111621-SG-009	Total/NA	Water	EPA 624.1	
180-130105-11	WG-11201415-111621-SG-011	Total/NA	Water	EPA 624.1	
MB 180-380188/5	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-380188/3	Lab Control Sample	Total/NA	Water	EPA 624.1	

Metals

Prep Batch: 379791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-1	WG-11201415-111521-DT-001	Total Recoverable	Water	200.7	
180-130105-2	WG-11201415-111521-SG-002	Total Recoverable	Water	200.7	
180-130105-3	WG-11201415-111521-DT-003	Total Recoverable	Water	200.7	
180-130105-4	WG-11201415-111521-SG-004	Total Recoverable	Water	200.7	
180-130105-5	WG-11201415-111621-DT-005	Total Recoverable	Water	200.7	
180-130105-6	WG-11201415-111521-SG-006	Total Recoverable	Water	200.7	
180-130105-7	WG-11201415-111621-DT-007	Total Recoverable	Water	200.7	
180-130105-8	WG-11201415-111521-SG-008	Total Recoverable	Water	200.7	
180-130105-9	WG-11201415-111621-SG-009	Total Recoverable	Water	200.7	
180-130105-10	WG-11201415-111621-SG-010	Total Recoverable	Water	200.7	
180-130105-11	WG-11201415-111621-SG-011	Total Recoverable	Water	200.7	
MB 180-379791/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-379791/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-130105-10 MS	WG-11201415-111621-SG-010	Total Recoverable	Water	200.7	
180-130105-10 MSD	WG-11201415-111621-SG-010	Total Recoverable	Water	200.7	

Analysis Batch: 380176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-1	WG-11201415-111521-DT-001	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-2	WG-11201415-111521-SG-002	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-3	WG-11201415-111521-DT-003	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-4	WG-11201415-111521-SG-004	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-5	WG-11201415-111621-DT-005	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-6	WG-11201415-111521-SG-006	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-7	WG-11201415-111621-DT-007	Total Recoverable	Water	EPA 200.7 Rev 4	379791

Metals (Continued)

Analysis Batch: 380176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-8	WG-11201415-111521-SG-008	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-9	WG-11201415-111621-SG-009	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-10	WG-11201415-111621-SG-010	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-11	WG-11201415-111621-SG-011	Total Recoverable	Water	EPA 200.7 Rev 4	379791
MB 180-379791/1-A	Method Blank	Total Recoverable	Water	EPA 200.7 Rev 4	379791
LCS 180-379791/2-A	Lab Control Sample	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-10 MS	WG-11201415-111621-SG-010	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130105-10 MSD	WG-11201415-111621-SG-010	Total Recoverable	Water	EPA 200.7 Rev 4	379791

Analysis Batch: 380326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130105-8	WG-11201415-111521-SG-008	Total Recoverable	Water	EPA 200.7 Rev 4	379791

Client Sample ID: WG-11201415-111521-DT-001 Lab Sample ID: 180-130105-1

Date Collected: 11/15/21 10:50 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 18:56	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 14:40	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111521-SG-002 Lab Sample ID: 180-130105-2

Date Collected: 11/15/21 09:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 19:22	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 14:45	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111521-DT-003 Lab Sample ID: 180-130105-3

Date Collected: 11/15/21 12:35 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 19:47	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 14:49	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111521-SG-004 Lab Sample ID: 180-130105-4

Date Collected: 11/15/21 09:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 20:12	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 14:54	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111621-DT-005 Lab Sample ID: 180-130105-5

Date Collected: 11/16/21 09:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 20:37	PJJ	TAL PIT
	Instrument ID: CHHP5									

Lab Chronicle

Client: GHD Services Inc. Job ID: 180-130105-1
Project/Site: 0018036 Westinghouse

Client Sample ID: WG-11201415-111621-DT-005 Lab Sample ID: 180-130105-5

Date Collected: 11/16/21 09:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 14:59	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111521-SG-006 Lab Sample ID: 180-130105-6

Date Collected: 11/15/21 11:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 21:01	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:04	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111621-DT-007 Lab Sample ID: 180-130105-7

Date Collected: 11/16/21 10:45 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 23:05	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:17	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111521-SG-008 Lab Sample ID: 180-130105-8

Date Collected: 11/15/21 12:30 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 18:32	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:22	RJR	TAL PIT
	Instrument ID: C									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		2			380326	11/26/21 16:09	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111621-SG-009 Lab Sample ID: 180-130105-9

Date Collected: 11/16/21 12:50 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380188	11/26/21 21:29	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:27	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111621-SG-010 Lab Sample ID: 180-130105-10

Date Collected: 11/16/21 09:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 21:51	PJJ	TAL PIT
	Instrument ID: CHHP5									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:32	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WG-11201415-111621-SG-011 Lab Sample ID: 180-130105-11

Date Collected: 11/16/21 10:30 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380188	11/26/21 21:58	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:50	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: TB-11201415111521-DT Lab Sample ID: 180-130105-12

Date Collected: 11/15/21 00:01 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379675	11/21/21 21:26	PJJ	TAL PIT
	Instrument ID: CHHP5									

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KFS = Kelly Shannon

Batch Type: Analysis

PJJ = Patrick Journet

RJR = Ron Rosenbaum

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 180-130105-1
Project/Site: 0018036 Westinghouse

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	10043	09-15-22

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

Analysis Method	Prep Method	Matrix	Analyte
EPA 200.7 Rev 4	200.7	Water	Cadmium

624.1_PREC

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
WG-11201415-111521-DT-001	180-130105-1	125	117	94	67
WG-11201415-111521-SG-002	180-130105-2	133	124	101	64
WG-11201415-111521-DT-003	180-130105-3	121	112	98	66
WG-11201415-111521-SG-004	180-130105-4	124	117	92	61
WG-11201415-111621-DT-005	180-130105-5	111	103	83	54
WG-11201415-111521-SG-006	180-130105-6	113	108	75	54
WG-11201415-111621-DT-007	180-130105-7	122	119	103	68
WG-11201415-111521-SG-008	180-130105-8	128	121	92	62
WG-11201415-111621-SG-009	180-130105-9	96	59	97	59
WG-11201415-111621-SG-010	180-130105-10	135	131	80	64
WG-11201415-111621-SG-011	180-130105-11	105	62	104	64
TB-11201415111521-DT	180-130105-12	129	121	92	61
	MB 180-379675/9	121	114	111	89
	MB 180-380188/5	108	90	84	79
	LCS 180-379675/6	115	112	109	111
	LCS 180-380188/3	100	88	90	86
WG-11201415-111621-SG-010 MS	180-130105-10 MS	111	109	104	97
WG-11201415-111621-SG-010 MSD	180-130105-10 MSD	110	103	113	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	59-168
DCA = 1,2-Dichloroethane-d4 (Surr)	28-163
TOL = Toluene-d8 (Surr)	53-125
BFB = 4-Bromofluorobenzene (Surr)	41-122

Column to be used to flag recovery values

FORM II EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 51121006.D

Lab ID: LCS 180-379675/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	11.5	115	70-130	
cis-1,2-Dichloroethene	10.0	11.4	114	67-124	
Toluene	10.0	11.2	112	70-130	
Trichloroethene	10.0	10.1	101	65-135	
Vinyl chloride	10.0	11.9	119	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61126003.D

Lab ID: LCS 180-380188/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	6.47	65	70-130	*-
cis-1,2-Dichloroethene	10.0	8.67	87	67-124	
Toluene	10.0	8.52	85	70-130	
Trichloroethene	10.0	7.74	77	65-135	
Vinyl chloride	10.0	7.29	73	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 51121030.D

Lab ID: 180-130105-10 MS Client ID: WG-11201415-111621-SG-010 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	ND	12.0	120	65-162	
cis-1,2-Dichloroethene	10.0	ND	11.3	113	59-135	
Toluene	10.0	ND	12.1	121	47-150	
Trichloroethene	10.0	ND	10.7	107	70-157	
Vinyl chloride	10.0	ND	12.7	127	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 51121031.D

Lab ID: 180-130105-10 MSD Client ID: WG-11201415-111621-SG-010 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.6	106	12	35	65-162	
cis-1,2-Dichloroethene	10.0	11.0	110	2	30	59-135	
Toluene	10.0	12.0	120	0	35	47-150	
Trichloroethene	10.0	9.98	100	7	31	70-157	
Vinyl chloride	10.0	10.3	103	21	35	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 51121009.D Lab Sample ID: MB 180-379675/9

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

Instrument ID: CHHP5 Date Analyzed: 11/21/2021 13:30

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 180-379675/6	51121006.D	11/21/2021 12:14
WG-11201415-111521-SG-008	180-130105-8	51121021.D	11/21/2021 18:32
WG-11201415-111521-DT-001	180-130105-1	51121022.D	11/21/2021 18:56
WG-11201415-111521-SG-002	180-130105-2	51121023.D	11/21/2021 19:22
WG-11201415-111521-DT-003	180-130105-3	51121024.D	11/21/2021 19:47
WG-11201415-111521-SG-004	180-130105-4	51121025.D	11/21/2021 20:12
WG-11201415-111621-DT-005	180-130105-5	51121026.D	11/21/2021 20:37
WG-11201415-111521-SG-006	180-130105-6	51121027.D	11/21/2021 21:01
TB-11201415111521-DT	180-130105-12	51121028.D	11/21/2021 21:26
WG-11201415-111621-SG-010	180-130105-10	51121029.D	11/21/2021 21:51
WG-11201415-111621-SG-010 MS	180-130105-10 MS	51121030.D	11/21/2021 22:15
WG-11201415-111621-SG-010 MSD	180-130105-10 MSD	51121031.D	11/21/2021 22:40
WG-11201415-111621-DT-007	180-130105-7	51121032.D	11/21/2021 23:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 61126005.D Lab Sample ID: MB 180-380188/5

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

Instrument ID: CHHP6 Date Analyzed: 11/26/2021 14:33

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 180-380188/3	61126003.D	11/26/2021 13:36
WG-11201415-111621-SG-009	180-130105-9	61126019.D	11/26/2021 21:29
WG-11201415-111621-SG-011	180-130105-11	61126020.D	11/26/2021 21:58

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 51104001.D BFB Injection Date: 11/04/2021

Instrument ID: CHHP5 BFB Injection Time: 09:24

Analysis Batch No.: 377581

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.9	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	Greater than 50% of mass 95	79.7	
175	5.0 - 9.0 % of mass 174	5.1	(6.5) 1
176	95.0 - 101.0 % of mass 174	78.3	(98.3) 1
177	5.0 - 9.0 % of mass 176	4.2	(5.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-377581/5	51104005.D	11/04/2021	11:31
	IC 180-377581/6	51104006.D	11/04/2021	11:57
	ICIS 180-377581/7	51104007.D	11/04/2021	12:22
	IC 180-377581/8	51104008.D	11/04/2021	12:48
	IC 180-377581/9	51104009.D	11/04/2021	13:32
	IC 180-377581/10	51104010.D	11/04/2021	13:57
	IC 180-377581/11	51104011.D	11/04/2021	14:23
	IC 180-377581/12	51104012.D	11/04/2021	14:50

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 51121002.D BFB Injection Date: 11/21/2021

Instrument ID: CHHP5 BFB Injection Time: 10:32

Analysis Batch No.: 379675

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.4
75	30.0 - 60.0 % of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	78.4
175	5.0 - 9.0 % of mass 174	6.5 (8.4) 1
176	95.0 - 101.0 % of mass 174	77.8 (99.2) 1
177	5.0 - 9.0 % of mass 176	5.6 (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
	CCVIS 180-379675/4	51121004.D	11/21/2021	11:22
	LCS 180-379675/6	51121006.D	11/21/2021	12:14
	MB 180-379675/9	51121009.D	11/21/2021	13:30
WG-11201415-111521-SG-008	180-130105-8	51121021.D	11/21/2021	18:32
WG-11201415-111521-DT-001	180-130105-1	51121022.D	11/21/2021	18:56
WG-11201415-111521-SG-002	180-130105-2	51121023.D	11/21/2021	19:22
WG-11201415-111521-DT-003	180-130105-3	51121024.D	11/21/2021	19:47
WG-11201415-111521-SG-004	180-130105-4	51121025.D	11/21/2021	20:12
WG-11201415-111621-DT-005	180-130105-5	51121026.D	11/21/2021	20:37
WG-11201415-111521-SG-006	180-130105-6	51121027.D	11/21/2021	21:01
TB-11201415111521-DT	180-130105-12	51121028.D	11/21/2021	21:26
WG-11201415-111621-SG-010	180-130105-10	51121029.D	11/21/2021	21:51
WG-11201415-111621-SG-010 MS	180-130105-10 MS	51121030.D	11/21/2021	22:15
WG-11201415-111621-SG-010 MSD	180-130105-10 MSD	51121031.D	11/21/2021	22:40
WG-11201415-111621-DT-007	180-130105-7	51121032.D	11/21/2021	23:05

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 6110501.D BFB Injection Date: 11/05/2020

Instrument ID: CHHP6 BFB Injection Time: 08:58

Analysis Batch No.: 335966

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
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	7.3
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	Greater than 50% of mass 95	72.5
175	5.0 - 9.0 % of mass 174	5.4 (7.4) 1
176	95.0 - 101.0 % of mass 174	72.7 (100.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-335966/9	6110509.D	11/05/2020	10:26
	ICIS 180-335966/10	6110510.D	11/05/2020	10:53
	IC 180-335966/11	6110511.D	11/05/2020	11:20
	IC 180-335966/12	6110512.D	11/05/2020	11:48
	IC 180-335966/13	6110513.D	11/05/2020	12:15
	IC 180-335966/14	6110514.D	11/05/2020	12:42
	IC 180-335966/15	6110515.D	11/05/2020	13:09
	IC 180-335966/25	6110525.D	11/05/2020	18:41

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 6110501.D BFB Injection Date: 11/05/2020

Instrument ID: CHHP6 BFB Injection Time: 08:58

Analysis Batch No.: 335968

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
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	7.3
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	Greater than 50% of mass 95	72.5
175	5.0 - 9.0 % of mass 174	5.4 (7.4) 1
176	95.0 - 101.0 % of mass 174	72.7 (100.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-335968/9	6110509.D	11/05/2020	10:26
	ICIS 180-335968/10	6110510.D	11/05/2020	10:53
	IC 180-335968/11	6110511.D	11/05/2020	11:20
	IC 180-335968/12	6110512.D	11/05/2020	11:48
	IC 180-335968/13	6110513.D	11/05/2020	12:15
	IC 180-335968/14	6110514.D	11/05/2020	12:42
	IC 180-335968/15	6110515.D	11/05/2020	13:09
	IC 180-335968/25	6110525.D	11/05/2020	18:41
	ICV 180-335968/29	6110529.D	11/05/2020	20:31

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab File ID: 61126001.D BFB Injection Date: 11/26/2021

Instrument ID: CHHP6 BFB Injection Time: 12:27

Analysis Batch No.: 380188

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.5	
75	30.0 - 60.0 % of mass 95	42.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.1	(0.1) 1
174	Greater than 50% of mass 95	73.4	
175	5.0 - 9.0 % of mass 174	4.8	(6.6) 1
176	95.0 - 101.0 % of mass 174	72.7	(99.1) 1
177	5.0 - 9.0 % of mass 176	4.9	(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
	CCVIS 180-380188/2	61126002.D	11/26/2021	13:07
	LCS 180-380188/3	61126003.D	11/26/2021	13:36
	MB 180-380188/5	61126005.D	11/26/2021	14:33
WG-11201415-111621-SG-009	180-130105-9	61126019.D	11/26/2021	21:29
WG-11201415-111621-SG-011	180-130105-11	61126020.D	11/26/2021	21:58

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: CCVIS 180-379675/4 Date Analyzed: 11/21/2021 11:22

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 51121004.D Heated Purge: (Y/N) N

Calibration ID: 47500

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		121768	4.24	404221	7.24	93775	10.34
UPPER LIMIT		243536	4.74	808442	7.74	187550	10.84
LOWER LIMIT		60884	3.74	202111	6.74	46888	9.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-379675/6		135609	4.24	368547	7.24	88742	10.34
MB 180-379675/9		100880	4.24	323666	7.25	74061	10.34
180-130105-8	WG-11201415-111521-SG-008	171881	4.24	477318	7.25	113828	10.34
180-130105-1	WG-11201415-111521-DT-001	132765	4.23	430784	7.25	101750	10.34
180-130105-2	WG-11201415-111521-SG-002	87386	4.24	349259	7.25	108184	10.35
180-130105-3	WG-11201415-111521-DT-003	120835	4.24	442447	7.25	99214	10.34
180-130105-4	WG-11201415-111521-SG-004	135583	4.23	472940	7.25	114106	10.34
180-130105-5	WG-11201415-111621-DT-005	100478	4.23	360322	7.25	81369	10.35
180-130105-6	WG-11201415-111521-SG-006	91063	4.24	382922	7.25	90574	10.34
180-130105-12	TB-11201415111521-DT	140967	4.24	435597	7.25	103757	10.35
180-130105-10	WG-11201415-111621-SG-010	110626	4.24	362674	7.25	114556	10.34
180-130105-10 MS	WG-11201415-111621-SG-010 MS	126232	4.24	426501	7.25	105088	10.35
180-130105-10 MSD	WG-11201415-111621-SG-010 MSD	120840	4.24	506510	7.25	117621	10.34
180-130105-7	WG-11201415-111621-DT-007	136188	4.24	464676	7.25	104990	10.34

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: CCVIS 180-379675/4 Date Analyzed: 11/21/2021 11:22

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 51121004.D Heated Purge: (Y/N) N

Calibration ID: 47500

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		189076	12.68				
UPPER LIMIT		378152	13.18				
LOWER LIMIT		94538	12.18				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-379675/6		191058	12.67				
MB 180-379675/9		105467	12.69				
180-130105-8	WG-11201415-111521-SG-008	119645	12.68				
180-130105-1	WG-11201415-111521-DT-001	117648	12.68				
180-130105-2	WG-11201415-111521-SG-002	106013	12.68				
180-130105-3	WG-11201415-111521-DT-003	104562	12.69				
180-130105-4	WG-11201415-111521-SG-004	118390	12.68				
180-130105-5	WG-11201415-111621-DT-005	81252*3	12.68				
180-130105-6	WG-11201415-111521-SG-006	101136	12.68				
180-130105-12	TB-11201415111521-DT	105898	12.68				
180-130105-10	WG-11201415-111621-SG-010	114971	12.68				
180-130105-10 MS	WG-11201415-111621-SG-010 MS	191570	12.68				
180-130105-10 MSD	WG-11201415-111621-SG-010 MSD	196269	12.68				
180-130105-7	WG-11201415-111621-DT-007	115603	12.68				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: ICIS 180-335968/10 Date Analyzed: 11/05/2020 10:53

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 6110510.D Heated Purge: (Y/N) N

Calibration ID: 44597

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		216733	7.31	659614	10.17	137014	13.24
UPPER LIMIT		433466	7.81	1319228	10.67	274028	13.74
LOWER LIMIT		108367	6.81	329807	9.67	68507	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-335968/29		198883	7.31	588302	10.17	111019	13.25

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: ICIS 180-335968/10 Date Analyzed: 11/05/2020 10:53

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 6110510.D Heated Purge: (Y/N) N

Calibration ID: 44597

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		191051	15.63				
UPPER LIMIT		382102	16.13				
LOWER LIMIT		95526	15.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-335968/29		164197	15.64				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: CCVIS 180-380188/2 Date Analyzed: 11/26/2021 13:07

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61126002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		403253	7.31	954836	10.17	205022	13.24
UPPER LIMIT		806506	7.81	1909672	10.67	410044	13.74
LOWER LIMIT		201627	6.81	477418	9.67	102511	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380188/3		422009	7.30	966152	10.16	206020	13.23
MB 180-380188/5		624466	7.31	1177373	10.17	283871	13.24
180-130105-9	WG-11201415-111621-SG-009	190373*3	7.30	1212871	10.17	226549	13.24
180-130105-11	WG-11201415-111621-SG-011	194695*3	7.30	1211683	10.17	222732	13.24

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Sample No.: CCVIS 180-380188/2 Date Analyzed: 11/26/2021 13:07

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61126002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		228500	15.63				
UPPER LIMIT		457000	16.13				
LOWER LIMIT		114250	15.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380188/3		235959	15.62				
MB 180-380188/5		267901	15.63				
180-130105-9	WG-11201415-111621-SG-009	162626	15.63				
180-130105-11	WG-11201415-111621-SG-011	156938	15.63				

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 EPA 624.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-DT-001 Lab Sample ID: 180-130105-1

Matrix: Water Lab File ID: 51121022.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 18:56

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		28-163
460-00-4	4-Bromofluorobenzene (Surr)	67		41-122
2037-26-5	Toluene-d8 (Surr)	94		53-125
1868-53-7	Dibromofluoromethane (Surr)	125		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121022.D
Lims ID: 180-130105-D-1
Client ID: WG-11201415-111521-DT-001
Sample Type: Client
Inject. Date: 21-Nov-2021 18:56:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-022
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:05:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.234	4.243	-0.009	0	132765	1000.0	
* 2 Fluorobenzene (IS)	96	7.245	7.242	0.003	0	430784	50.0	
* 3 Chlorobenzene-d5	119	10.342	10.344	-0.002	0	101750	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.678	12.681	-0.003	0	117648	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.521	6.524	-0.003	0	133025	62.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.889	0.003	0	169339	58.7	
$ 7 Toluene-d8 (Surr)	98	8.894	8.891	0.003	0	362271	47.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.528	11.519	0.009	0	97531	33.6	
13 Vinyl chloride	62		1.919				ND	
45 cis-1,2-Dichloroethene	96		5.910				ND	
53 1,1,1-Trichloroethane	97		6.488				ND	
64 Trichloroethene	130		7.631				ND	
76 Toluene	91		8.957				ND	U

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

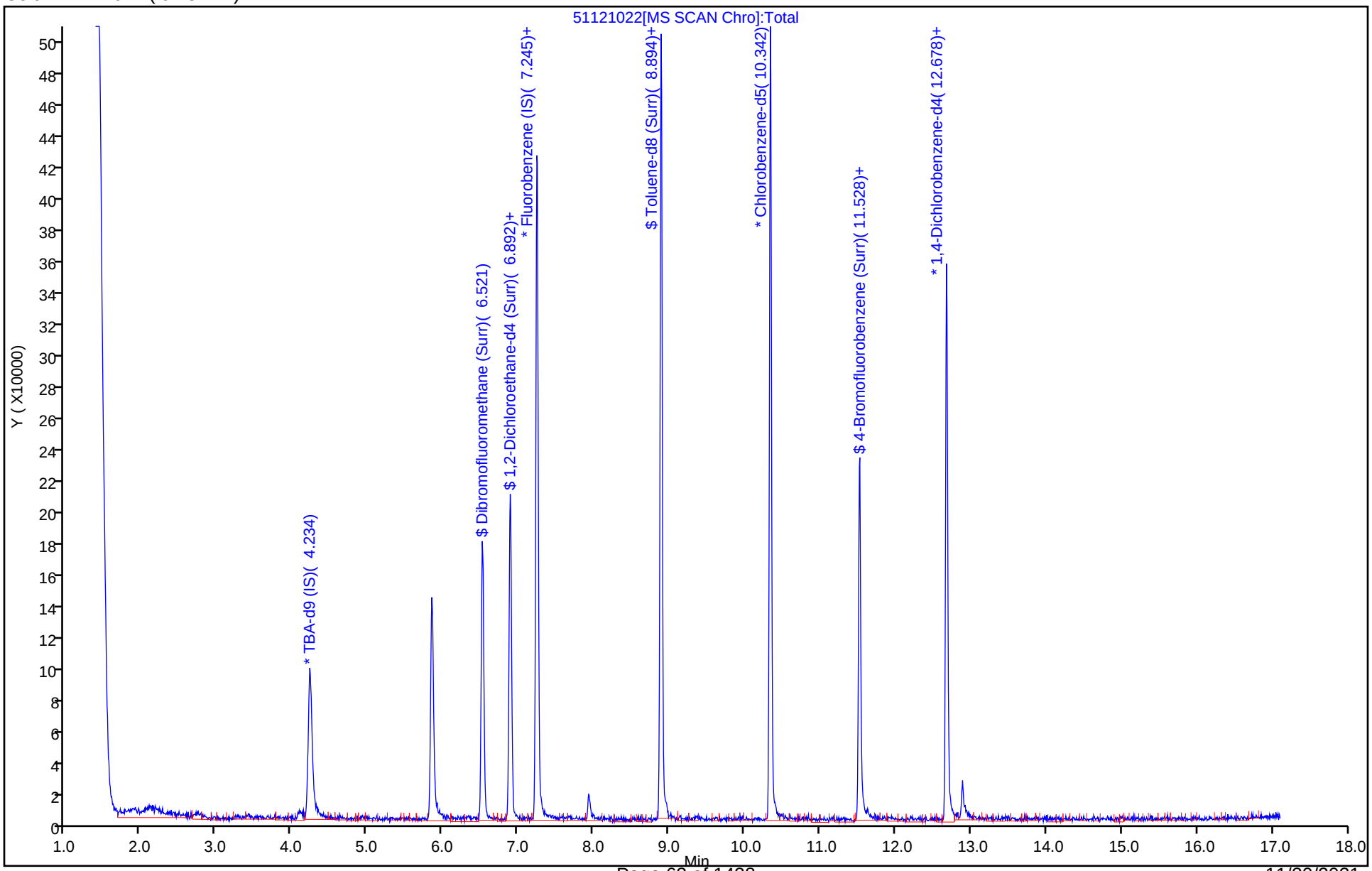
Report Date: 22-Nov-2021 11:09:40 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121022.D

Injection Date:	21-Nov-2021 18:56:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-1	Lab Sample ID:	180-130105-1	Worklist Smp#:	22
Client ID:	WG-11201415-111521-DT-001				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



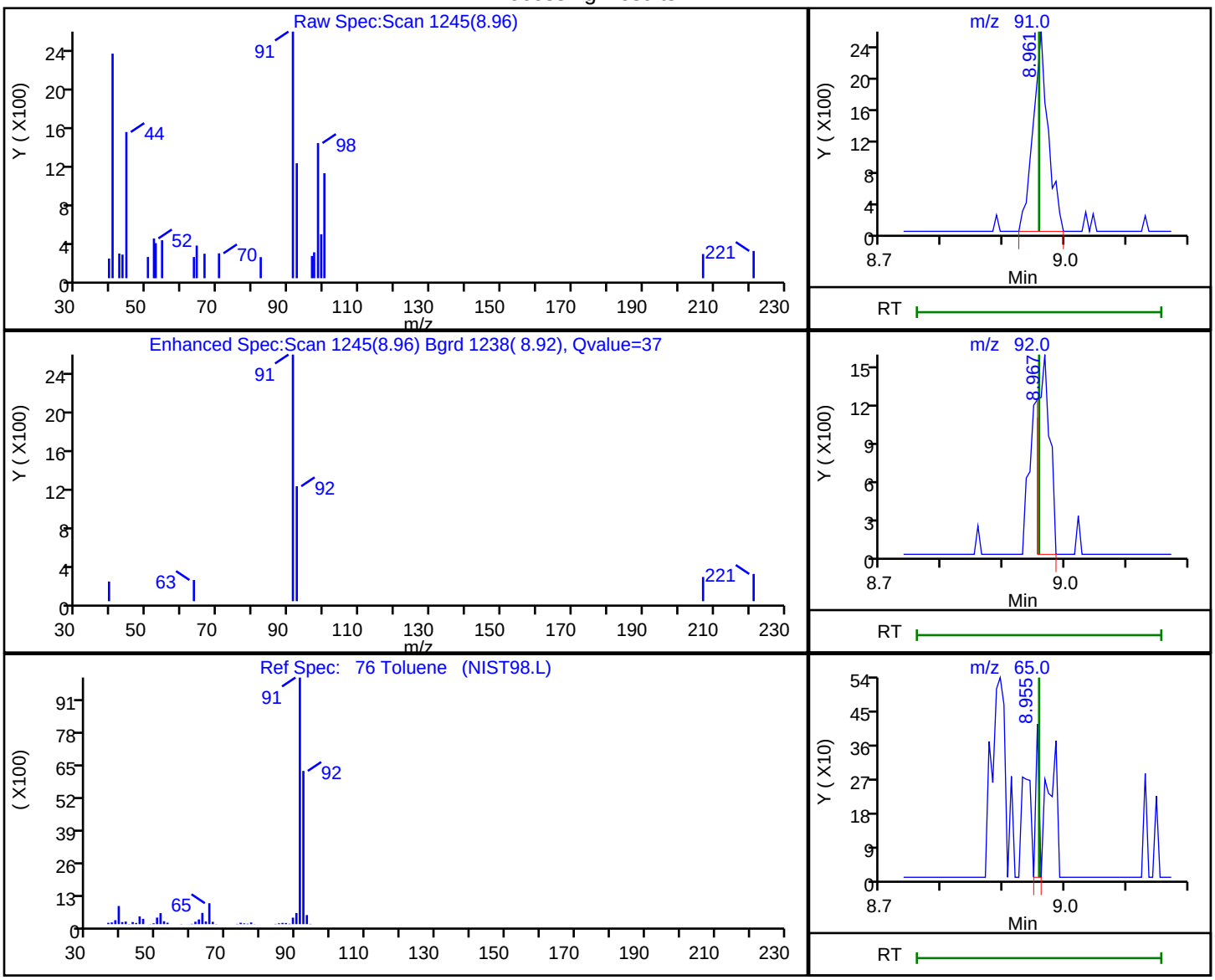
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121022.D				
Injection Date:	21-Nov-2021 18:56:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-1	Lab Sample ID:	180-130105-1		
Client ID:	WG-11201415-111521-DT-001				
Operator ID:	034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
8.96	91.00	4400	0.446126
8.97	92.00	2078	
8.95	65.00	151	

Reviewer: journetp, 22-Nov-2021 11:05:32

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-SG-002 Lab Sample ID: 180-130105-2

Matrix: Water Lab File ID: 51121023.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 09:25

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 19:22

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	124		28-163
460-00-4	4-Bromofluorobenzene (Surr)	64		41-122
2037-26-5	Toluene-d8 (Surr)	101		53-125
1868-53-7	Dibromofluoromethane (Surr)	133		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121023.D
Lims ID: 180-130105-D-2
Client ID: WG-11201415-111521-SG-002
Sample Type: Client
Inject. Date: 21-Nov-2021 19:22:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-023
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:05:50

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	4.239	4.243	-0.004	0	87386	1000.0	
*	2 Fluorobenzene (IS)	96	7.245	7.242	0.003	0	349259	50.0	
*	3 Chlorobenzene-d5	119	10.347	10.344	0.003	0	108184	50.0	
*	4 1,4-Dichlorobenzene-d4	152	12.677	12.681	-0.004	0	106013	50.0	
$	5 Dibromofluoromethane (Surr)	113	6.521	6.524	-0.003	0	114575	66.5	
$	6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.889	0.003	0	145274	62.1	
$	7 Toluene-d8 (Surr)	98	8.893	8.891	0.002	0	414438	50.7	
$	8 4-Bromofluorobenzene (Surr)	95	11.521	11.519	0.002	0	98992	32.1	
	13 Vinyl chloride	62		1.919				ND	
	45 cis-1,2-Dichloroethene	96	5.918	5.910	0.008	1	1488	0.7215	
	53 1,1,1-Trichloroethane	97		6.488				ND	
	64 Trichloroethene	130	7.634	7.631	0.003	70	5057	2.56	
	76 Toluene	91		8.957				ND	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00127 Amount Added: 2.00 Units: uL Run Reagent

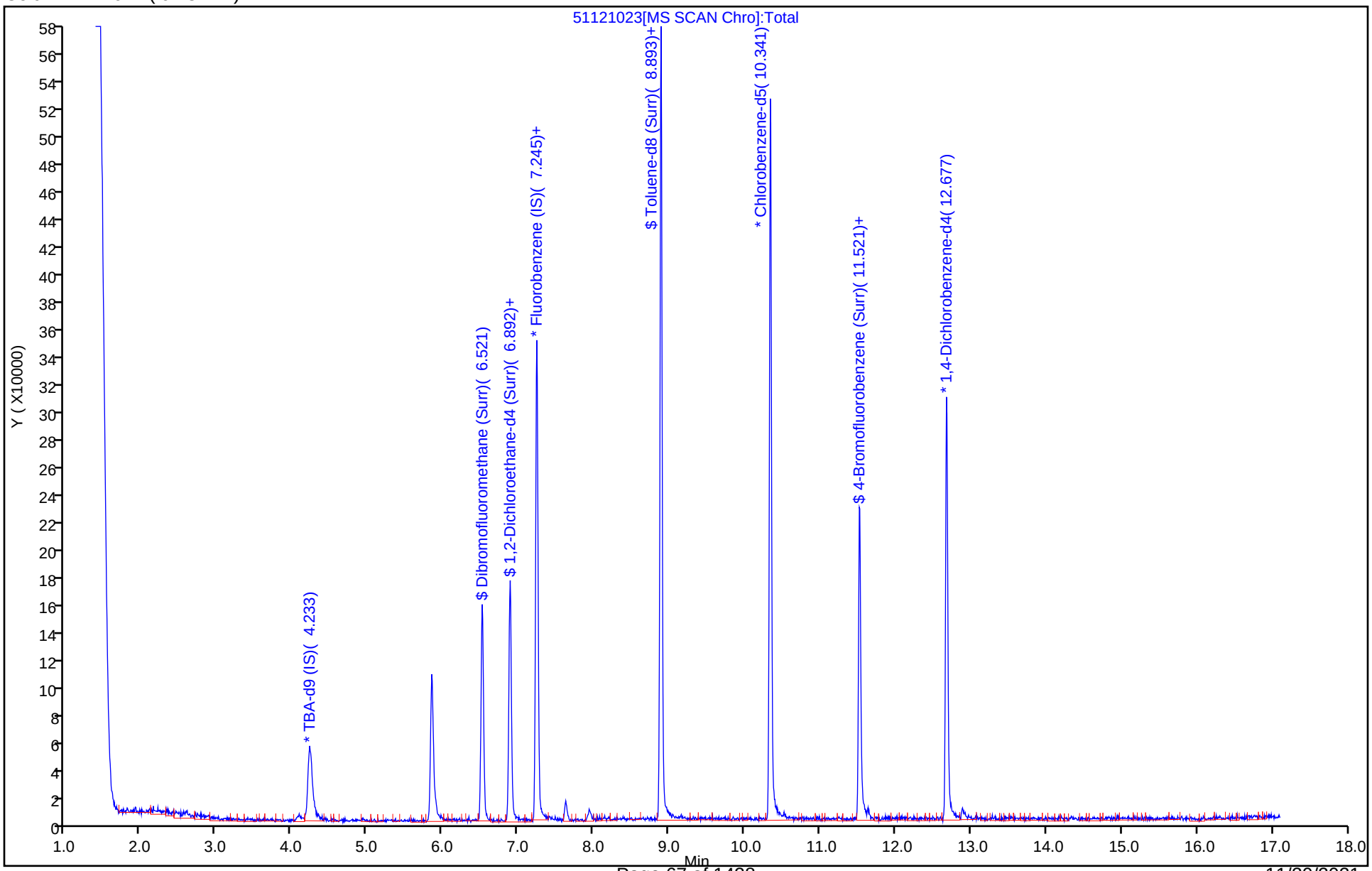
Report Date: 22-Nov-2021 11:09:41 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121023.D

Injection Date:	21-Nov-2021 19:22:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-2	Lab Sample ID:	180-130105-2	Worklist Smp#:	23
Client ID:	WG-11201415-111521-SG-002				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-DT-003 Lab Sample ID: 180-130105-3

Matrix: Water Lab File ID: 51121024.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 12:35

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 19:47

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	1.8		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	0.71	J	1.0	0.69
75-01-4	Vinyl chloride	0.88	J	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		28-163
460-00-4	4-Bromofluorobenzene (Surr)	66		41-122
2037-26-5	Toluene-d8 (Surr)	98		53-125
1868-53-7	Dibromofluoromethane (Surr)	121		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121024.D
Lims ID: 180-130105-D-3
Client ID: WG-11201415-111521-DT-003
Sample Type: Client
Inject. Date: 21-Nov-2021 19:47:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-024
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:05:56

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	4.235	4.243	-0.008	0	120835	1000.0	
*	2 Fluorobenzene (IS)	96	7.246	7.242	0.004	0	442447	50.0	
*	3 Chlorobenzene-d5	119	10.343	10.344	-0.001	0	99214	50.0	
*	4 1,4-Dichlorobenzene-d4	152	12.685	12.681	0.004	0	104562	50.0	
$	5 Dibromofluoromethane (Surr)	113	6.516	6.524	-0.008	0	131657	60.3	
$	6 1,2-Dichloroethane-d4 (Surr)	65	6.888	6.889	-0.001	0	165945	56.0	
$	7 Toluene-d8 (Surr)	98	8.895	8.891	0.004	0	365721	48.8	
$	8 4-Bromofluorobenzene (Surr)	95	11.523	11.519	0.004	0	92852	32.8	
	13 Vinyl chloride	62	1.930	1.919	0.011	0	12974	4.41	
	45 cis-1,2-Dichloroethene	96	5.908	5.910	-0.002	64	22912	8.77	
	53 1,1,1-Trichloroethane	97		6.488				ND	
	64 Trichloroethene	130	7.636	7.631	0.005	77	8936	3.57	
	76 Toluene	91		8.957				ND	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00127 Amount Added: 2.00 Units: uL Run Reagent

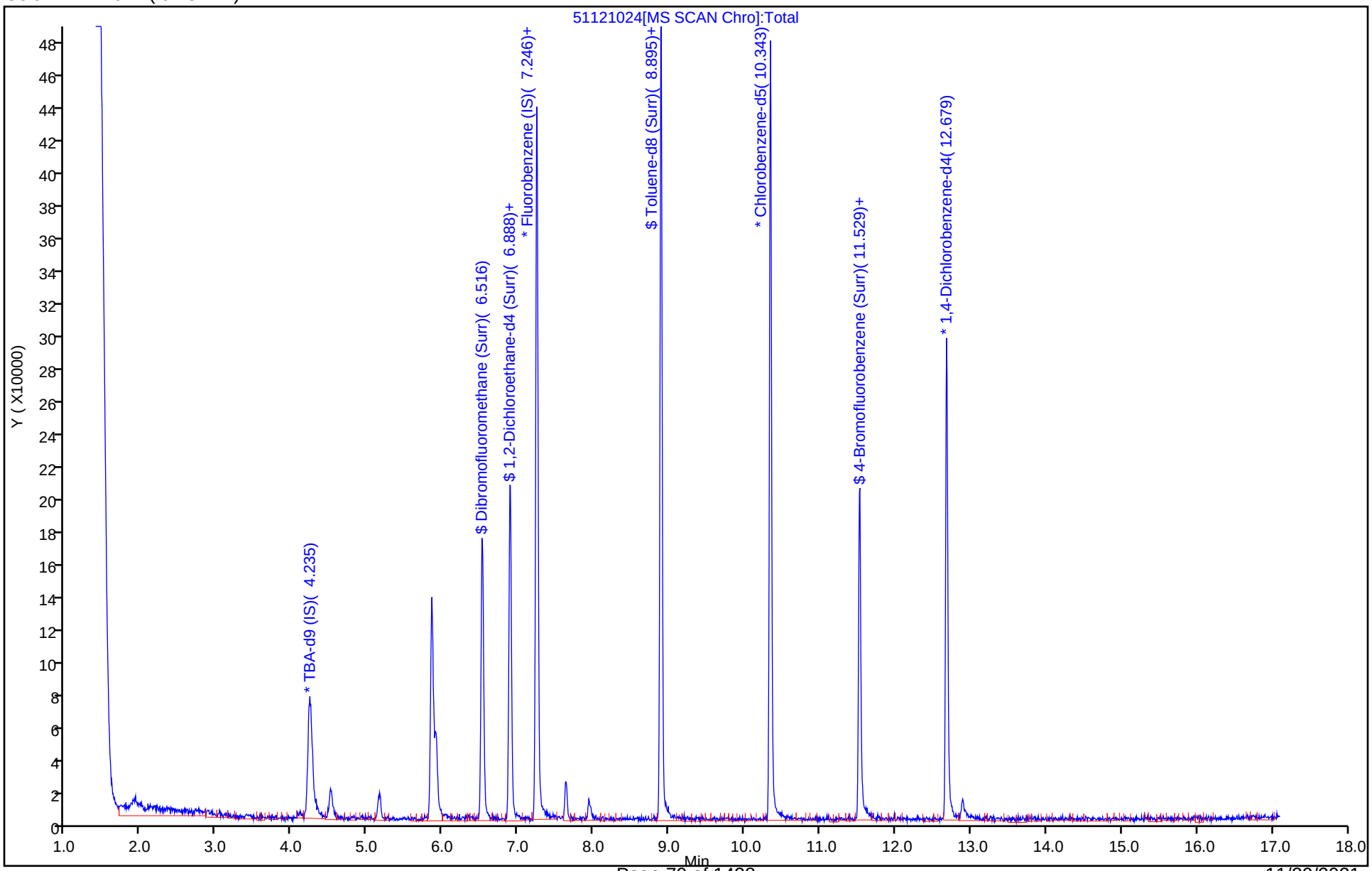
Report Date: 22-Nov-2021 11:09:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121024.D

Injection Date:	21-Nov-2021 19:47:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-3	Lab Sample ID:	180-130105-3	Worklist Smp#:	24
Client ID:	WG-11201415-111521-DT-003				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

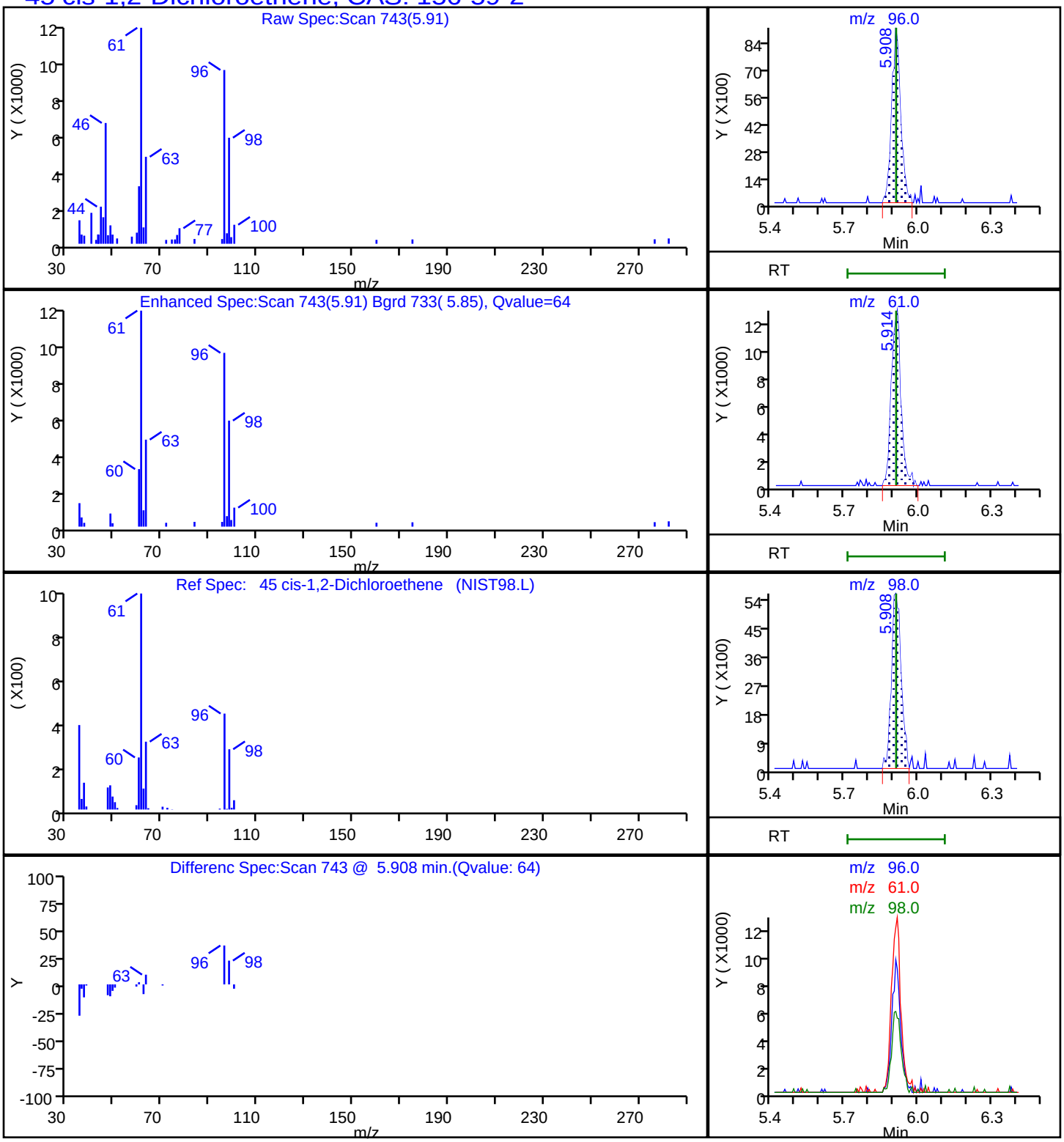
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121024.D				
Injection Date:	21-Nov-2021 19:47:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-3	Lab Sample ID:	180-130105-3		
Client ID:	WG-11201415-111521-DT-003				
Operator ID:	034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

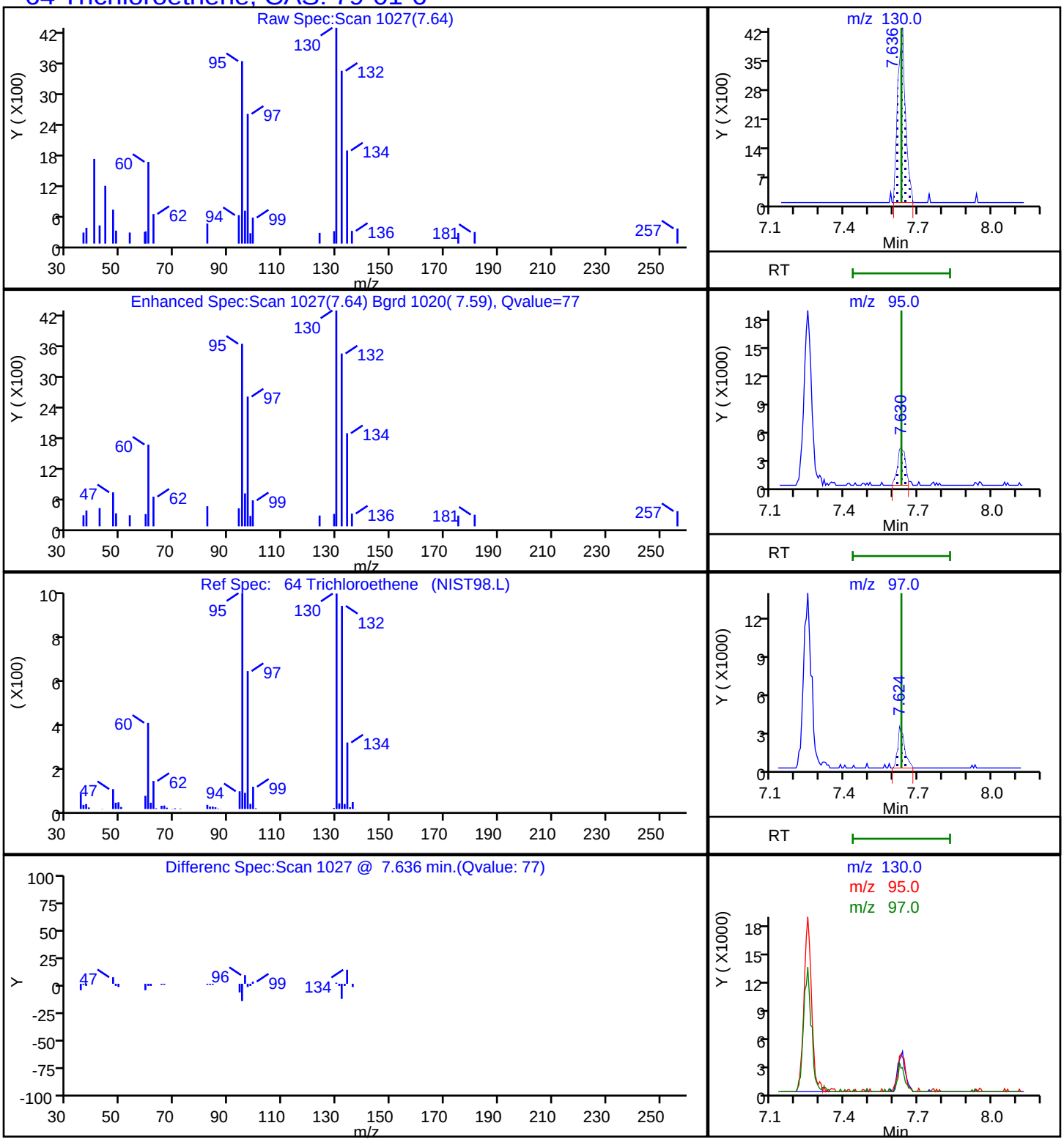
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121024.D		
Injection Date:	21-Nov-2021 19:47:30	Instrument ID:	CHHP5
Lims ID:	180-130105-D-3	Lab Sample ID:	180-130105-3
Client ID:	WG-11201415-111521-DT-003		
Operator ID:	034635	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

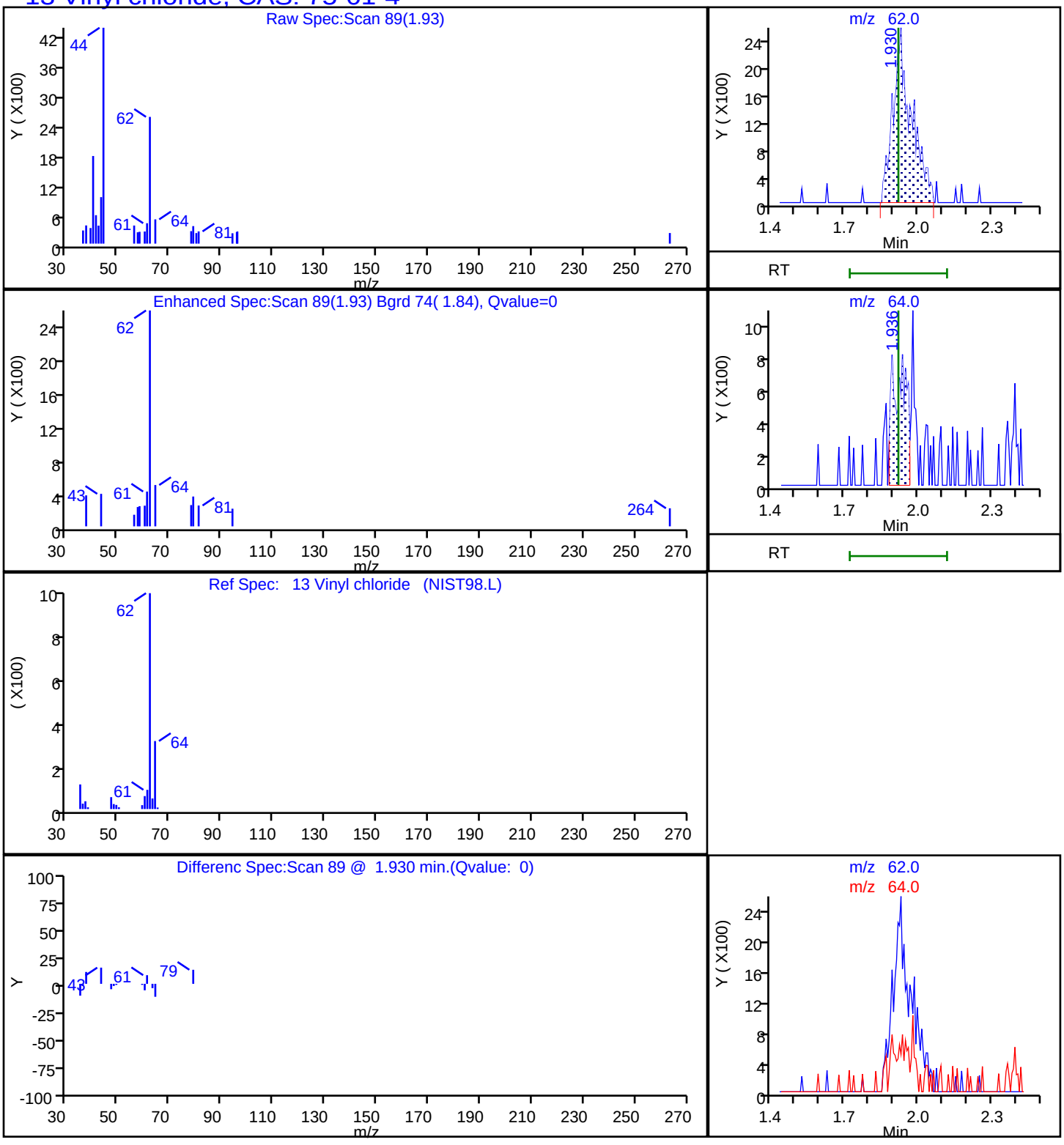
64 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121024.D				
Injection Date:	21-Nov-2021 19:47:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-3	Lab Sample ID:	180-130105-3		
Client ID:	WG-11201415-111521-DT-003				
Operator ID:	034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-SG-004 Lab Sample ID: 180-130105-4

Matrix: Water Lab File ID: 51121025.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 09:25

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 20:12

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		28-163
460-00-4	4-Bromofluorobenzene (Surr)	61		41-122
2037-26-5	Toluene-d8 (Surr)	92		53-125
1868-53-7	Dibromofluoromethane (Surr)	124		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121025.D
Lims ID: 180-130105-D-4
Client ID: WG-11201415-111521-SG-004
Sample Type: Client
Inject. Date: 21-Nov-2021 20:12:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-025
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:06:03

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	4.234	4.243	-0.009	0	135583	1000.0	
*	2 Fluorobenzene (IS)	96	7.245	7.242	0.003	0	472940	50.0	
*	3 Chlorobenzene-d5	119	10.342	10.344	-0.002	0	114106	50.0	
*	4 1,4-Dichlorobenzene-d4	152	12.678	12.681	-0.003	0	118390	50.0	
$	5 Dibromofluoromethane (Surr)	113	6.521	6.524	-0.003	0	144233	61.8	
$	6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.889	0.003	0	185768	58.6	
$	7 Toluene-d8 (Surr)	98	8.894	8.891	0.003	0	394438	45.8	
$	8 4-Bromofluorobenzene (Surr)	95	11.522	11.519	0.003	0	98865	30.4	
	13 Vinyl chloride	62		1.919				ND	
	45 cis-1,2-Dichloroethene	96		5.910				ND	U
	53 1,1,1-Trichloroethane	97		6.488				ND	
	64 Trichloroethene	130	7.635	7.631	0.004	68	6889	2.57	
	76 Toluene	91		8.957				ND	

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected

Reagents:

VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added: 2.00	Units: uL	Run Reagent

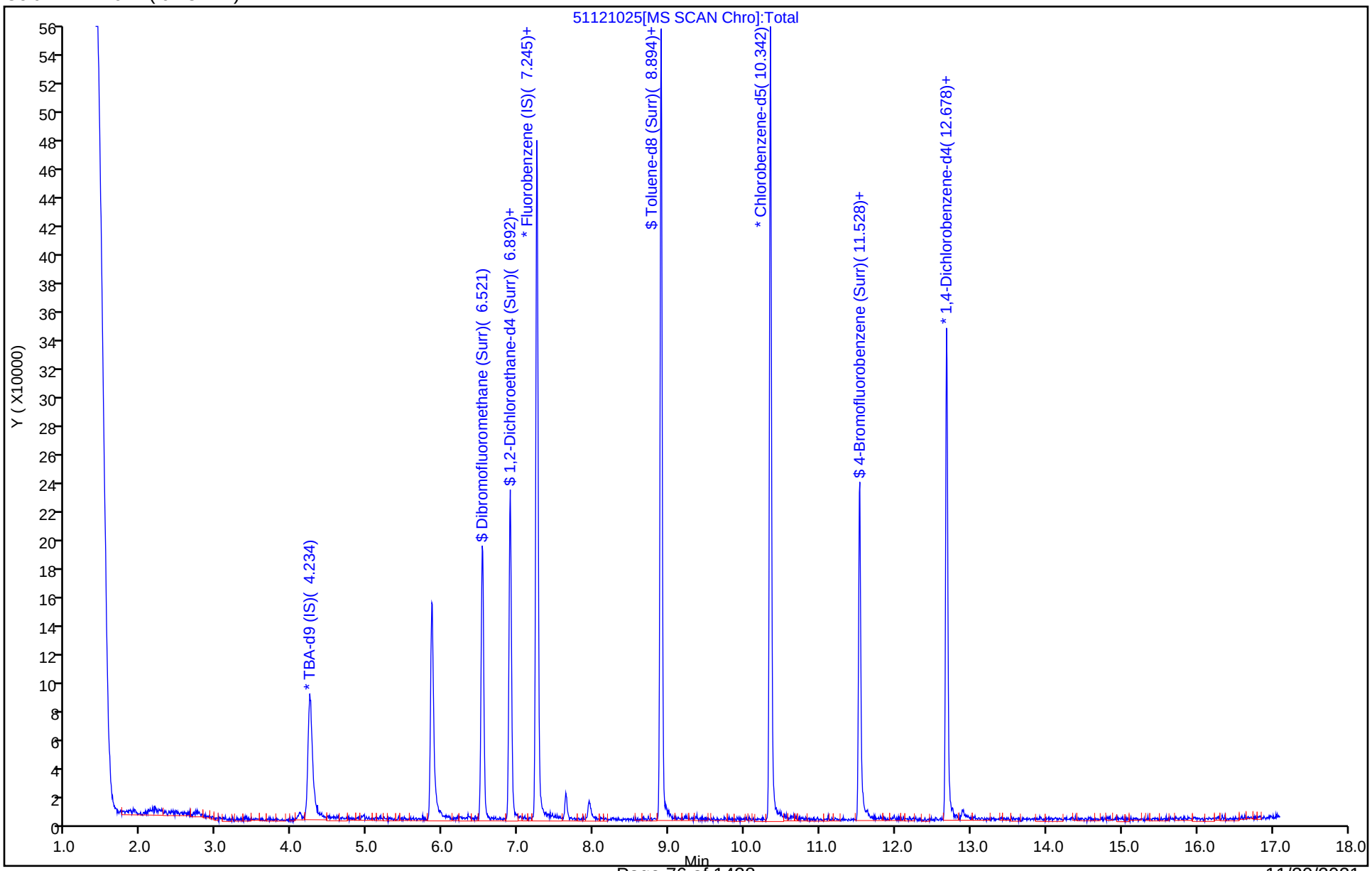
Report Date: 22-Nov-2021 11:09:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121025.D

Injection Date:	21-Nov-2021 20:12:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-4	Lab Sample ID:	180-130105-4	Worklist Smp#:	25
Client ID:	WG-11201415-111521-SG-004				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



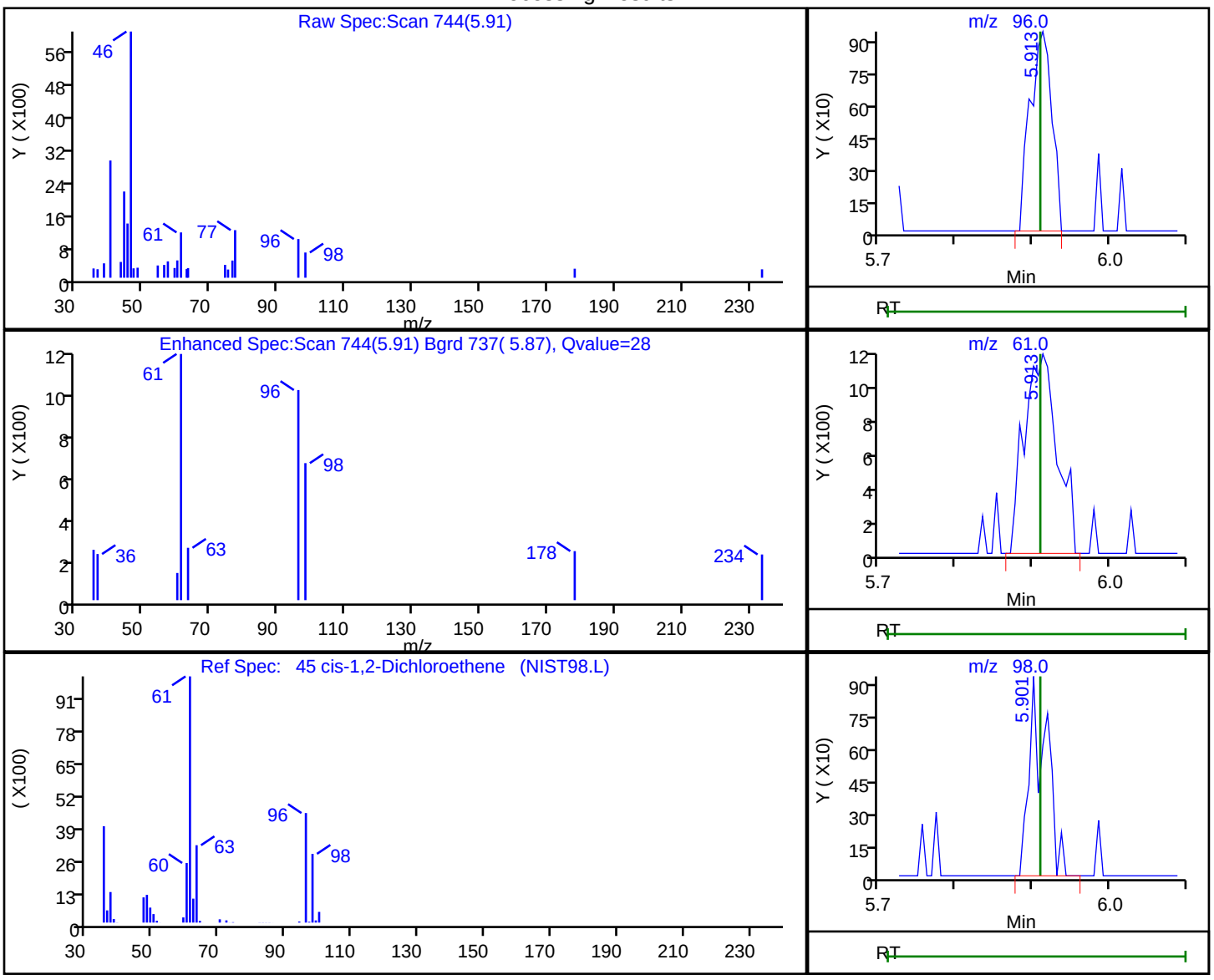
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121025.D				
Injection Date:	21-Nov-2021 20:12:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-4	Lab Sample ID:	180-130105-4		
Client ID:	WG-11201415-111521-SG-004				
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.91	96.00	1877	0.672153
5.91	61.00	3319	
5.90	98.00	1501	

Reviewer: journetp, 22-Nov-2021 11:06:00

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-DT-005 Lab Sample ID: 180-130105-5

Matrix: Water Lab File ID: 51121026.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 20:37

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		28-163
460-00-4	4-Bromofluorobenzene (Surr)	54		41-122
2037-26-5	Toluene-d8 (Surr)	83		53-125
1868-53-7	Dibromofluoromethane (Surr)	111		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121026.D
Lims ID: 180-130105-D-5
Client ID: WG-11201415-111621-DT-005
Sample Type: Client
Inject. Date: 21-Nov-2021 20:37:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-026
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 06:59:59

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	4.228	4.243	-0.015	0	100478	1000.0	
*	2 Fluorobenzene (IS)	96	7.246	7.242	0.004	0	360322	50.0	
*	3 Chlorobenzene-d5	119	10.348	10.344	0.004	0	81369	50.0	
*	4 1,4-Dichlorobenzene-d4	152	12.678	12.681	-0.003	94	81252	50.0	s
$	5 Dibromofluoromethane (Surr)	113	6.522	6.524	-0.002	0	98536	55.4	
$	6 1,2-Dichloroethane-d4 (Surr)	65	6.893	6.889	0.004	0	123743	51.3	
$	7 Toluene-d8 (Surr)	98	8.894	8.891	0.003	0	255615	41.6	
$	8 4-Bromofluorobenzene (Surr)	95	11.523	11.519	0.003	0	63280	27.2	
	13 Vinyl chloride	62		1.919				ND	
	45 cis-1,2-Dichloroethene	96		5.910				ND	
	53 1,1,1-Trichloroethane	97		6.488				ND	
	64 Trichloroethene	130		7.631				ND	
	76 Toluene	91		8.957				ND	U

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
Review Flags
U - Marked Undetected

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00127 Amount Added: 2.00 Units: uL Run Reagent

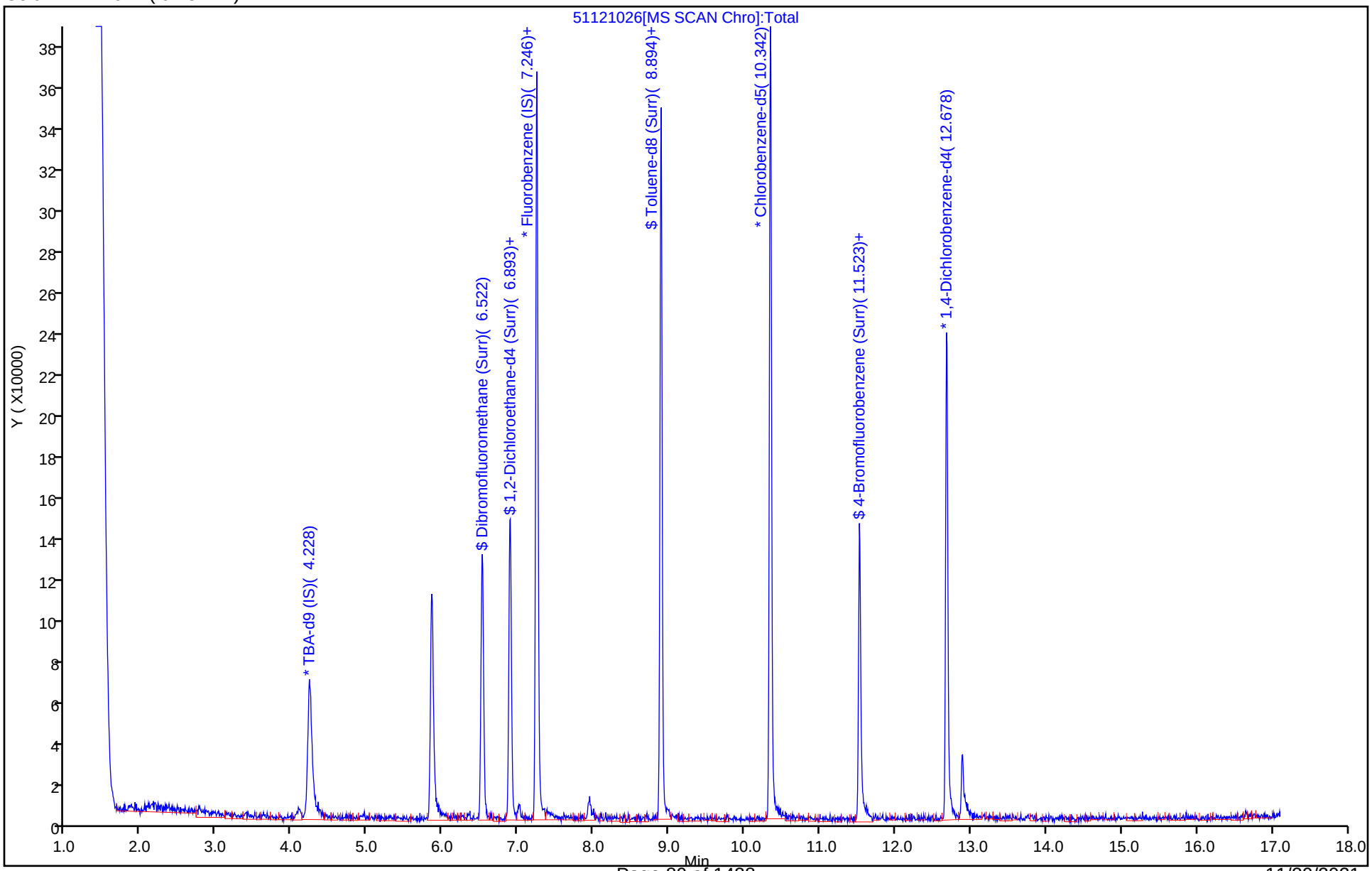
Report Date: 22-Nov-2021 11:09:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121026.D

Injection Date:	21-Nov-2021 20:37:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-5	Lab Sample ID:	180-130105-5	Worklist Smp#:	26
Client ID:	WG-11201415-111621-DT-005				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



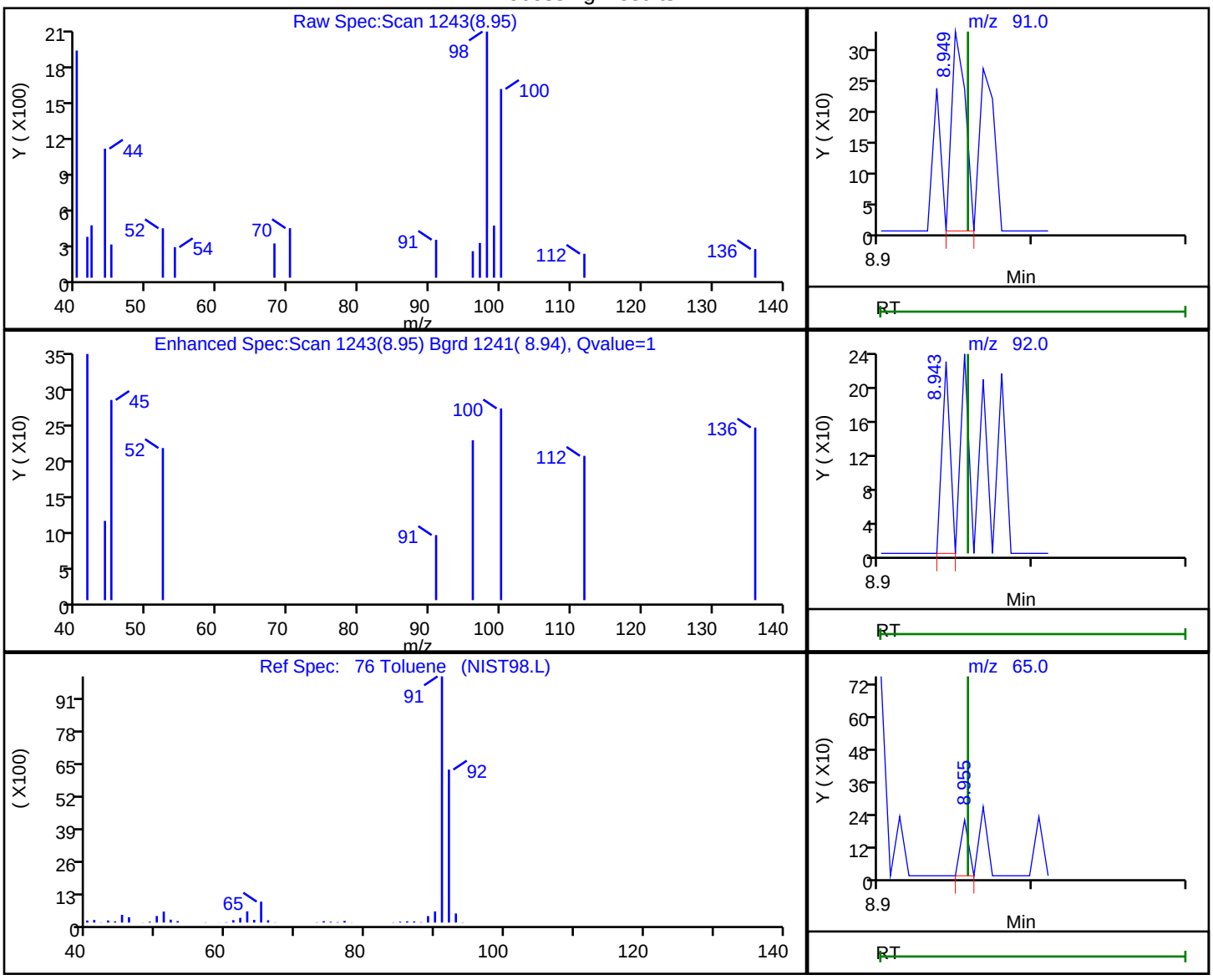
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121026.D				
Injection Date:	21-Nov-2021 20:37:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-5	Lab Sample ID:	180-130105-5		
Client ID:	WG-11201415-111621-DT-005				
Operator ID:	034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
8.95	91.00	202	0.025611
8.94	92.00	82	
8.96	65.00	76	

Reviewer: journetp, 22-Nov-2021 11:06:06

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-SG-006 Lab Sample ID: 180-130105-6

Matrix: Water Lab File ID: 51121027.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 21:01

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		28-163
460-00-4	4-Bromofluorobenzene (Surr)	54		41-122
2037-26-5	Toluene-d8 (Surr)	75		53-125
1868-53-7	Dibromofluoromethane (Surr)	113		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121027.D
Lims ID: 180-130105-D-6
Client ID: WG-11201415-111521-SG-006
Sample Type: Client
Inject. Date: 21-Nov-2021 21:01:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-027
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.242	4.243	-0.001	0	91063	1000.0	
* 2 Fluorobenzene (IS)	96	7.248	7.242	0.006	0	382922	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	90574	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.680	12.681	-0.001	0	101136	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	107194	56.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.895	6.889	0.006	0	138376	53.9	
$ 7 Toluene-d8 (Surr)	98	8.896	8.891	0.005	0	258110	37.7	
$ 8 4-Bromofluorobenzene (Surr)	95	11.524	11.519	0.005	0	69492	26.9	
13 Vinyl chloride	62		1.919				ND	
45 cis-1,2-Dichloroethene	96		5.910				ND	
53 1,1,1-Trichloroethane	97		6.488				ND	
64 Trichloroethene	130		7.631				ND	
76 Toluene	91		8.957				ND	

Reagents:

VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added: 2.00	Units: uL	Run Reagent

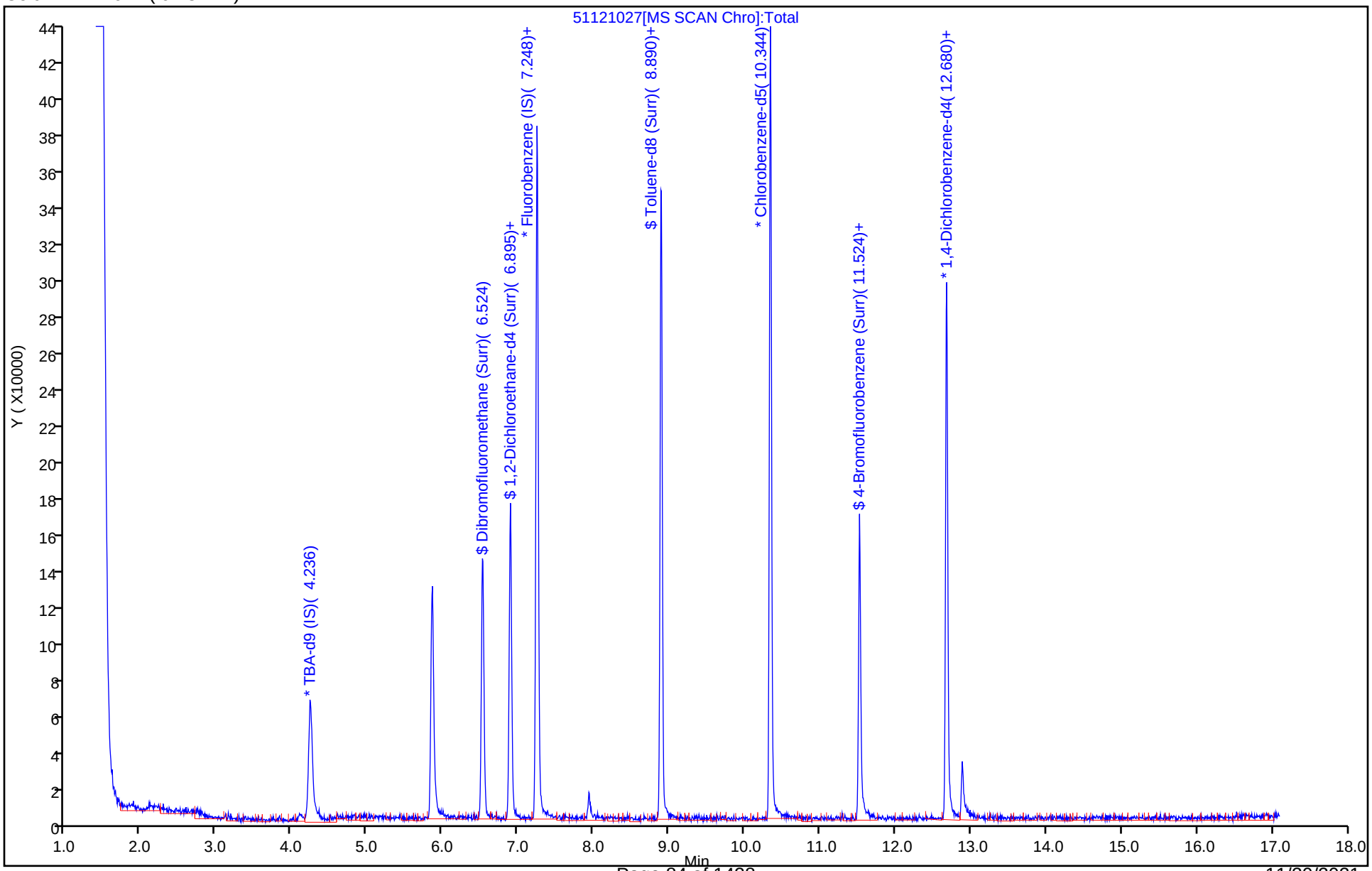
Report Date: 22-Nov-2021 11:09:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121027.D

Injection Date:	21-Nov-2021 21:01:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-6	Lab Sample ID:	180-130105-6	Worklist Smp#:	27
Client ID:	WG-11201415-111521-SG-006				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-DT-007 Lab Sample ID: 180-130105-7

Matrix: Water Lab File ID: 51121032.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 10:45

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 23:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		28-163
460-00-4	4-Bromofluorobenzene (Surr)	68		41-122
2037-26-5	Toluene-d8 (Surr)	103		53-125
1868-53-7	Dibromofluoromethane (Surr)	122		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121032.D
Lims ID: 180-130105-D-7
Client ID: WG-11201415-111621-DT-007
Sample Type: Client
Inject. Date: 21-Nov-2021 23:05:30 ALS Bottle#: 32 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-032
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:07:36

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	4.236	4.243	-0.007	0	136188	1000.0	
*	2 Fluorobenzene (IS)	96	7.248	7.242	0.006	0	464676	50.0	
*	3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	104990	50.0	
*	4 1,4-Dichlorobenzene-d4	152	12.680	12.681	-0.001	0	115603	50.0	
$	5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	139859	61.0	
$	6 1,2-Dichloroethane-d4 (Surr)	65	6.895	6.889	0.006	0	185226	59.5	
$	7 Toluene-d8 (Surr)	98	8.890	8.891	-0.001	0	409307	51.6	
$	8 4-Bromofluorobenzene (Surr)	95	11.524	11.519	0.005	0	101155	33.8	
	13 Vinyl chloride	62		1.919				ND	
	45 cis-1,2-Dichloroethene	96		5.910				ND	
	53 1,1,1-Trichloroethane	97		6.488				ND	
	64 Trichloroethene	130		7.631				ND	U
	76 Toluene	91		8.957				ND	

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected

Reagents:

VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added: 2.00	Units: uL	Run Reagent

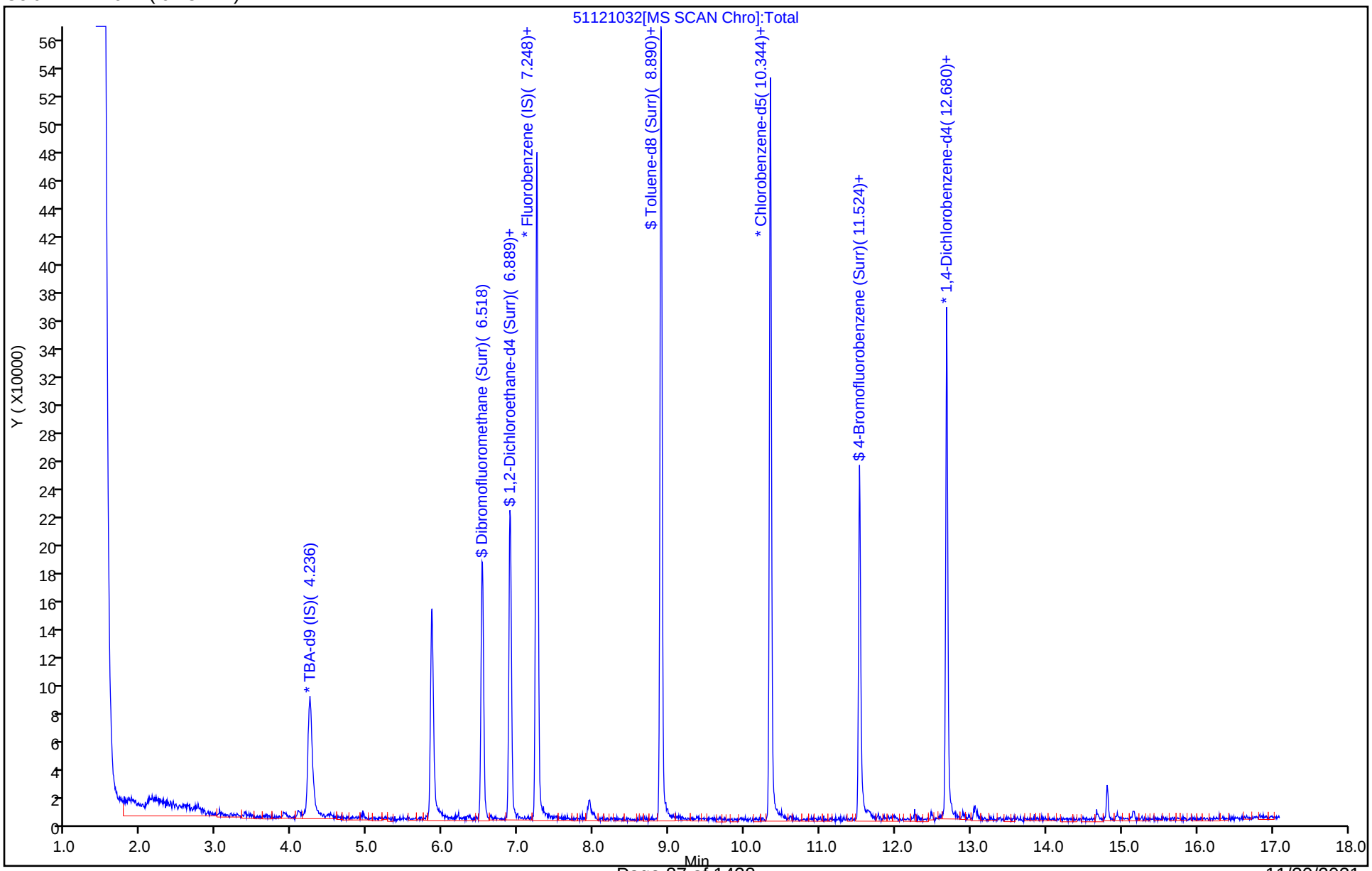
Report Date: 22-Nov-2021 11:09:49 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121032.D

Injection Date:	21-Nov-2021 23:05:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-7	Lab Sample ID:	180-130105-7	Worklist Smp#:	32
Client ID:	WG-11201415-111621-DT-007				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



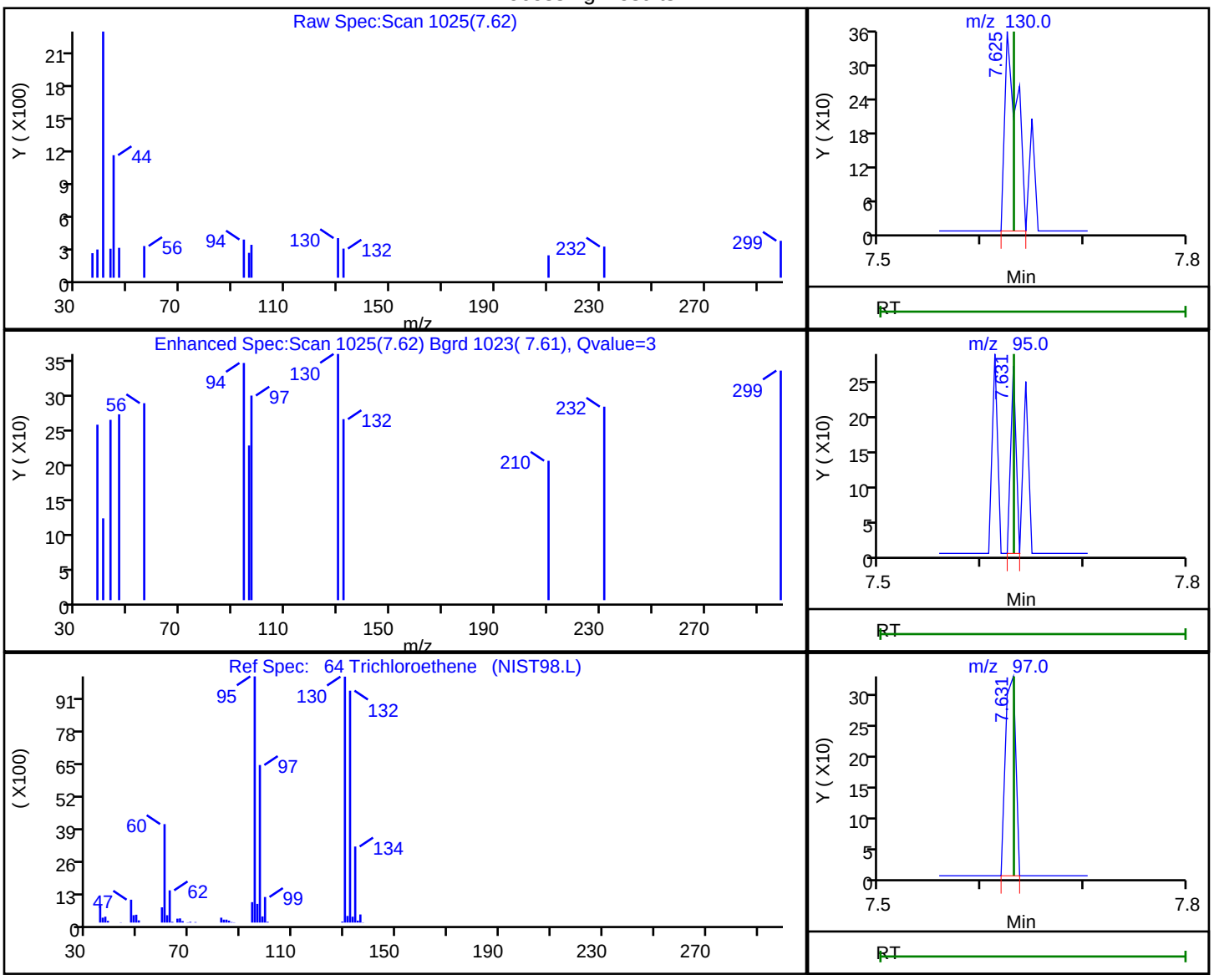
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121032.D				
Injection Date:	21-Nov-2021 23:05:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-7	Lab Sample ID:	180-130105-7		
Client ID:	WG-11201415-111621-DT-007				
Operator ID:	034635	ALS Bottle#:	32	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

64 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
7.62	130.00	298	0.113361
7.63	95.00	97	
7.63	97.00	226	

Reviewer: journetp, 22-Nov-2021 11:07:31

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111521-SG-008 Lab Sample ID: 180-130105-8

Matrix: Water Lab File ID: 51121021.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 12:30

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 18:32

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		28-163
460-00-4	4-Bromofluorobenzene (Surr)	62		41-122
2037-26-5	Toluene-d8 (Surr)	92		53-125
1868-53-7	Dibromofluoromethane (Surr)	128		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121021.D
Lims ID: 180-130105-D-8
Client ID: WG-11201415-111521-SG-008
Sample Type: Client
Inject. Date: 21-Nov-2021 18:32:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-021
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:05:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.242	4.243	-0.001	0	171881	1000.0	
* 2 Fluorobenzene (IS)	96	7.248	7.242	0.006	0	477318	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	113828	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.680	12.681	-0.001	0	119645	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	151018	64.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	192875	60.3	
$ 7 Toluene-d8 (Surr)	98	8.890	8.891	-0.001	0	395491	46.0	
$ 8 4-Bromofluorobenzene (Surr)	95	11.524	11.519	0.005	0	101096	31.1	
13 Vinyl chloride	62		1.919				ND	U
45 cis-1,2-Dichloroethene	96	5.909	5.910	-0.001	14	4968	1.76	
53 1,1,1-Trichloroethane	97		6.488				ND	
64 Trichloroethene	130		7.631				ND	
76 Toluene	91		8.957				ND	

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected

Reagents:

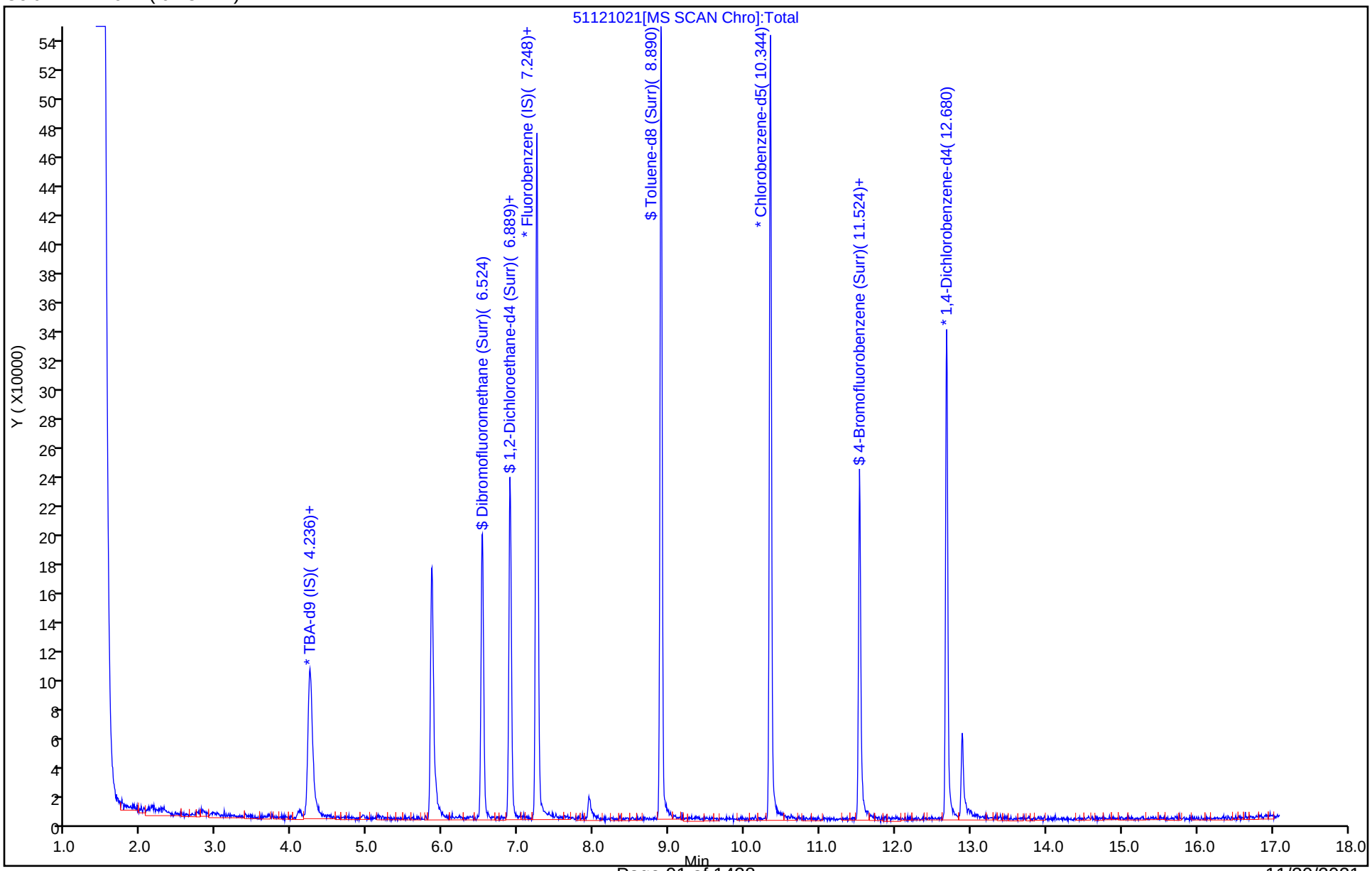
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 22-Nov-2021 11:09:40 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121021.D				
Injection Date:	21-Nov-2021 18:32:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-8	Lab Sample ID:	180-130105-8	Worklist Smp#:	21
Client ID:	WG-11201415-111521-SG-008				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



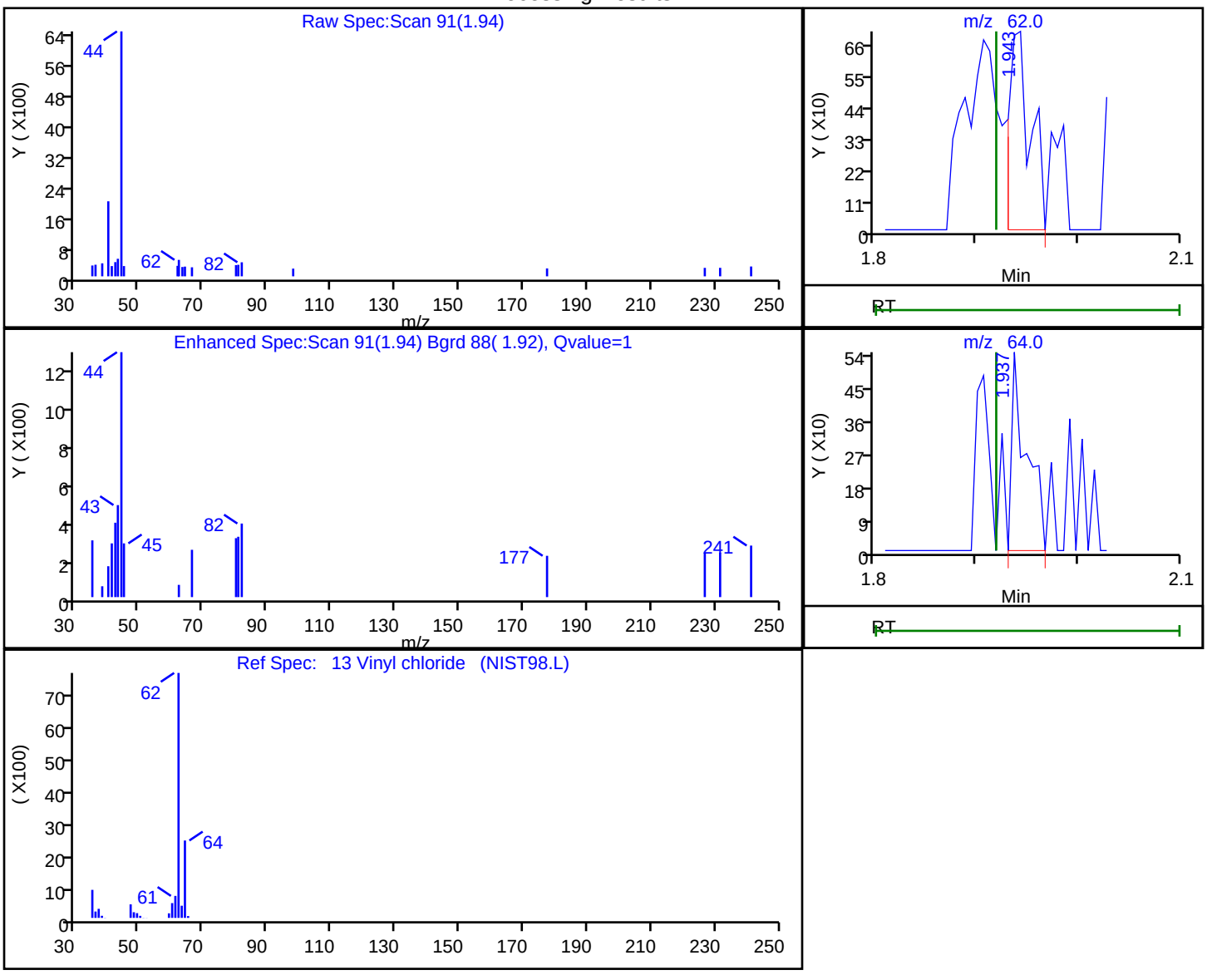
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121021.D				
Injection Date:	21-Nov-2021 18:32:30	Instrument ID:	CHHP5		
Lims ID:	180-130105-D-8	Lab Sample ID:	180-130105-8		
Client ID:	WG-11201415-111521-SG-008				
Operator ID:	034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.94	62.00	1023	0.322059
1.94	64.00	555	

Reviewer: journetp, 22-Nov-2021 11:05:21

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-SG-009 Lab Sample ID: 180-130105-9

Matrix: Water Lab File ID: 61126019.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 12:50

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 21:29

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*-	1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	59		28-163
460-00-4	4-Bromofluorobenzene (Surr)	59		41-122
2037-26-5	Toluene-d8 (Surr)	97		53-125
1868-53-7	Dibromofluoromethane (Surr)	96		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126019.D
Lims ID: 180-130105-C-9
Client ID: WG-11201415-111621-SG-009
Sample Type: Client
Inject. Date: 26-Nov-2021 21:29:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-019
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 27-Nov-2021 15:46:42

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	7.301	7.306	-0.005	56	190373	1000.0	s
*	2 Fluorobenzene (IS)	96	10.166	10.165	0.001	35	1212871	50.0	
*	3 Chlorobenzene-d5	119	13.238	13.237	0.001	30	226549	50.0	
*	4 1,4-Dichlorobenzene-d4	152	15.629	15.628	0.001	29	162626	50.0	
$	5 Dibromofluoromethane (Surr)	113	9.448	9.447	0.001	47	246176	47.9	
$	6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.830	-0.005	47	234003	29.3	
$	7 Toluene-d8 (Surr)	98	11.772	11.765	0.007	41	988169	48.7	
$	8 4-Bromofluorobenzene (Surr)	95	14.418	14.411	0.007	37	198760	29.5	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

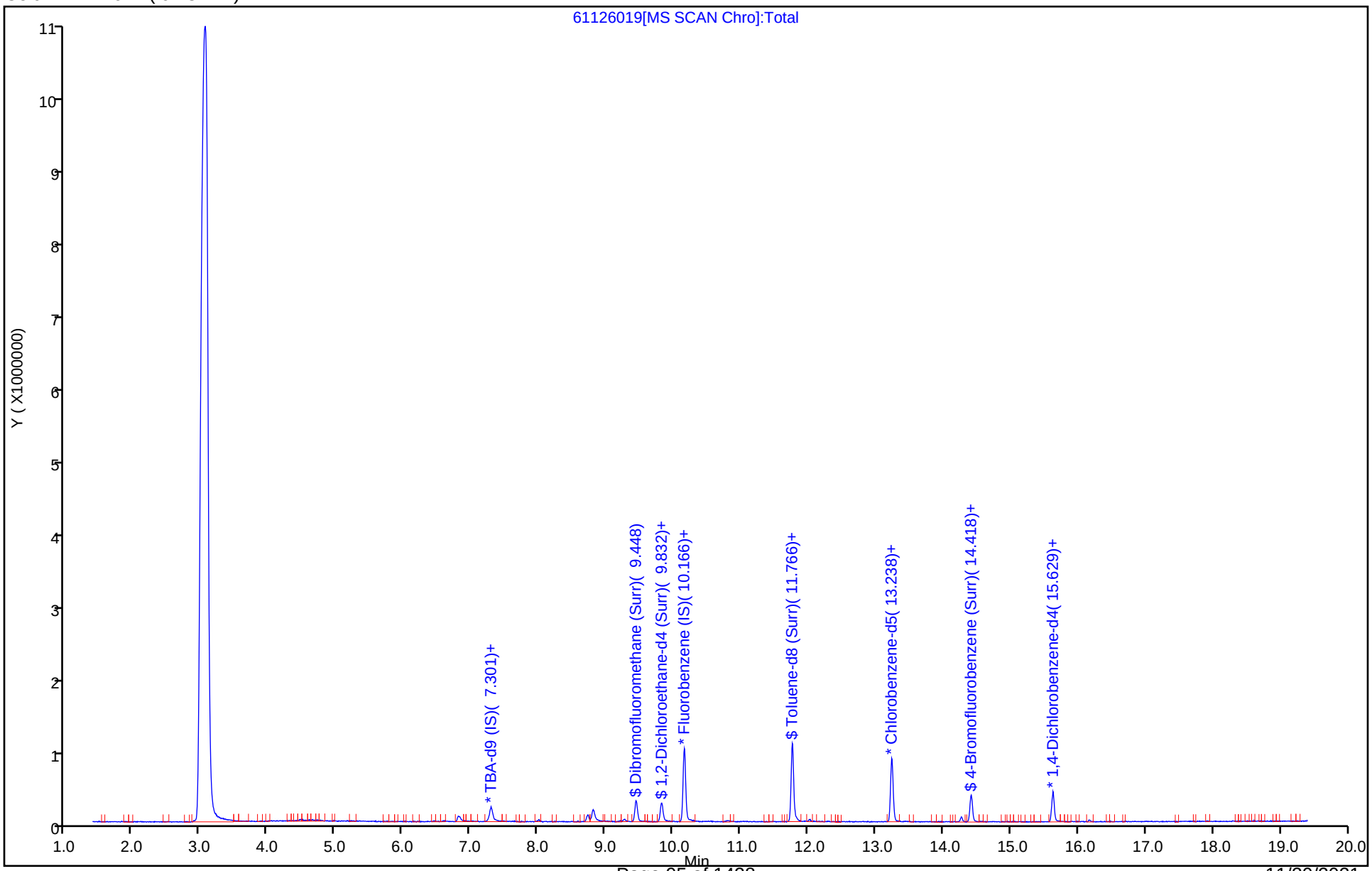
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 27-Nov-2021 15:48:30 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126019.D				
Injection Date:	26-Nov-2021 21:29:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130105-C-9	Lab Sample ID:	180-130105-9	Worklist Smp#:	19
Client ID:	WG-11201415-111621-SG-009				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



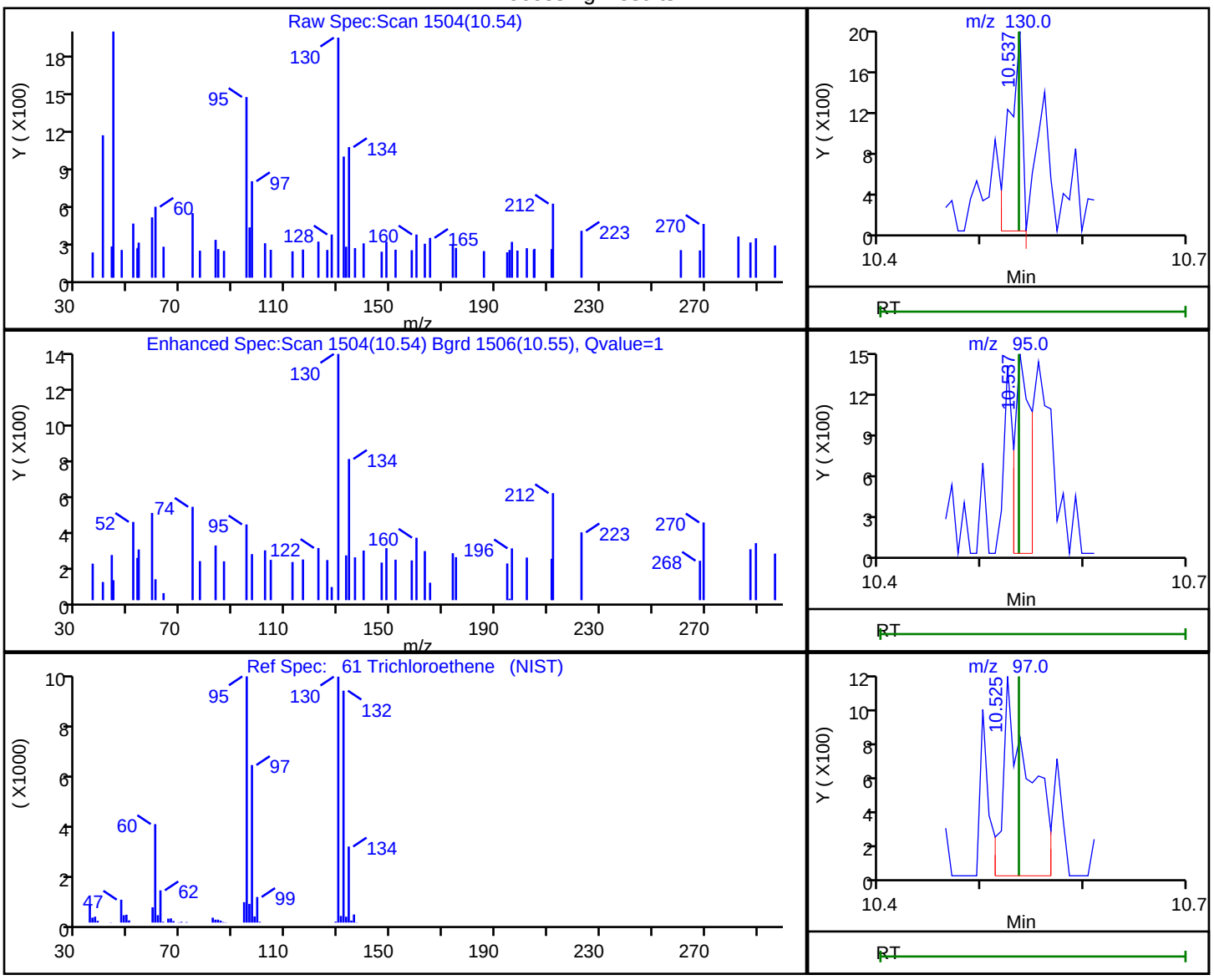
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126019.D				
Injection Date:	26-Nov-2021 21:29:30	Instrument ID:	CHHP6		
Lims ID:	180-130105-C-9	Lab Sample ID:	180-130105-9		
Client ID:	WG-11201415-111621-SG-009				
Operator ID:	0034635	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
10.54	130.00	1677	0.250083
10.54	95.00	1588	
10.53	97.00	1962	

Reviewer: journetp, 27-Nov-2021 15:46:40

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-SG-010 Lab Sample ID: 180-130105-10

Matrix: Water Lab File ID: 51121029.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 09:25

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 21:51

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		28-163
460-00-4	4-Bromofluorobenzene (Surr)	64		41-122
2037-26-5	Toluene-d8 (Surr)	80		53-125
1868-53-7	Dibromofluoromethane (Surr)	135		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121029.D
Lims ID: 180-130105-C-10
Client ID: WG-11201415-111621-SG-010
Sample Type: Client
Inject. Date: 21-Nov-2021 21:51:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-029
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:06:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.241	4.243	-0.002	0	110626	1000.0	
* 2 Fluorobenzene (IS)	96	7.247	7.242	0.005	0	362674	50.0	
* 3 Chlorobenzene-d5	119	10.343	10.344	-0.001	0	114556	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.679	12.681	-0.002	0	114971	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.517	6.524	-0.007	0	120743	67.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.894	6.889	0.005	0	158690	65.3	
$ 7 Toluene-d8 (Surr)	98	8.895	8.891	0.004	0	346390	40.0	
$ 8 4-Bromofluorobenzene (Surr)	95	11.523	11.519	0.004	0	104598	32.0	
11 Dichlorodifluoromethane	85		1.603				ND	
12 Chloromethane	50		1.815				ND	
13 Vinyl chloride	62		1.919				ND	
14 Butadiene	39		1.931				ND	U
15 Bromomethane	94		2.284				ND	U
16 Chloroethane	64		2.387				ND	
17 Dichlorofluoromethane	67		2.673				ND	
18 Trichlorofluoromethane	101		2.698				ND	
19 Ethanol	45		2.903				ND	
20 Ethyl ether	59		3.008				ND	
21 Acrolein	56		3.184				ND	
22 1,1-Dichloroethene	96		3.300				ND	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.403				ND	
24 Acetone	43		3.403				ND	
25 Iodomethane	142		3.561				ND	
26 Carbon disulfide	76		3.634				ND	
27 Isopropyl alcohol	45		3.675				ND	U
29 Acetonitrile	41		3.791				ND	
28 3-Chloro-1-propene	76		3.866				ND	
30 Methyl acetate	43	3.889	3.896	-0.007	99	206751	119.5	
31 Methylene Chloride	84		4.091				ND	U
32 2-Methyl-2-propanol	59		4.371				ND	
33 Acrylonitrile	53		4.492				ND	
34 trans-1,2-Dichloroethene	96		4.510				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng		Flags
35 Methyl tert-butyl ether	73		4.529				ND		
36 Hexane	57		4.936				ND		
37 1,1-Dichloroethane	63		5.155				ND		
38 Vinyl acetate	43		5.210				ND		
39 2-Chloro-1,3-butadiene	53		5.317				ND		
41 Isopropyl ether	45		5.323				ND		
42 Tert-butyl ethyl ether	59		5.791				ND		
48 Ethyl acetate	43	5.860	5.804	0.056	0	1676		NC	
47 Propionitrile	54		5.865				ND		U
44 2,2-Dichloropropane	97		5.904				ND		
45 cis-1,2-Dichloroethene	96		5.910				ND		
46 2-Butanone (MEK)	43		5.928				ND		
49 Chlorobromomethane	128		6.189				ND		
51 Tetrahydrofuran	42		6.208				ND		
50 Methacrylonitrile	41		6.242				ND		
52 Chloroform	83		6.335				ND		U
53 1,1,1-Trichloroethane	97		6.488				ND		
54 Cyclohexane	56		6.561				ND		
56 Carbon tetrachloride	117		6.664				ND		
55 1,1-Dichloropropene	75		6.682				ND		
58 Benzene	78		6.895				ND		U
57 Isobutyl alcohol	41		6.907				ND		
59 1,2-Dichloroethane	62		6.974				ND		
61 Tert-amyl methyl ether	73		7.246				ND		U
151 Isooctane	57	7.253	7.246	0.007	0	14640		NC	
62 n-Heptane	43		7.260				ND		U
64 Trichloroethene	130		7.631				ND		
63 n-Butanol	56		7.666				ND		
69 Methyl methacrylate	69		7.855				ND		
66 Methylcyclohexane	83		7.862				ND		
65 Ethyl acrylate	55		7.879				ND		
67 1,2-Dichloropropane	63		7.905				ND		
68 Dibromomethane	93		7.990				ND		
70 1,4-Dioxane	88		7.996				ND		
71 Dichlorobromomethane	83		8.185				ND		
73 2-Chloroethyl vinyl ether	63		8.495				ND		
74 cis-1,3-Dichloropropene	75		8.635				ND		
75 4-Methyl-2-pentanone (MIBK)	43		8.793				ND		U
76 Toluene	91		8.957				ND		
77 trans-1,3-Dichloropropene	75		9.213				ND		
78 Ethyl methacrylate	69		9.274				ND		
79 1,1,2-Trichloroethane	97		9.402				ND		U
80 Tetrachloroethene	164		9.468				ND		
81 1,3-Dichloropropane	76		9.560				ND		
82 2-Hexanone	43		9.627				ND		U
83 n-Butyl acetate	43		9.740				ND		
84 Chlorodibromomethane	129		9.773				ND		
85 Ethylene Dibromide	107		9.876				ND		
87 Chlorobenzene	112		10.369				ND		
86 3-Chlorobenzotrifluoride	180		10.445				ND		
89 1,1,1,2-Tetrachloroethane	131		10.466				ND		
90 Ethylbenzene	106		10.472				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
91 m-Xylene & p-Xylene	106		10.600			ND		
88 4-Chlorobenzotrifluoride	180		10.741			ND		
92 o-Xylene	106		10.983			ND		
93 Styrene	104		11.008			ND		
94 Bromoform	173		11.184			ND		
97 Isopropylbenzene	105		11.348			ND		
96 2-Chlorobenzotrifluoride	180		11.521			ND		
98 Cyclohexanone	55		11.572			ND		
100 Bromobenzene	156		11.659			ND		
99 1,1,2,2-Tetrachloroethane	83		11.665			ND		
102 trans-1,4-Dichloro-2-butene	53		11.701			ND		
101 1,2,3-Trichloropropane	110		11.719			ND		
103 N-Propylbenzene	120		11.762			ND		
104 2-Chlorotoluene	126		11.853			ND		
106 1,3,5-Trimethylbenzene	105		11.944			ND		
105 3-Chlorotoluene	126		11.967			ND		
107 4-Chlorotoluene	126		11.975			ND		
108 tert-Butylbenzene	119		12.261			ND		
110 1,2,4-Trimethylbenzene	105		12.322			ND		
111 1,2-dichloro-4-(trifluoromethyl)	214		12.463			ND		
112 sec-Butylbenzene	105		12.480			ND		
113 1,3-Dichlorobenzene	146		12.601			ND		
114 4-Isopropyltoluene	119		12.638			ND		
115 1,4-Dichlorobenzene	146		12.705			ND		
117 1,2,3-Trimethylbenzene	105		12.800			ND		
119 Benzyl chloride	91		12.820			ND		
116 2,4-Dichloro-1-(triflouromethyl)	214		12.836			ND		
118 2,5-Dichlorobenzotrifluoride	214		12.878			ND		
120 n-Butylbenzene	91		13.046			ND		
121 1,2-Dichlorobenzene	146		13.058			ND		
122 1,2-Dibromo-3-Chloropropane	75		13.842			ND		
124 1,3,5-Trichlorobenzene	180		14.101			ND		
123 2,4- & 2,5- & 2,6- Dichlorotolue	125		14.125			ND		
125 2,3- & 3,4- Dichlorotoluene	125		14.484			ND		
126 1,2,4-Trichlorobenzene	180		14.670			ND		
127 Hexachlorobutadiene	225		14.810			ND		
128 Naphthalene	128		14.931			ND		U
129 1,2,3-Trichlorobenzene	180		15.157			ND		
130 2,3,6-Trichlorotoluene	159		16.056			ND		
131 2,4,5-Trichlorotoluene	159		16.056			ND		
S 154 Total BTEX	106		1.000			ND		
S 134 1,2-Dichloroethene, Total	96		1.000			ND		
S 133 Xylenes, Total	106		1.000			ND		
S 135 1,3-Dichloropropene, Total	1		0.000			ND		
T 157 Ethanol TIC	45		0.000			ND		
T 156 2-ethoxy-2-methyl butane TIC	59		0.000			ND		

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags
U - Marked Undetected

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

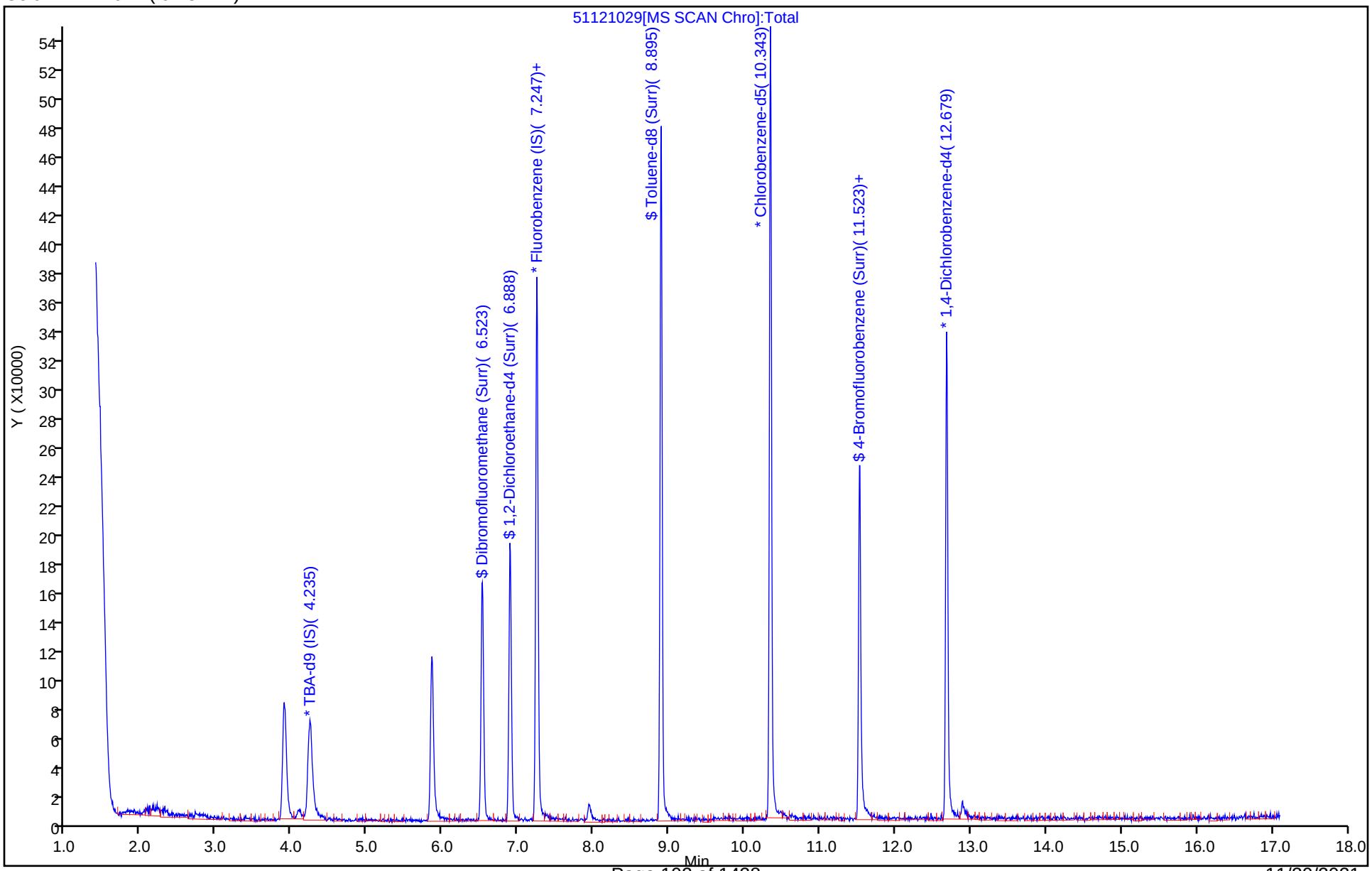
Report Date: 22-Nov-2021 11:09:45 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121029.D

Injection Date:	21-Nov-2021 21:51:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-C-10	Lab Sample ID:	180-130105-10	Worklist Smp#:	29
Client ID:	WG-11201415-111621-SG-010				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-SG-011 Lab Sample ID: 180-130105-11

Matrix: Water Lab File ID: 61126020.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 10:30

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 21:58

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*-	1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	62		28-163
460-00-4	4-Bromofluorobenzene (Surr)	64		41-122
2037-26-5	Toluene-d8 (Surr)	104		53-125
1868-53-7	Dibromofluoromethane (Surr)	105		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126020.D				
Lims ID:	180-130105-B-11				
Client ID:	WG-11201415-111621-SG-011				
Sample Type:	Client				
Inject. Date:	26-Nov-2021 21:58:30	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	180-0040242-020				
Operator ID:	0034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	27-Nov-2021 15:48:25	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1637				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.297	7.306	-0.009	40	194695	1000.0	s
* 2 Fluorobenzene (IS)	96	10.169	10.165	0.004	35	1211683	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.237	0.004	38	222732	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.628	0.004	29	156938	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.447	0.010	47	268638	52.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.830	0.004	47	247926	31.1	
$ 7 Toluene-d8 (Surr)	98	11.763	11.765	-0.002	41	1034920	51.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.411	0.004	37	210527	31.8	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

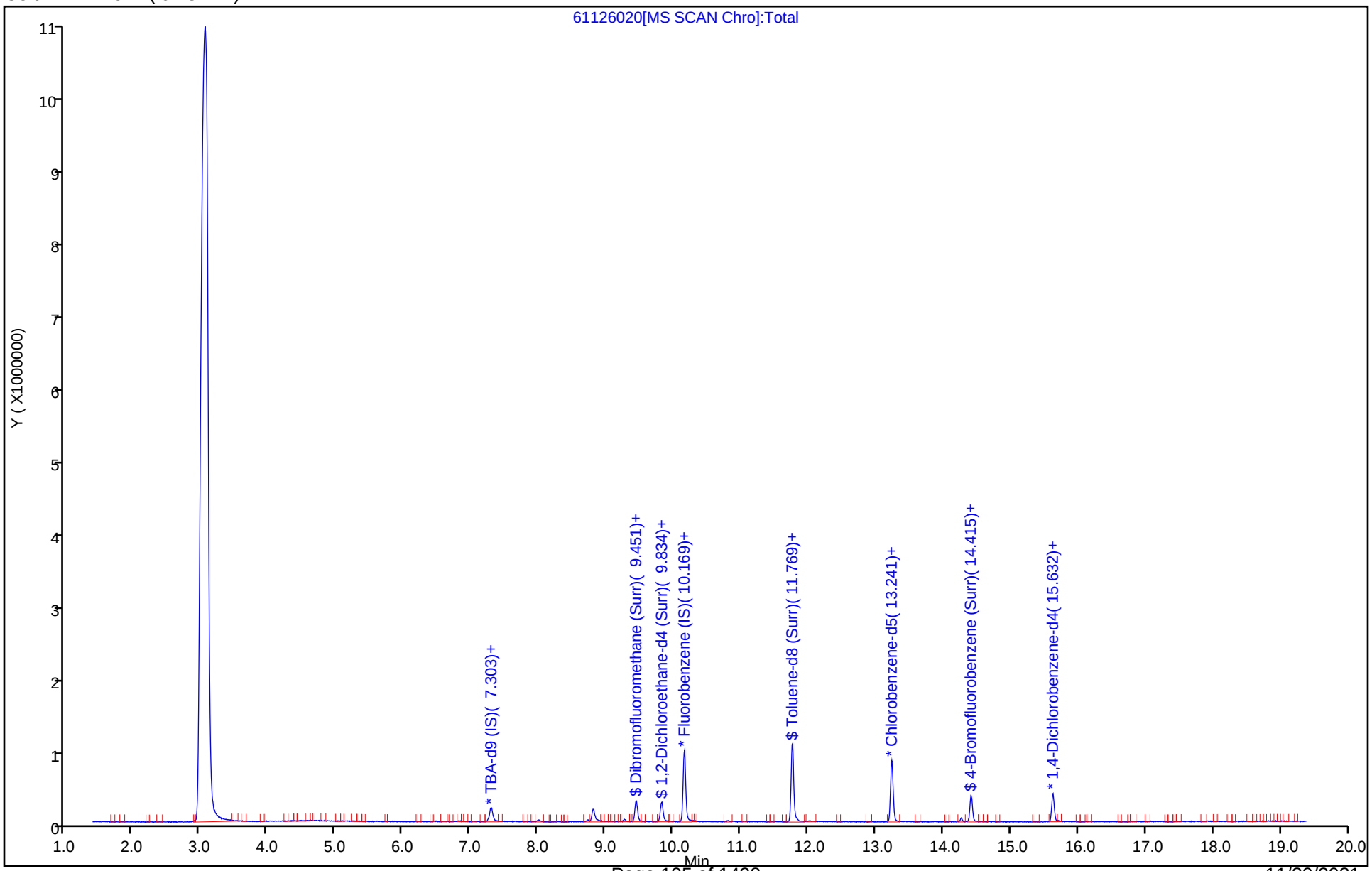
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 27-Nov-2021 15:48:29 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126020.D				
Injection Date:	26-Nov-2021 21:58:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130105-B-11	Lab Sample ID:	180-130105-11	Worklist Smp#:	20
Client ID:	WG-11201415-111621-SG-011				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: TB-11201415111521-DT Lab Sample ID: 180-130105-12

Matrix: Water Lab File ID: 51121028.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 00:01

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 21:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		28-163
460-00-4	4-Bromofluorobenzene (Surr)	61		41-122
2037-26-5	Toluene-d8 (Surr)	92		53-125
1868-53-7	Dibromofluoromethane (Surr)	129		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121028.D
Lims ID: 180-130105-A-12
Client ID: TB-11201415111521-DT
Sample Type: Client
Inject. Date: 21-Nov-2021 21:26:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-028
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.240	4.243	-0.003	0	140967	1000.0	
* 2 Fluorobenzene (IS)	96	7.245	7.242	0.003	0	435597	50.0	
* 3 Chlorobenzene-d5	119	10.348	10.344	0.004	0	103757	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.684	12.681	0.003	0	105898	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.521	6.524	-0.003	0	138403	64.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.889	0.003	0	177218	60.7	
$ 7 Toluene-d8 (Surr)	98	8.894	8.891	0.003	0	360958	46.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.522	11.519	0.003	0	90759	30.6	
13 Vinyl chloride	62		1.919				ND	
45 cis-1,2-Dichloroethene	96		5.910				ND	
53 1,1,1-Trichloroethane	97		6.488				ND	
64 Trichloroethene	130		7.631				ND	
76 Toluene	91		8.957				ND	

Reagents:

VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added: 2.00	Units: uL	Run Reagent

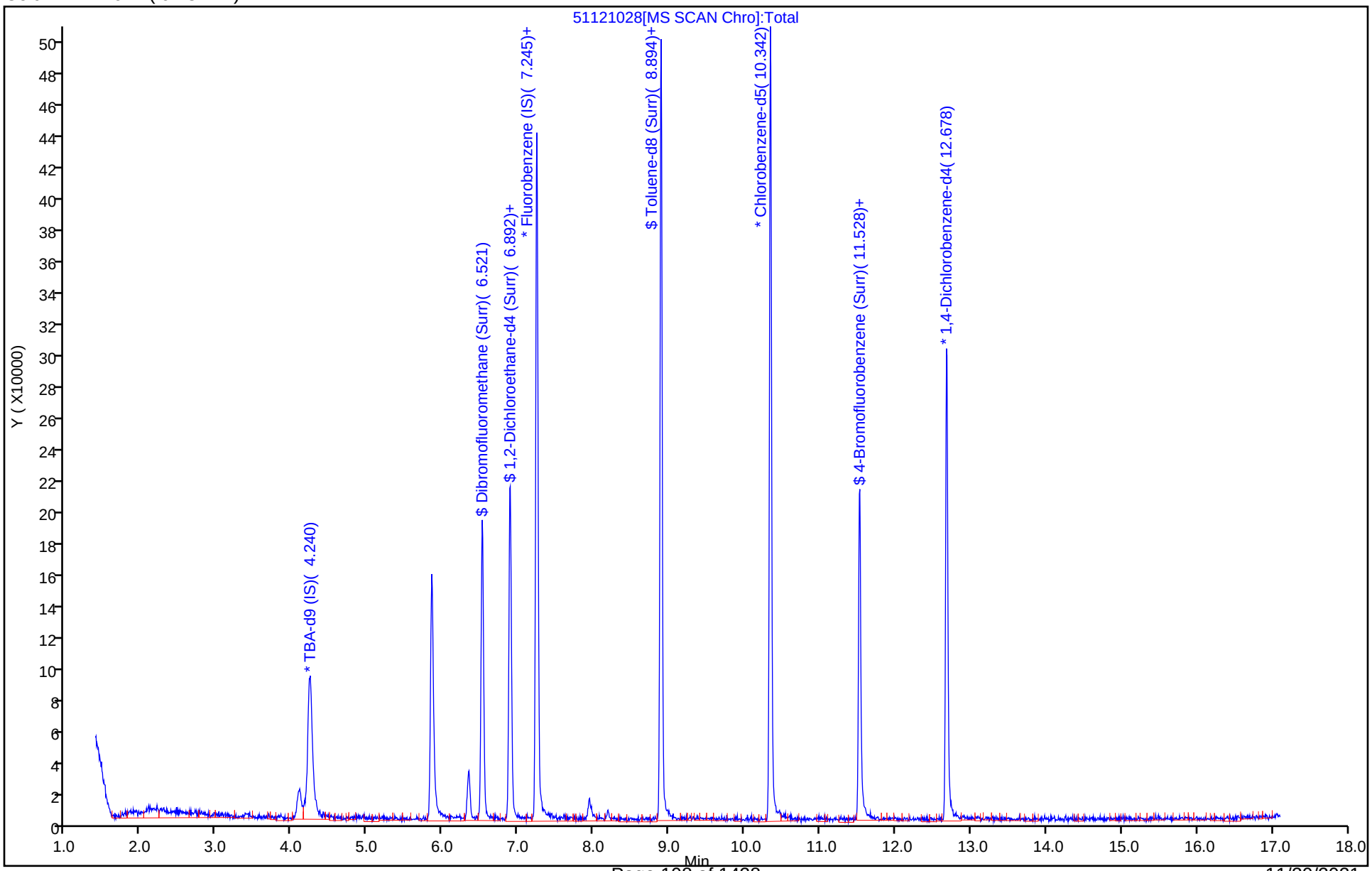
Report Date: 22-Nov-2021 11:09:44 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121028.D

Injection Date:	21-Nov-2021 21:26:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-A-12	Lab Sample ID:	180-130105-12	Worklist Smp#:	28
Client ID:	TB-11201415111521-DT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-377581/5	51104005.D
Level 2	IC 180-377581/6	51104006.D
Level 3	ICIS 180-377581/7	51104007.D
Level 4	IC 180-377581/8	51104008.D
Level 5	IC 180-377581/9	51104009.D
Level 6	IC 180-377581/10	51104010.D
Level 7	IC 180-377581/11	51104011.D
Level 8	IC 180-377581/12	51104012.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3634 0.2989	0.3266 0.3428	0.2610 0.3243	0.3440	0.3747	Ave		0.3295				11.0		35.0			
Chloromethane	0.4251 0.3328	0.3708 0.3650	0.3121 0.3411	0.3681	0.4024	Ave		0.3647			0.1000	10.1		35.0			
Vinyl chloride	0.3371 0.3073	0.3250 0.3472	0.2763 0.3365	0.3561	0.3764	Ave		0.3327				9.2		35.0			
Butadiene	0.4468 0.3634	0.3578 0.4116	0.3092 0.3907	0.3975	0.4267	Ave		0.3880				11.3		35.0			
Bromomethane	0.2804 0.1583	0.1659 0.1685	0.1610 +++++	0.1559	0.1711	Lin2	0.6171	0.1542							0.9960		0.9900
Chloroethane	0.3027 0.1366	0.1481 +++++	0.1564 +++++	0.1332	0.1437	Lin2	0.8599	0.1287							0.9940		0.9900
Dichlorofluoromethane	0.5099 0.2800	0.3009 0.3370	0.2903 0.2987	0.3348	0.3386	Lin2	1.0218	0.2982							0.9900		0.9900
Trichlorofluoromethane	0.2201 0.1930	0.1592 +++++	0.1786 +++++	0.1826	0.2429	Ave		0.1961				15.5		35.0			
Ethyl ether	0.3580 0.2122	0.2235 +++++	0.2179 +++++	0.2636	0.2368	Ave		0.2520				21.9		35.0			
1,1-Dichloroethene	0.2992 0.2064	0.1945 0.2435	0.1916 0.2246	0.2342	0.2514	Ave		0.2307				15.3		35.0			
Acetone	0.2520 0.1066	0.1051 0.1174	0.1126 0.0978	0.1223	0.1206	Lin1	0.6635	0.1046							0.9900		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3105 +++++	0.1934 +++++	0.2101 +++++	0.2839	0.2816	Ave		0.2559				20.0		35.0			
Iodomethane	0.4211 0.3114	0.2684 0.3662	0.2709 0.3472	0.3478	0.3469	Ave		0.3350				15.1		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.8741 0.6778	0.5648 0.7711	0.5615 0.6470	0.7230	0.8131	Ave		0.7041				16.0		35.0			
3-Chloro-1-propene	0.2095 0.1960	0.1392 0.2075	0.1385 0.1915	0.1993	0.1992	Ave		0.1851				15.7		35.0			
Methyl acetate	0.3171 0.2481	0.1956 0.2401	0.2289 0.2062	0.2405	0.2319	Ave		0.2386				15.3		35.0			
Methylene Chloride	0.6621 0.3012	0.3273 0.3093	0.2924 +++++	0.3160	0.3393	Lin2	1.8416	0.2866							0.9910		0.9900
2-Methyl-2-propanol	1.2567 1.1083	1.1082 1.1817	1.0856 1.1029	1.0136	1.0256	Ave		1.1103				7.1		35.0			
Acrylonitrile	0.1245 0.1170	0.1079 0.1170	0.1067 0.1055	0.1157	0.1129	Ave		0.1134				5.7		35.0			
trans-1,2-Dichloroethene	0.3424 0.2564	0.2669 0.2796	0.2207 0.2490	0.2822	0.2865	Ave		0.2730				13.0		35.0			
Methyl tert-butyl ether	0.9175 0.7795	0.7550 0.8108	0.7024 0.7443	0.7588	0.7808	Ave		0.7811				8.1		35.0			
Hexane	0.4500 0.4570	0.4118 0.5250	0.3682 0.5105	0.5121	0.4985	Ave		0.4666				11.9		35.0			
1,1-Dichloroethane	0.6946 0.4902	0.5068 0.5308	0.4378 0.5133	0.5155	0.5384	Ave		0.5284			0.1000	14.0		35.0			
2,2-Dichloropropane	0.0578 0.0478	0.0513 0.0535	0.0424 0.0511	0.0508	0.0516	Ave		0.0508				8.7		35.0			
cis-1,2-Dichloroethene	0.3706 0.2809	0.2802 0.3051	0.2426 0.2905	0.2864	0.3056	Ave		0.2952				12.3		35.0			
2-Butanone (MEK)	0.2681 0.1536	0.1624 0.1584	0.1523 0.1476	0.1637	0.1512	Lin2	0.5939	0.1475							0.9980		0.9900
Chlorobromomethane	0.1935 0.1426	0.1464 0.1503	0.1307 0.1430	0.1452	0.1507	Ave		0.1503				12.3		35.0			
Tetrahydrofuran	0.1206 0.0983	0.0815 0.0966	0.0838 0.0965	0.0907	0.0875	Ave		0.0944				13.0		35.0			
Chloroform	0.9111 0.4691	0.5287 0.5050	0.4416 0.4805	0.5012	0.5197	Lin2	2.2046	0.4625							0.9940		0.9900
1,1,1-Trichloroethane	0.4905 0.3634	0.3726 0.4066	0.3170 0.3924	0.4010	0.4138	Ave		0.3947				12.6		35.0			
Cyclohexane	0.5052 0.5110	0.4207 0.5960	0.3798 0.5716	0.5406	0.5671	Ave		0.5115				14.8		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.4039 0.3189	0.3184 0.3615	0.2732 0.3484	0.3556	0.3631	Ave		0.3429				11.4		35.0			
1,1-Dichloropropene	0.3961 0.3713	0.3486 0.4084	0.3121 0.3985	0.4036	0.4121	Ave		0.3813				9.2		35.0			
Benzene	1.4105 1.1165	1.1471 1.2110	1.0022 1.1751	1.1967	1.2389	Ave		1.1873				9.8		35.0			
Isobutyl alcohol	0.0121 0.0108	0.0099 0.0106	0.0093 0.0102	0.0107	0.0102	Ave		0.0105				7.7		35.0			
1,2-Dichloroethane	0.5361 0.4095	0.4274 0.4194	0.3889 0.3992	0.4088	0.4195	Ave		0.4261				10.8		35.0			
n-Heptane	0.5131 0.5363	0.4886 0.6165	0.4483 0.5913	0.5898	0.5827	Ave		0.5458				10.8		35.0			
Trichloroethene	0.3531 0.2625	0.2651 0.2921	0.2297 0.2859	0.2836	0.2908	Ave		0.2829				12.4		35.0			
Methylcyclohexane	0.4664 0.4984	0.4069 0.5713	0.3819 0.5528	0.5299	0.5580	Ave		0.4957				14.4		35.0			
1,2-Dichloropropane	0.3852 0.2899	0.2979 0.3156	0.2642 0.2949	0.3001	0.3127	Ave		0.3076				11.4		35.0			
Dibromomethane	0.2022 0.1598	0.1540 0.1653	0.1460 0.1542	0.1607	0.1607	Ave		0.1629				10.4		35.0			
1,4-Dioxane	0.0032 0.0032	0.0025 0.0032	0.0030 0.0031	0.0033	0.0031	Ave		0.0031				8.1		35.0			
Dichlorobromomethane	0.4239 0.3347	0.3211 0.3567	0.2964 0.3412	0.3261	0.3505	Ave		0.3438				10.9		35.0			
cis-1,3-Dichloropropene	0.4166 0.4220	0.3273 0.4662	0.3319 0.4373	0.3814	0.4132	Ave		0.3995				12.3		35.0			
4-Methyl-2-pentanone (MIBK)	1.1776 1.1778	0.9325 1.1769	1.0574 1.2153	1.1172	1.0387	Ave		1.1117				8.6		35.0			
Toluene	4.9679 4.7329	4.5570 5.1139	4.2304 5.0420	5.0646	5.0633	Ave		4.8465				6.5		35.0			
trans-1,3-Dichloropropene	1.1696 1.5496	1.2588 1.6302	1.2908 1.6228	1.4500	1.4702	Ave		1.4303				12.1		35.0			
Ethyl methacrylate	0.8892 1.4221	1.0424 1.4745	1.1415 1.4665	1.2905	1.2676	Ave		1.2493				16.9		35.0			
1,1,2-Trichloroethane	1.2680 0.9858	1.0525 0.9899	0.9564 0.9834	0.9689	0.9924	Ave		1.0247				10.0		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

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								
Tetrachloroethene	1.1833 0.8863	0.9572 0.9614	0.7972 0.9569	1.0063	0.9678	Ave		0.9646				11.3		35.0			
1,3-Dichloropropane	2.1012 1.8231	1.7500 1.8627	1.7413 1.8183	1.8317	1.8147	Ave		1.8429				6.1		35.0			
2-Hexanone	0.6874 0.7818	0.5872 0.8076	0.6645 0.7900	0.7416	0.6984	Ave		0.7198				10.4		35.0			
Chlorodibromomethane	0.9886 0.9319	0.8033 0.9676	0.8038 0.9587	0.8817	0.8935	Ave		0.9036				7.9		35.0			
Ethylene Dibromide	1.1704 0.9763	0.9408 0.9821	0.9066 0.9778	0.9557	0.9540	Ave		0.9829				8.1		35.0			
Chlorobenzene	3.7341 3.0611	3.0956 3.2841	2.7979 3.2019	3.1647	3.2474	Ave		3.1984			0.3000	8.3		35.0			
1,1,1,2-Tetrachloroethane	1.3500 1.0690	1.0810 1.0978	0.9496 1.0795	1.0719	1.1145	Ave		1.1017				10.2		35.0			
Ethylbenzene	1.6522 1.7058	1.4625 1.8226	1.3962 1.8034	1.7685	1.7991	Ave		1.6763				9.7		35.0			
m-Xylene & p-Xylene	1.8261 2.1137	1.9026 2.2688	1.7913 2.2501	2.1927	2.2164	Ave		2.0702				9.6		35.0			
o-Xylene	1.7402 2.0745	1.7697 2.2209	1.6843 2.1847	2.0869	2.1869	Ave		1.9935				11.2		35.0			
Styrene	2.6220 3.5612	2.9851 3.7765	2.9555 3.6581	3.5006	3.6738	Ave		3.3416				12.7		35.0			
Bromoform	0.4485 0.5467	0.4441 0.5562	0.4545 0.5681	0.5146	0.5013	Ave		0.5043			0.1000	10.0		35.0			
Isopropylbenzene	4.0747 5.3748	4.4946 5.8813	4.2623 5.8673	5.5495	5.7409	Ave		5.1557				14.6		35.0			
Bromobenzene	0.8373 0.7193	0.6955 0.7756	0.6539 0.7518	0.7212	0.7391	Ave		0.7367				7.4		35.0			
1,1,2,2-Tetrachloroethane	1.5198 1.3498	1.2927 1.3226	1.2940 1.2966	1.3669	1.3607	Ave		1.3504			0.3000	5.5		35.0			
trans-1,4-Dichloro-2-butene	0.0229 0.1781	0.0865 0.2045	0.1131 +++++	0.1529	0.1449	Qua1	-0.458	0.1048	0.0004826						0.9970		0.9900
1,2,3-Trichloropropane	0.3213 0.2339	0.2466 0.2366	0.2319 0.2332	0.2419	0.2264	Ave		0.2465				12.5		35.0			
N-Propylbenzene	0.7039 0.8248	0.7203 0.9187	0.6846 0.9019	0.8631	0.8724	Ave		0.8112				11.6		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8114 0.6874	0.6789 0.7471	0.6054 0.7331	0.7209	0.7227	Ave		0.7134				8.3		35.0			
1,3,5-Trimethylbenzene	2.0769 2.5622	2.2399 2.7964	2.1338 2.7796	2.6211	2.6957	Ave		2.4882				11.8		35.0			
4-Chlorotoluene	0.6871 0.7090	0.7279 0.7829	0.6250 0.7559	0.7486	0.7441	Ave		0.7226				6.8		35.0			
tert-Butylbenzene	1.7651 2.1357	1.7847 2.3796	1.7092 2.3996	2.1940	2.2590	Ave		2.0784				13.7		35.0			
1,2,4-Trimethylbenzene	2.1922 2.6623	2.3476 2.8698	2.2225 2.8270	2.7031	2.7659	Ave		2.5738				10.7		35.0			
sec-Butylbenzene	2.8980 3.3145	2.9160 3.7004	2.7323 3.6780	3.4661	3.5402	Ave		3.2807				11.6		35.0			
1,3-Dichlorobenzene	1.7232 1.4046	1.3835 1.5052	1.2539 1.4532	1.4271	1.4695	Ave		1.4525				9.1		35.0			
4-Isopropyltoluene	2.2586 2.8308	2.4607 3.1353	2.3234 3.1064	2.9552	3.0203	Ave		2.7613				13.0		35.0			
1,4-Dichlorobenzene	1.7733 1.4161	1.4776 1.5294	1.2960 1.4653	1.4307	1.4751	Ave		1.4830				9.2		35.0			
n-Butylbenzene	2.2495 2.5776	2.1086 2.8962	2.0463 2.8772	2.6622	2.7514	Ave		2.5211				13.5		35.0			
1,2-Dichlorobenzene	1.8150 1.3864	1.4201 1.4762	1.3131 1.4110	1.4103	1.4689	Ave		1.4626				10.3		35.0			
1,2-Dibromo-3-Chloropropane	0.1271 0.1150	0.1029 0.1114	0.0980 0.1184	0.1112	0.1061	Ave		0.1113				8.2		35.0			
1,2,4-Trichlorobenzene	0.8738 0.9015	0.7392 0.9896	0.7400 0.9714	0.8415	0.9166	Ave		0.8717				10.8		35.0			
Hexachlorobutadiene	0.7461 0.4978	0.5228 0.5465	0.4553 +++++	0.5461	0.5658	Ave		0.5543				16.6		35.0			
Naphthalene	1.1965 2.0347	1.2570 2.0991	1.4672 2.1431	1.7769	1.9011	Lin1	-8.856	2.0644							0.9910		0.9900
1,2,3-Trichlorobenzene	0.8855 0.8807	0.8072 0.9285	0.8041 0.9189	0.8609	0.9285	Ave		0.8768				5.7		35.0			
Dibromofluoromethane (Surr)	0.2918 0.2352	0.2505 0.2535	0.2175 0.2315	0.2336	0.2604	Ave		0.2468				9.3		35.0			
1,2-Dichloroethane-d4 (Surr)	0.4292 0.3199	0.3345 0.3314	0.3088 0.3051	0.3149	0.3363	Ave		0.3350				11.9		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

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								
Toluene-d8 (Surr)	3.3841 3.7629	3.7086 4.1127	3.4188 3.9203	3.8438	4.0567	Ave		3.7760				7.1		35.0			
4-Bromofluorobenzene (Surr)	1.2599 1.4731	1.3790 1.5729	1.2892 1.4709	1.4164	1.5560	Ave		1.4272				8.0		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-377581/5	51104005.D
Level 2	IC 180-377581/6	51104006.D
Level 3	ICIS 180-377581/7	51104007.D
Level 4	IC 180-377581/8	51104008.D
Level 5	IC 180-377581/9	51104009.D
Level 6	IC 180-377581/10	51104010.D
Level 7	IC 180-377581/11	51104011.D
Level 8	IC 180-377581/12	51104012.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	13997 450784	68023 614585	113107 792857	219681	298516	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	16375 501876	77225 654408	135243 833889	235035	320565	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	12983 463520	67675 622470	119732 822832	227396	299860	5.00 175	25.0 200	50.0 250	75.0	100
Butadiene	FB	Ave	17208 548023	74510 737894	134001 955253	253848	339911	5.00 175	25.0 200	50.0 250	75.0	100
Bromomethane	FB	Lin2	10801 238757	34559 302003	69756 +++++	99548	136314	5.00 175	25.0 200	50.0 +++++	75.0	100
Chloroethane	FB	Lin2	11659 206061	30853 +++++	67781 +++++	85079	114494	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Dichlorofluoromethane	FB	Lin2	19639 422231	62674 604168	125810 730223	213766	269708	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	8477 291126	33145 +++++	77401 +++++	116587	193472	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Ethyl ether	FB	Ave	13789 319979	46555 +++++	94438 +++++	168327	188636	5.00 175	25.0 +++++	50.0 +++++	75.0	100
1,1-Dichloroethene	FB	Ave	11524 311346	40497 436586	83031 549186	149551	200247	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Lin1	9706 160778	21885 210421	48799 239237	78128	96087	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	11958 +++++	40285 +++++	91037 +++++	181311	224338	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Iodomethane	FB	Ave	16220	55904	117412	222114	276326	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			469584	656487	848799			175	200	250		
Carbon disulfide	FB	Ave	33669 1022303	117634 1382406	243344 1581922	461690	647698	5.00 175	25.0 200	50.0 250	75.0	100
3-Chloro-1-propene	FB	Ave	8069 295603	28988 371951	60009 468181	127279	158671	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Ave	24429 748409	81458 860760	198396 1008448	307150	369517	10.0 350	50.0 400	100 500	150	200
Methylene Chloride	FB	Lin2	25501 454203	68168 554471	126707 +++++	201756	270274	5.00 175	25.0 200	50.0 +++++	75.0	100
2-Methyl-2-propanol	TBAd9	Ave	11510 351333	42000 407815	93522 490045	145048	175930	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	47944 1765082	224753 2098158	462211 2578778	738806	899604	50.0 1750	250 2000	500 2500	750	1000
trans-1,2-Dichloroethene	FB	Ave	13189 386657	55575 501330	95658 608900	180175	228202	5.00 175	25.0 200	50.0 250	75.0	100
Methyl tert-butyl ether	FB	Ave	35339 1175693	157236 1453596	304402 1819670	484572	622003	5.00 175	25.0 200	50.0 250	75.0	100
Hexane	FB	Ave	17331 689255	85759 941267	159575 1248127	327036	397110	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	26754 739362	105544 951580	189718 1254920	329184	428911	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	2225 72026	10675 95843	18376 124815	32439	41130	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,2-Dichloroethene	FB	Ave	14273 423686	58345 547008	105119 710294	182898	243440	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Lin2	10328 231677	33820 284031	66024 360840	104506	120415	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	7452 215106	30487 269471	56637 349573	92746	120086	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Ave	9287 296593	33938 346507	72613 471877	115788	139410	10.0 350	50.0 400	100 500	150	200
Chloroform	FB	Lin2	35093 707454	110110 905414	191394 1174725	320081	414012	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	18892 548091	77601 728924	137366 959455	256092	329637	5.00 175	25.0 200	50.0 250	75.0	100

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			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
Cyclohexane	FB	Ave	19460 770718	87608 1068535	164619 1397636	345215	451781	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	15555 481007	66316 648117	118387 851838	227096	289281	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloropropene	FB	Ave	15258 560045	72604 732132	135272 974306	257698	328310	5.00 175	25.0 200	50.0 250	75.0	100
Benzene	FB	Ave	54327 1683818	238905 2170998	434354 2873076	764159	986970	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	11643 406581	51575 475927	101058 626152	170300	202374	125 4375	625 5000	1250 6250	1875	2500
1,2-Dichloroethane	FB	Ave	20648 617579	89009 751881	168547 976097	261028	334159	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	19764 808878	101763 1105199	194289 1445755	376631	464212	5.00 175	25.0 200	50.0 250	75.0	100
Trichloroethene	FB	Ave	13601 395899	55206 523748	99562 699098	181074	231670	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Ave	17963 751610	84744 1024169	165493 1351629	338383	444536	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloropropane	FB	Ave	14836 437239	62047 565798	114485 721079	191653	249082	5.00 175	25.0 200	50.0 250	75.0	100
Dibromomethane	FB	Ave	7790 241058	32071 296419	63289 377019	102624	128044	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Ave	2474 95615	10361 114007	25926 151389	41626	49672	100 3500	500 4000	1000 5000	1500	2000
Dichlorobromomethane	FB	Ave	16328 504788	66877 639443	128472 834242	208219	279203	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	16045 636437	68162 835785	143836 1069151	243556	329189	5.00 175	25.0 200	50.0 250	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	11183 438021	45912 536760	109206 722274	173701	205927	5.00 175	25.0 200	50.0 250	75.0	100
Toluene	CBNZ d5	Ave	47176 1760207	224368 2332408	436919 2996646	787477	1003864	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,3-Dichloropropene	CBNZ d5	Ave	11107	61979	133318	225453	291491	5.00	25.0	50.0	75.0	100

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SDG No.:

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ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			576307	743536	964502			175	200	250		
Ethyl methacrylate	CBNZ d5	Ave	8444	51326	117892	200657	251320	5.00	25.0	50.0	75.0	100
			528874	672490	871593			175	200	250		
1,1,2-Trichloroethane	CBNZ d5	Ave	12041	51819	98774	150656	196764	5.00	25.0	50.0	75.0	100
			366639	451472	584485			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	11237	47131	82336	156463	191873	5.00	25.0	50.0	75.0	100
			329636	438486	568693			175	200	250		
1,3-Dichloropropane	CBNZ d5	Ave	19953	86164	179843	284810	359787	5.00	25.0	50.0	75.0	100
			678032	849547	1080697			175	200	250		
2-Hexanone	CBNZ d5	Ave	6528	28910	68627	115301	138457	5.00	25.0	50.0	75.0	100
			290758	368354	469544			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	9388	39553	83012	137086	177140	5.00	25.0	50.0	75.0	100
			346575	441318	569763			175	200	250		
Ethylene Dibromide	CBNZ d5	Ave	11114	46320	93629	148591	189144	5.00	25.0	50.0	75.0	100
			363076	447931	581128			175	200	250		
Chlorobenzene	CBNZ d5	Ave	35459	152415	288964	492068	643840	5.00	25.0	50.0	75.0	100
			1138439	1497846	1903029			175	200	250		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	12820	53225	98073	166669	220957	5.00	25.0	50.0	75.0	100
			397562	500673	641581			175	200	250		
Ethylbenzene	CBNZ d5	Ave	15689	72007	144197	274969	356687	5.00	25.0	50.0	75.0	100
			634409	831280	1071815			175	200	250		
m-Xylene & p-Xylene	CBNZ d5	Ave	17341	93678	185007	340931	439424	5.00	25.0	50.0	75.0	100
			786097	1034789	1337291			175	200	250		
o-Xylene	CBNZ d5	Ave	16525	87135	173959	324489	433572	5.00	25.0	50.0	75.0	100

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			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
			771535	1012940	1298461			175	200	250		
Styrene	CBNZ d5	Ave	24899	146972	305245	544295	728367	5.00	25.0	50.0	75.0	100
			1324424	1722414	2174109			175	200	250		
Bromoform	CBNZ d5	Ave	4259	21865	46944	80020	99391	5.00	25.0	50.0	75.0	100
			203328	253694	337652			175	200	250		
Isopropylbenzene	CBNZ d5	Ave	38694	221297	440212	862863	1138195	5.00	25.0	50.0	75.0	100
			1998936	2682390	3487125			175	200	250		
Bromobenzene	DCBd 4	Ave	13072	61622	122190	207658	276364	5.00	25.0	50.0	75.0	100
			491856	628584	798697			175	200	250		
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	14432	63648	133649	212527	269776	5.00	25.0	50.0	75.0	100
			502002	603235	770634			175	200	250		
trans-1,4-Dichloro-2-butene	DCBd 4	Qua1	357	7664	21125	44027	54173	5.00	25.0	50.0	75.0	100
			121799	165744	+++++			175	200	+++++		
1,2,3-Trichloropropane	DCBd 4	Ave	5017	21850	43332	69651	84665	5.00	25.0	50.0	75.0	100
			159919	191778	247780			175	200	250		
N-Propylbenzene	DCBd 4	Ave	10990	63819	127917	248523	326225	5.00	25.0	50.0	75.0	100
			563972	744497	958206			175	200	250		
2-Chlorotoluene	DCBd 4	Ave	12668	60149	113118	207589	270246	5.00	25.0	50.0	75.0	100
			470064	605439	778813			175	200	250		
1,3,5-Trimethylbenzene	DCBd 4	Ave	32426	198455	398734	754705	1007975	5.00	25.0	50.0	75.0	100
			1752067	2266222	2953075			175	200	250		
4-Chlorotoluene	DCBd 4	Ave	10727	64495	116798	215556	278233	5.00	25.0	50.0	75.0	100
			484836	634502	803122			175	200	250		
tert-Butylbenzene	DCBd 4	Ave	27558	158126	319376	631735	844667	5.00	25.0	50.0	75.0	100

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			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
			1460367	1928486	2549326			175	200	250		
1,2,4-Trimethylbenzene	DCBd 4	Ave	34226	207995	415310	778317	1034212	5.00	25.0	50.0	75.0	100
			1820471	2325756	3003401			175	200	250		
sec-Butylbenzene	DCBd 4	Ave	45245	258351	510556	998033	1323751	5.00	25.0	50.0	75.0	100
			2266451	2998875	3907566			175	200	250		
1,3-Dichlorobenzene	DCBd 4	Ave	26903	122573	234297	410916	549494	5.00	25.0	50.0	75.0	100
			960468	1219803	1543855			175	200	250		
4-Isopropyltoluene	DCBd 4	Ave	35262	218016	434151	850921	1129366	5.00	25.0	50.0	75.0	100
			1935683	2540892	3300287			175	200	250		
1,4-Dichlorobenzene	DCBd 4	Ave	27686	130913	242182	411961	551556	5.00	25.0	50.0	75.0	100
			968357	1239478	1556788			175	200	250		
n-Butylbenzene	DCBd 4	Ave	35121	186816	382377	766548	1028794	5.00	25.0	50.0	75.0	100
			1762567	2347148	3056796			175	200	250		
1,2-Dichlorobenzene	DCBd 4	Ave	28337	125822	245377	406094	549237	5.00	25.0	50.0	75.0	100
			948049	1196368	1499056			175	200	250		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1984	9118	18319	32017	39673	5.00	25.0	50.0	75.0	100
			78614	90306	125807			175	200	250		
1,2,4-Trichlorobenzene	DCBd 4	Ave	13643	65494	138274	242295	342751	5.00	25.0	50.0	75.0	100
			616468	801956	1032039			175	200	250		
Hexachlorobutadiene	DCBd 4	Ave	11649	46321	85072	157241	211555	5.00	25.0	50.0	75.0	100
			340406	442908	+++++			175	200	+++++		
Naphthalene	DCBd 4	Lin1	18681	111364	274167	511642	710853	5.00	25.0	50.0	75.0	100
			1391311	1701128	2276847			175	200	250		
1,2,3-Trichlorobenzene	DCBd 4	Ave	13825	71515	150260	247890	347185	5.00	25.0	50.0	75.0	100

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			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
			602255	752496	976288			175	200	250		
Dibromofluoromethane (Surr)	FB	Ave	11241 354731	52171 454557	94275 566092	149201	207425	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	16532 482402	69662 594051	133818 745955	201082	267903	5.00 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	32136 1399442	182598 1875767	353096 2329991	597654	804294	5.00 175	25.0 200	50.0 250	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	11964 547869	67896 717360	133153 874230	220233	308504	5.00 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

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Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

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Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-377581/5	51104005.D
Level 2	IC 180-377581/6	51104006.D
Level 3	ICIS 180-377581/7	51104007.D
Level 4	IC 180-377581/8	51104008.D
Level 5	IC 180-377581/9	51104009.D
Level 6	IC 180-377581/10	51104010.D
Level 7	IC 180-377581/11	51104011.D
Level 8	IC 180-377581/12	51104012.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	10.3 4.0	-0.9 -1.6	-20.8	4.4	13.7	-9.3	50 30	30 30	30	30	30	30
Chloromethane	16.6 0.1	1.7 -6.5	-14.4	0.9	10.3	-8.7	50 30	30 30	30	30	30	30
Vinyl chloride	1.3 4.3	-2.3 1.1	-17.0	7.0	13.1	-7.6	50 30	30 30	30	30	30	30
Butadiene	15.2 6.1	-7.8 0.7	-20.3	2.5	10.0	-6.3	50 30	30 30	30	30	30	30
Bromomethane	1.8 7.2	-8.4 +++++	-3.6	-4.3	6.9	0.4	50 30	30	30	30	30	30
Chloroethane	1.6 +++++	-11.6 +++++	8.1	-5.4	5.0	2.3	50	30	30	30	30	30
Dichlorofluoromethane	2.5 11.3	-12.8 -1.2	-9.5	7.7	10.1	-8.1	50 30	30 30	30	30	30	30
Trichlorofluoromethane	12.3 +++++	-18.8 +++++	-8.9	-6.9	23.9	-1.5	50	30	30	30	30	30
Ethyl ether	42.1 +++++	-11.3 +++++	-13.5	4.6	-6.0	-15.8	50	30	30	30	30	30
1,1-Dichloroethene	29.7 5.6	-15.7 -2.6	-16.9	1.5	9.0	-10.5	50 30	30 30	30	30	30	30
Acetone	14.1 9.0	-24.9 -9.0	-5.0	8.5	9.0	-1.7	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	21.3 +++++	-24.4 +++++	-17.9	11.0	10.0	+++++	50	30	30	30	30	
Iodomethane	25.7 9.3	-19.9 3.6	-19.1	3.8	3.5	-7.1	50 30	30 30	30	30	30	30
Carbon disulfide	24.2 9.5	-19.8 -8.1	-20.2	2.7	15.5	-3.7	50 30	30 30	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
3-Chloro-1-propene	13.2 12.1	-24.8 3.5	-25.2	7.7	7.6	5.9	50 30	30 30	30	30	30	30
Methyl acetate	32.9 0.6	-18.0 -13.5	-4.1	0.8	-2.8	4.0	50 30	30 30	30	30	30	30
Methylene Chloride	2.5 4.7	-11.5 +++++	-10.8	1.7	12.0	1.4	50 30	30	30	30	30	30
2-Methyl-2-propanol	13.2 6.4	-0.2 -0.7	-2.2	-8.7	-7.6	-0.2	50 30	30 30	30	30	30	30
Acrylonitrile	9.8 3.2	-4.8 -7.0	-6.0	2.0	-0.4	3.2	50 30	30 30	30	30	30	30
trans-1,2-Dichloroethene	25.4 2.4	-2.2 -8.8	-19.1	3.4	4.9	-6.1	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	17.5 3.8	-3.3 -4.7	-10.1	-2.9	0.0	-0.2	50 30	30 30	30	30	30	30
Hexane	-3.6 12.5	-11.8 9.4	-21.1	9.8	6.8	-2.1	50 30	30 30	30	30	30	30
1,1-Dichloroethane	31.5 0.4	-4.1 -2.9	-17.2	-2.4	1.9	-7.2	50 30	30 30	30	30	30	30
2,2-Dichloropropane	13.8 5.3	1.0 0.6	-16.5	0.1	1.7	-5.9	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	25.5 3.3	-5.1 -1.6	-17.8	-3.0	3.5	-4.8	50 30	30 30	30	30	30	30
2-Butanone (MEK)	1.2 5.4	-6.0 -1.6	-4.8	5.6	-1.6	1.8	50 30	30 30	30	30	30	30
Chlorobromomethane	28.7 0.0	-2.6 -4.9	-13.1	-3.4	0.3	-5.1	50 30	30 30	30	30	30	30
Tetrahydrofuran	27.7 2.3	-13.7 2.2	-11.3	-4.0	-7.3	4.1	50 30	30 30	30	30	30	30
Chloroform	1.7 6.8	-4.7 2.0	-14.0	2.0	7.6	-1.3	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	24.3 3.0	-5.6 -0.6	-19.7	1.6	4.8	-7.9	50 30	30 30	30	30	30	30
Cyclohexane	-1.2 16.5	-17.8 11.8	-25.7	5.7	10.9	-0.1	50 30	30 30	30	30	30	30
Carbon tetrachloride	17.8 5.4	-7.1 1.6	-20.3	3.7	5.9	-7.0	50 30	30 30	30	30	30	30
1,1-Dichloropropene	3.9 7.1	-8.6 4.5	-18.2	5.8	8.1	-2.6	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	18.8 2.0	-3.4 -1.0	-15.6	0.8	4.4	-6.0	50 30	30 30	30	30	30	30
Isobutyl alcohol	15.4 1.4	-5.4 -2.2	-11.0	1.8	-3.0	2.9	50 30	30 30	30	30	30	30
1,2-Dichloroethane	25.8 -1.6	0.3 -6.3	-8.7	-4.1	-1.6	-3.9	50 30	30 30	30	30	30	30
n-Heptane	-6.0 12.9	-10.5 8.3	-17.9	8.1	6.8	-1.7	50 30	30 30	30	30	30	30
Trichloroethene	24.8 3.3	-6.3 1.1	-18.8	0.2	2.8	-7.2	50 30	30 30	30	30	30	30
Methylcyclohexane	-5.9 15.2	-17.9 11.5	-23.0	6.9	12.6	0.5	50 30	30 30	30	30	30	30
1,2-Dichloropropane	25.2 2.6	-3.1 -4.1	-14.1	-2.4	1.7	-5.7	50 30	30 30	30	30	30	30
Dibromomethane	24.2 1.5	-5.5 -5.3	-10.3	-1.3	-1.3	-1.9	50 30	30 30	30	30	30	30
1,4-Dioxane	4.8 3.8	-18.8 1.0	-2.4	6.4	1.7	3.5	50 30	30 30	30	30	30	30
Dichlorobromomethane	23.3 3.7	-6.6 -0.8	-13.8	-5.2	1.9	-2.7	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	4.3 16.7	-18.1 9.5	-16.9	-4.5	3.4	5.6	50 30	30 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	5.9 5.9	-16.1 9.3	-4.9	0.5	-6.6	5.9	50 30	30 30	30	30	30	30
Toluene	2.5 5.5	-6.0 4.0	-12.7	4.5	4.5	-2.3	50 30	30 30	30	30	30	30
trans-1,3-Dichloropropene	-18.2 14.0	-12.0 13.5	-9.7	1.4	2.8	8.3	50 30	30 30	30	30	30	30
Ethyl methacrylate	-28.8 18.0	-16.6 17.4	-8.6	3.3	1.5	13.8	50 30	30 30	30	30	30	30
1,1,2-Trichloroethane	23.7 -3.4	2.7 -4.0	-6.7	-5.4	-3.1	-3.8	50 30	30 30	30	30	30	30
Tetrachloroethene	22.7 -0.3	-0.8 -0.8	-17.3	4.3	0.3	-8.1	50 30	30 30	30	30	30	30
1,3-Dichloropropane	14.0 1.1	-5.0 -1.3	-5.5	-0.6	-1.5	-1.1	50 30	30 30	30	30	30	30
2-Hexanone	-4.5 12.2	-18.4 9.8	-7.7	3.0	-3.0	8.6	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodibromomethane	9.4 7.1	-11.1 6.1	-11.1	-2.4	-1.1	3.1	50 30	30 30	30	30	30	30
Ethylene Dibromide	19.1 -0.1	-4.3 -0.5	-7.8	-2.8	-2.9	-0.7	50 30	30 30	30	30	30	30
Chlorobenzene	16.7 2.7	-3.2 0.1	-12.5	-1.1	1.5	-4.3	50 30	30 30	30	30	30	30
1,1,1,2-Tetrachloroethane	22.5 -0.4	-1.9 -2.0	-13.8	-2.7	1.2	-3.0	50 30	30 30	30	30	30	30
Ethylbenzene	-1.4 8.7	-12.8 7.6	-16.7	5.5	7.3	1.8	50 30	30 30	30	30	30	30
m-Xylene & p-Xylene	-11.8 9.6	-8.1 8.7	-13.5	5.9	7.1	2.1	50 30	30 30	30	30	30	30
o-Xylene	-12.7 11.4	-11.2 9.6	-15.5	4.7	9.7	4.1	50 30	30 30	30	30	30	30
Styrene	-21.5 13.0	-10.7 9.5	-11.6	4.8	9.9	6.6	50 30	30 30	30	30	30	30
Bromoform	-11.1 10.3	-11.9 12.7	-9.9	2.1	-0.6	8.4	50 30	30 30	30	30	30	30
Isopropylbenzene	-21.0 14.1	-12.8 13.8	-17.3	7.6	11.4	4.3	50 30	30 30	30	30	30	30
Bromobenzene	13.6 5.3	-5.6 2.0	-11.2	-2.1	0.3	-2.4	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	12.5 -2.1	-4.3 -4.0	-4.2	1.2	0.8	0.0	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	6.7 1.8	-9.4 +++++	-4.4	10.0	-1.8	-3.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	30.4 -4.0	0.1 -5.4	-5.9	-1.9	-8.1	-5.1	50 30	30 30	30	30	30	30
N-Propylbenzene	-13.2 13.2	-11.2 11.2	-15.6	6.4	7.5	1.7	50 30	30 30	30	30	30	30
2-Chlorotoluene	13.7 4.7	-4.8 2.8	-15.1	1.1	1.3	-3.6	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	-16.5 12.4	-10.0 11.7	-14.2	5.3	8.3	3.0	50 30	30 30	30	30	30	30
4-Chlorotoluene	-4.9 8.4	0.7 4.6	-13.5	3.6	3.0	-1.9	50 30	30 30	30	30	30	30
tert-Butylbenzene	-15.1 14.5	-14.1 15.5	-17.8	5.6	8.7	2.8	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 377581

SDG No.:

Instrument ID: CHHP5 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2021 11:31 Calibration End Date: 11/04/2021 14:50 Calibration ID: 47500

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	-14.8 11.5	-8.8 9.8	-13.6	5.0	7.5	3.4	50 30	30 30	30	30	30	30
sec-Butylbenzene	-11.7 12.8	-11.1 12.1	-16.7	5.7	7.9	1.0	50 30	30 30	30	30	30	30
1,3-Dichlorobenzene	18.6 3.6	-4.8 0.0	-13.7	-1.7	1.2	-3.3	50 30	30 30	30	30	30	30
4-Isopropyltoluene	-18.2 13.5	-10.9 12.5	-15.9	7.0	9.4	2.5	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	19.6 3.1	-0.4 -1.2	-12.6	-3.5	-0.5	-4.5	50 30	30 30	30	30	30	30
n-Butylbenzene	-10.8 14.9	-16.4 14.1	-18.8	5.6	9.1	2.2	50 30	30 30	30	30	30	30
1,2-Dichlorobenzene	24.1 0.9	-2.9 -3.5	-10.2	-3.6	0.4	-5.2	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	14.2 0.1	-7.5 6.4	-11.9	-0.1	-4.6	3.3	50 30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	0.2 13.5	-15.2 11.4	-15.1	-3.5	5.2	3.4	50 30	30 30	30	30	30	30
Hexachlorobutadiene	34.6 -1.4	-5.7 +++++	-17.9	-1.5	2.1	-10.2	50 30	30	30	30	30	30
Naphthalene	43.8 3.8	-22.0 5.5	-20.3	-8.2	-3.6	1.0	50 30	30 30	30	30	30	30
1,2,3-Trichlorobenzene	1.0 5.9	-7.9 4.8	-8.3	-1.8	5.9	0.4	50 30	30 30	30	30	30	30
Dibromofluoromethane (Surr)	18.3 2.7	1.5 -6.2	-11.9	-5.3	5.5	-4.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	28.1 -1.1	-0.2 -8.9	-7.8	-6.0	0.4	-4.5	50 30	30 30	30	30	30	30
Toluene-d8 (Surr)	-10.4 8.9	-1.8 3.8	-9.5	1.8	7.4	-0.3	50 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	-11.7 10.2	-3.4 3.1	-9.7	-0.8	9.0	3.2	50 30	30 30	30	30	30	30

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Nov-2021 11:31:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-005
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:04:49 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 08-Nov-2021 08:44:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.228	4.230	-0.002	0	183172	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.246	7.241	0.005	0	385167	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.342	10.344	-0.002	0	94961	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.678	12.680	-0.002	0	156126	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.516	6.523	-0.007	0	11241	5.00	5.91	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.893	6.888	0.005	0	16532	5.00	6.41	
$ 7 Toluene-d8 (Surr)	98	8.894	8.890	0.004	0	32136	5.00	4.48	
$ 8 4-Bromofluorobenzene (Surr)	95	11.522	11.524	-0.002	0	11964	5.00	4.41	
11 Dichlorodifluoromethane	85	1.582	1.608	-0.026	0	13997	5.00	5.51	
12 Chloromethane	50	1.832	1.821	0.011	91	16375	5.00	5.83	M
13 Vinyl chloride	62	1.953	1.924	0.029	48	12983	5.00	5.07	a
14 Butadiene	39	1.929	1.943	-0.014	62	17208	5.00	5.76	
15 Bromomethane	94	2.288	2.271	0.017	0	10801	5.00	5.09	
16 Chloroethane	64	2.403	2.399	0.004	0	11659	5.00	5.08	
18 Trichlorofluoromethane	101	2.683	2.679	0.004	0	8477	5.00	5.61	
17 Dichlorofluoromethane	67	2.701	2.685	0.016	95	19639	5.00	5.12	a
20 Ethyl ether	59	3.000	3.007	-0.007	0	13789	5.00	7.10	
22 1,1-Dichloroethene	96	3.279	3.299	-0.020	90	11524	5.00	6.49	M
24 Acetone	43	3.407	3.409	-0.002	0	9706	5.00	5.70	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.413	3.415	-0.002	0	11958	5.00	6.07	
25 Iodomethane	142	3.596	3.567	0.029	73	16220	5.00	6.29	
26 Carbon disulfide	76	3.632	3.628	0.004	62	33669	5.00	6.21	
28 3-Chloro-1-propene	76	3.869	3.865	0.004	0	8069	5.00	5.66	
30 Methyl acetate	43	3.900	3.895	0.005	0	24429	10.0	13.3	
31 Methylene Chloride	84	4.095	4.096	-0.001	95	25501	5.00	5.13	M
32 2-Methyl-2-propanol	59	4.362	4.370	-0.008	0	11510	50.0	56.6	
33 Acrylonitrile	53	4.490	4.492	-0.002	0	47944	50.0	54.9	
34 trans-1,2-Dichloroethene	96	4.508	4.510	-0.002	0	13189	5.00	6.27	
35 Methyl tert-butyl ether	73	4.526	4.528	-0.002	86	35339	5.00	5.87	
36 Hexane	57	4.940	4.936	0.004	0	17331	5.00	4.82	
37 1,1-Dichloroethane	63	5.159	5.155	0.004	0	26754	5.00	6.57	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.901	5.897	0.004	0	2225	5.00	5.69	
45 cis-1,2-Dichloroethene	96	5.901	5.909	-0.008	0	14273	5.00	6.28	
46 2-Butanone (MEK)	43	5.926	5.927	-0.001	0	10328	5.00	5.06	
49 Chlorobromomethane	128	6.187	6.189	-0.002	0	7452	5.00	6.44	
51 Tetrahydrofuran	42	6.206	6.213	-0.007	87	9287	10.0	12.8	
52 Chloroform	83	6.339	6.341	-0.002	0	35093	5.00	5.08	
53 1,1,1-Trichloroethane	97	6.485	6.493	-0.008	0	18892	5.00	6.21	
54 Cyclohexane	56	6.564	6.560	0.004	96	19460	5.00	4.94	a
56 Carbon tetrachloride	117	6.662	6.663	-0.001	0	15555	5.00	5.89	
55 1,1-Dichloropropene	75	6.680	6.688	-0.008	0	15258	5.00	5.19	
58 Benzene	78	6.899	6.901	-0.002	0	54327	5.00	5.94	
57 Isobutyl alcohol	41	6.905	6.907	-0.002	41	11643	125.0	144.3	a
59 1,2-Dichloroethane	62	6.978	6.974	0.004	0	20648	5.00	6.29	
62 n-Heptane	43	7.264	7.260	0.004	0	19764	5.00	4.70	
64 Trichloroethene	130	7.629	7.631	-0.002	0	13601	5.00	6.24	
66 Methylcyclohexane	83	7.854	7.862	-0.008	0	17963	5.00	4.70	
67 1,2-Dichloropropane	63	7.897	7.904	-0.007	71	14836	5.00	6.26	
70 1,4-Dioxane	88	7.994	7.990	0.004	15	2474	100.0	104.8	
68 Dibromomethane	93	7.988	7.990	-0.002	0	7790	5.00	6.21	
71 Dichlorobromomethane	83	8.189	8.190	-0.001	85	16328	5.00	6.16	
74 cis-1,3-Dichloropropene	75	8.627	8.634	-0.007	65	16045	5.00	5.21	
75 4-Methyl-2-pentanone (MIBK)	43	8.791	8.793	-0.002	0	11183	5.00	5.30	
76 Toluene	91	8.961	8.957	0.004	0	47176	5.00	5.13	
77 trans-1,3-Dichloropropene	75	9.211	9.212	-0.001	0	11107	5.00	4.09	
78 Ethyl methacrylate	69	9.272	9.273	-0.001	0	8444	5.00	3.56	
79 1,1,2-Trichloroethane	97	9.399	9.407	-0.008	0	12041	5.00	6.19	
80 Tetrachloroethene	164	9.472	9.468	0.004	0	11237	5.00	6.13	
81 1,3-Dichloropropane	76	9.558	9.559	-0.001	0	19953	5.00	5.70	
82 2-Hexanone	43	9.624	9.626	-0.002	0	6528	5.00	4.78	
84 Chlorodibromomethane	129	9.770	9.772	-0.002	0	9388	5.00	5.47	
85 Ethylene Dibromide	107	9.880	9.882	-0.002	0	11114	5.00	5.95	
87 Chlorobenzene	112	10.373	10.368	0.005	0	35459	5.00	5.84	
89 1,1,1,2-Tetrachloroethane	131	10.464	10.466	-0.002	0	12820	5.00	6.13	
90 Ethylbenzene	106	10.470	10.472	-0.002	0	15689	5.00	4.93	
91 m-Xylene & p-Xylene	106	10.604	10.605	-0.001	0	17341	5.00	4.41	
92 o-Xylene	106	10.981	10.983	-0.002	0	16525	5.00	4.36	
93 Styrene	104	11.005	11.007	-0.002	0	24899	5.00	3.92	
94 Bromoform	173	11.182	11.183	-0.001	55	4259	5.00	4.45	
97 Isopropylbenzene	105	11.346	11.348	-0.002	0	38694	5.00	3.95	
100 Bromobenzene	156	11.656	11.664	-0.008	90	13072	5.00	5.68	
99 1,1,2,2-Tetrachloroethane	83	11.668	11.670	-0.002	83	14432	5.00	5.63	
102 trans-1,4-Dichloro-2-butene	53	11.699	11.707	-0.008	0	357	5.00	5.33	
101 1,2,3-Trichloropropane	110	11.717	11.719	-0.002	40	5017	5.00	6.52	
103 N-Propylbenzene	120	11.766	11.761	0.005	0	10990	5.00	4.34	
104 2-Chlorotoluene	126	11.851	11.853	-0.002	94	12668	5.00	5.69	
106 1,3,5-Trimethylbenzene	105	11.948	11.950	-0.002	92	32426	5.00	4.17	
107 4-Chlorotoluene	126	11.985	11.974	0.011	0	10727	5.00	4.75	
108 tert-Butylbenzene	119	12.259	12.260	-0.001	90	27558	5.00	4.25	
110 1,2,4-Trimethylbenzene	105	12.319	12.321	-0.002	0	34226	5.00	4.26	
112 sec-Butylbenzene	105	12.484	12.485	-0.001	87	45245	5.00	4.42	
113 1,3-Dichlorobenzene	146	12.605	12.601	0.004	0	26903	5.00	5.93	
114 4-Isopropyltoluene	119	12.636	12.637	-0.001	87	35262	5.00	4.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.703	12.704	-0.001	0	27686	5.00	5.98	
120 n-Butylbenzene	91	13.043	13.045	-0.002	0	35121	5.00	4.46	
121 1,2-Dichlorobenzene	146	13.062	13.057	0.005	0	28337	5.00	6.20	
122 1,2-Dibromo-3-Chloropropane	75	13.840	13.842	-0.002	1	1984	5.00	5.71	
126 1,2,4-Trichlorobenzene	180	14.674	14.663	0.011	0	13643	5.00	5.01	
127 Hexachlorobutadiene	225	14.808	14.815	-0.007	0	11649	5.00	6.73	
128 Naphthalene	128	14.935	14.931	0.004	0	18681	5.00	7.19	
129 1,2,3-Trichlorobenzene	180	15.154	15.156	-0.002	0	13825	5.00	5.05	
S 154 Total BTEX	106				0		25.0	24.8	
S 134 1,2-Dichloroethene, Total	96				0		10.0	12.5	
S 133 Xylenes, Total	106				0		10.0	8.78	
S 135 1,3-Dichloropropene, Total	1				0		10.0	9.30	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	0.20	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	0.20	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

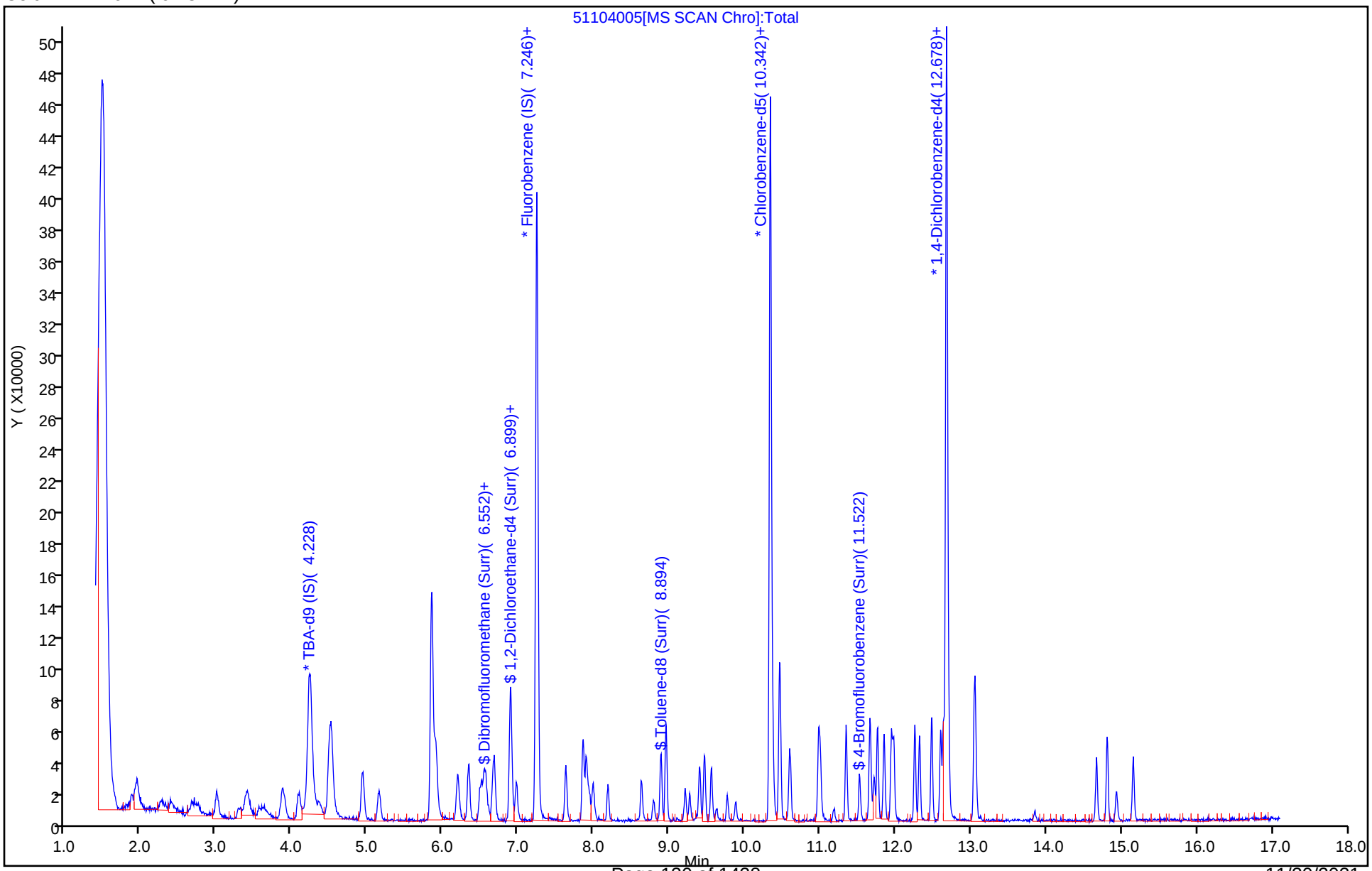
Report Date: 23-Nov-2021 08:04:49 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D

Injection Date:	04-Nov-2021 11:31:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

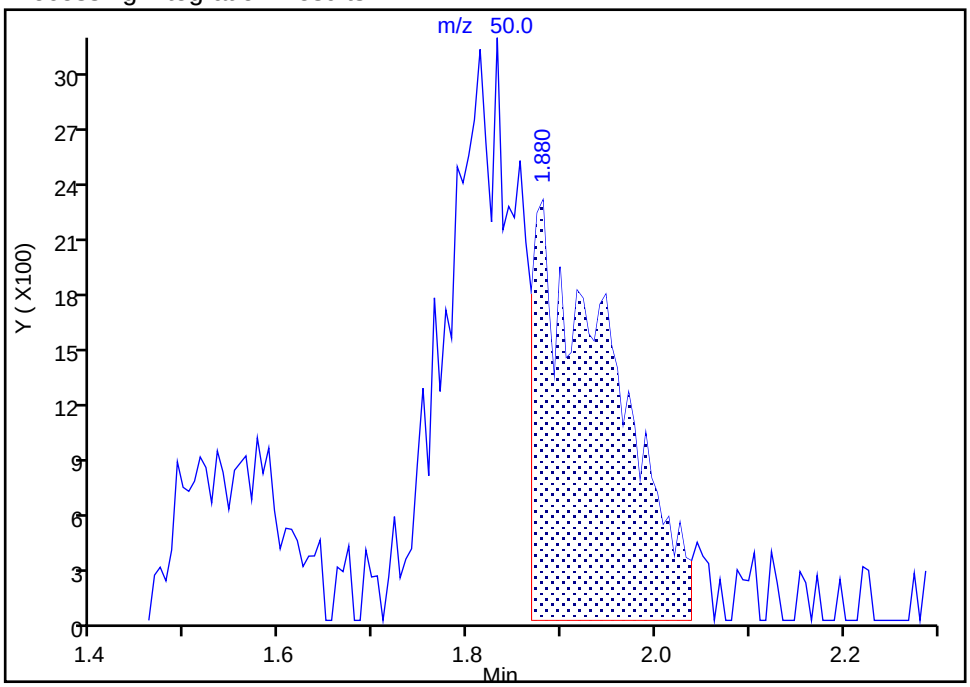
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D
Injection Date: 04-Nov-2021 11:31:30 Instrument ID: CHHP5
Lims ID: IC std5
Client ID:
Operator ID: 040712 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

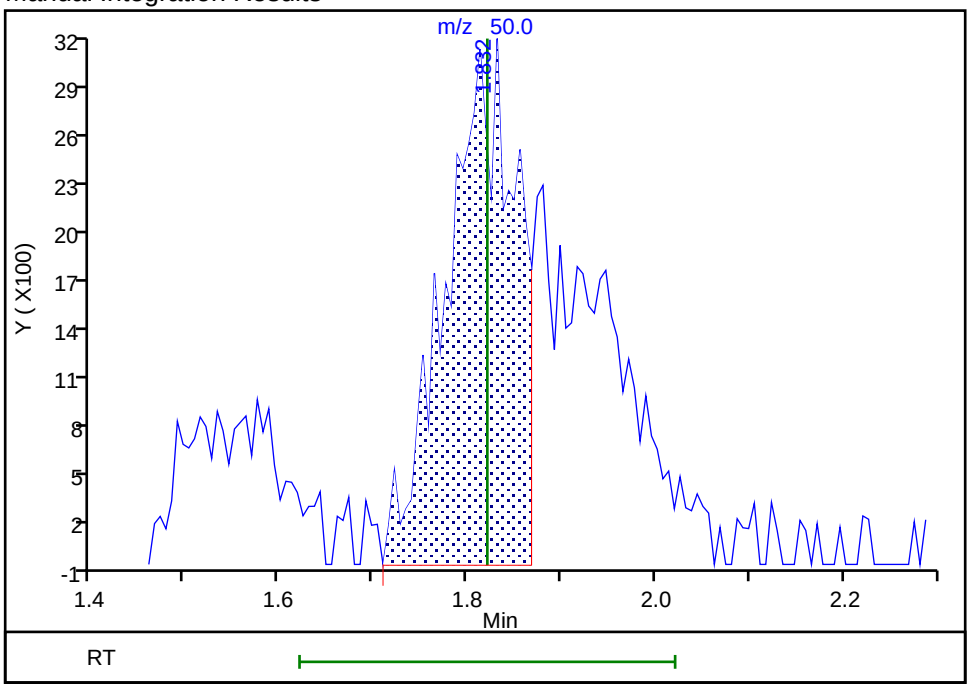
Processing Integration Results

RT: 1.88
Area: 13171
Amount: 4.962474
Amount Units: ng



Manual Integration Results

RT: 1.83
Area: 16375
Amount: 5.829148
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:44:34
Audit Action: Manually Integrated Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

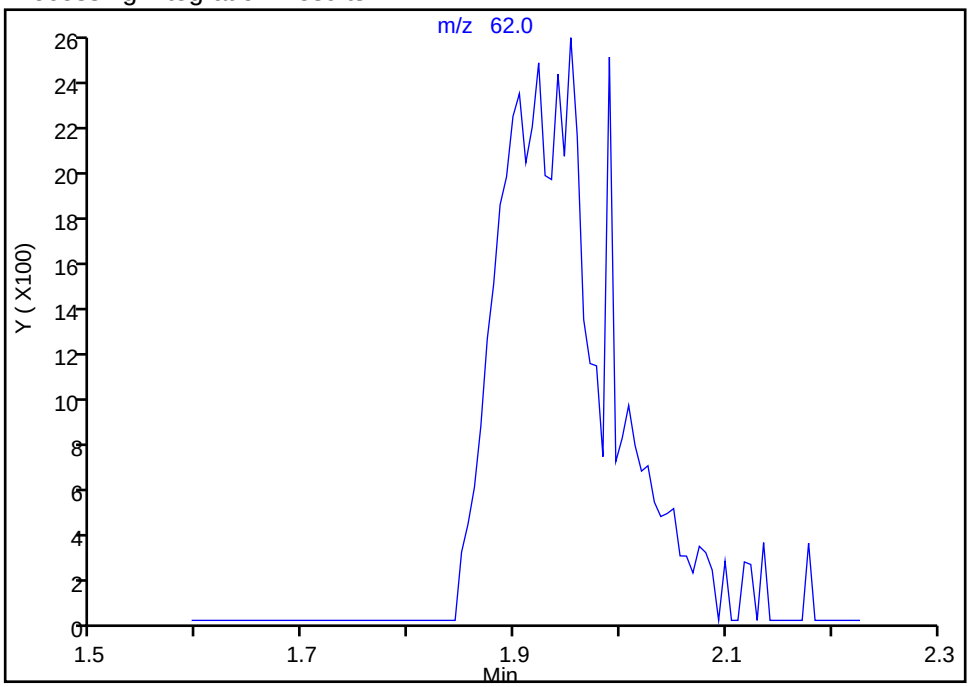
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D				
Injection Date:	04-Nov-2021 11:31:30	Instrument ID:	CHHP5		
Lims ID:	IC std5				
Client ID:					
Operator ID:	040712	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

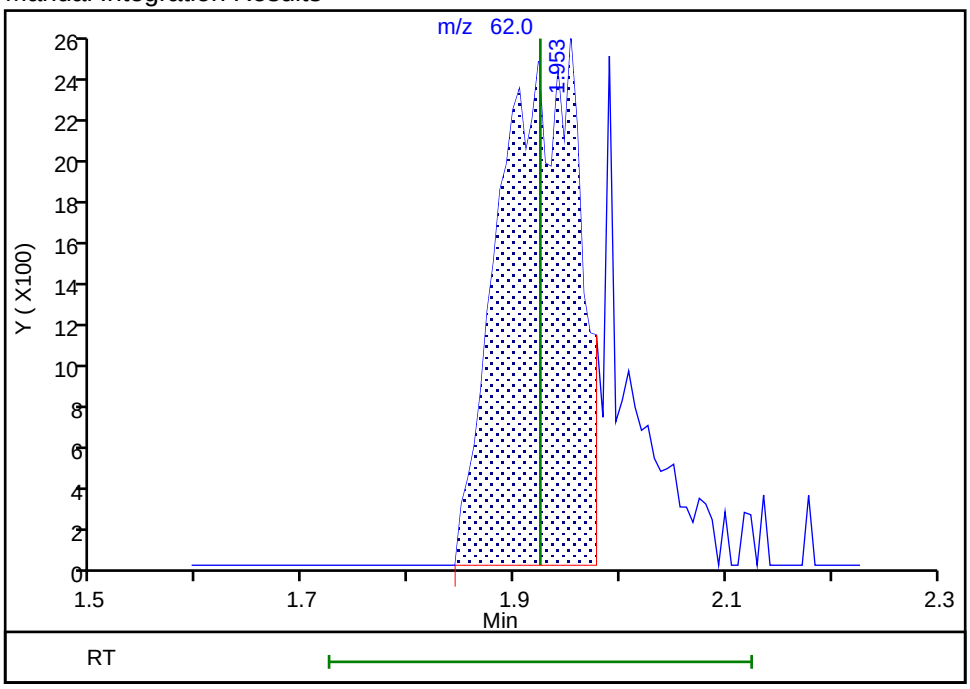
Processing Integration Results

Not Detected
Expected RT: 1.92



Manual Integration Results

RT: 1.95
Area: 12983
Amount: 5.065161
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 11:53:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

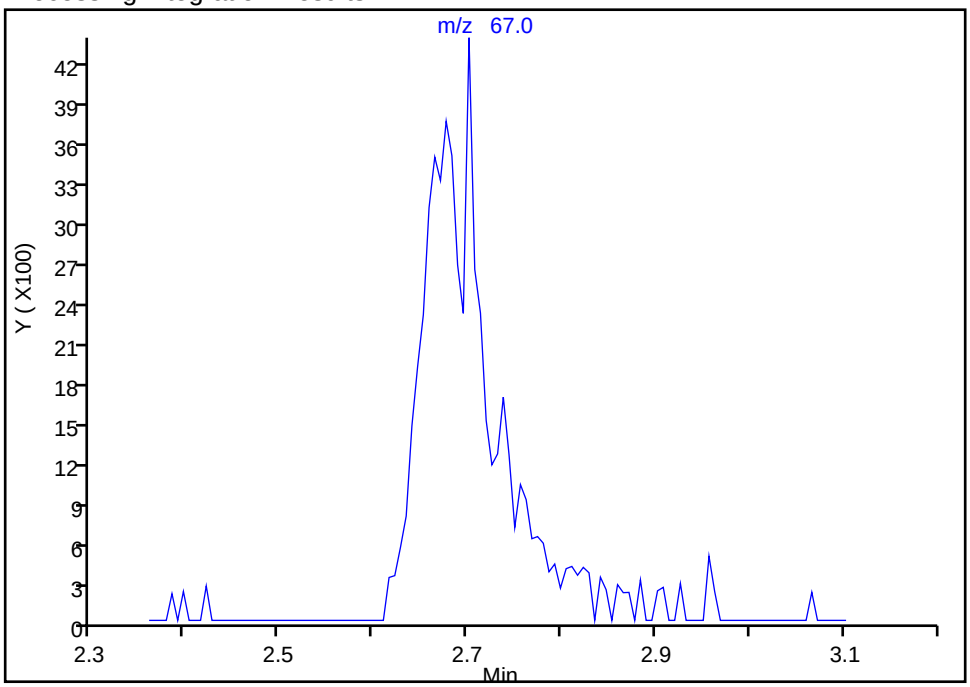
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D				
Injection Date:	04-Nov-2021 11:31:30	Instrument ID:	CHHP5		
Lims ID:	IC std5				
Client ID:					
Operator ID:	040712	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

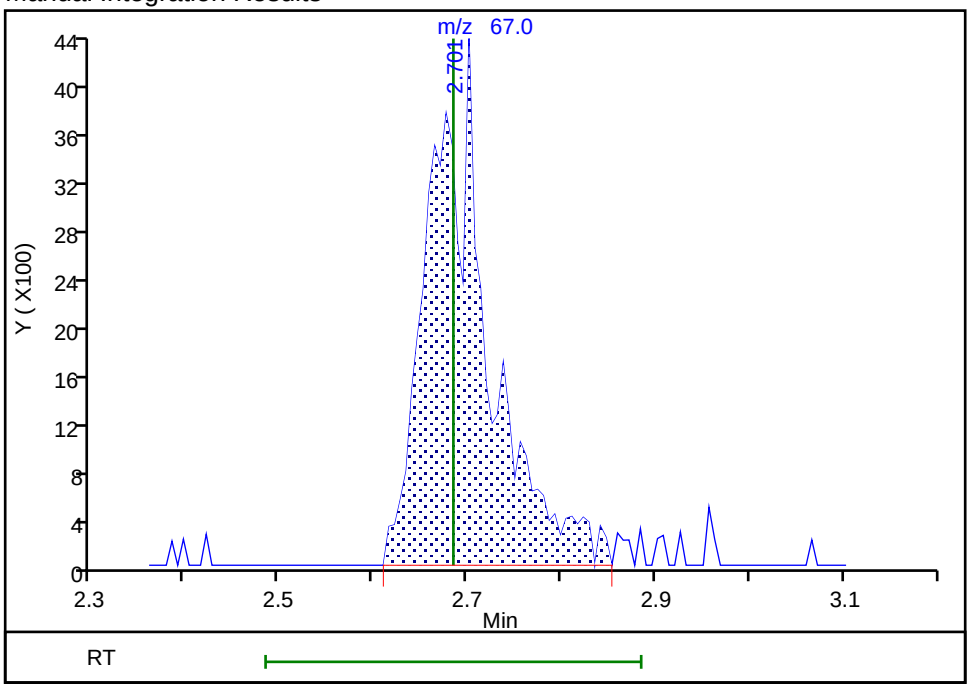
Not Detected
Expected RT: 2.68

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 19639
Amount: 5.123041
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 11:53:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

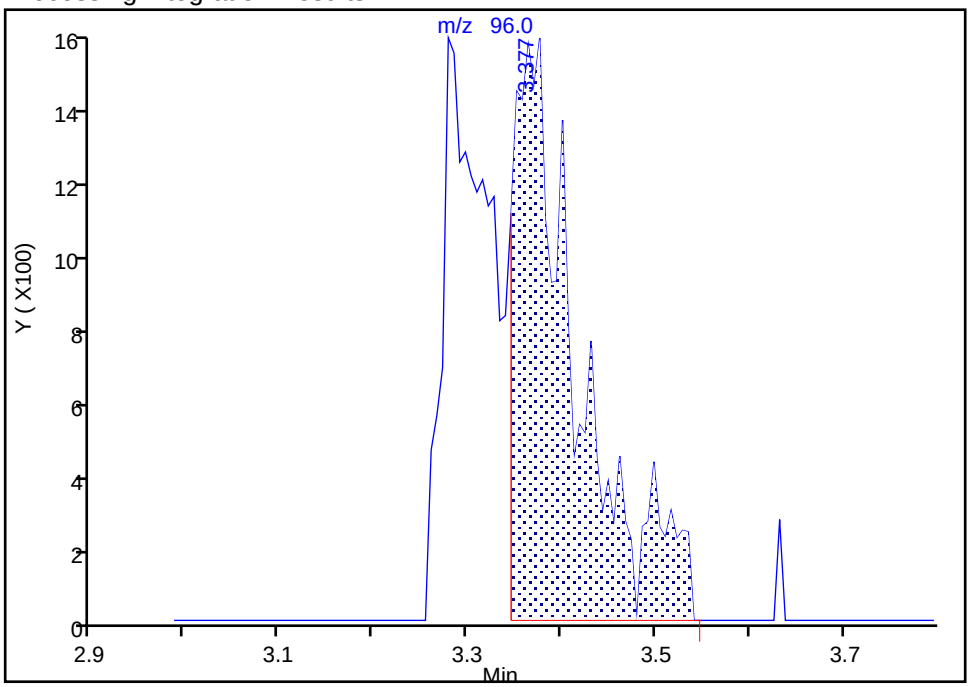
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D
Injection Date: 04-Nov-2021 11:31:30 Instrument ID: CHHP5
Lims ID: IC std5
Client ID:
Operator ID: 040712 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

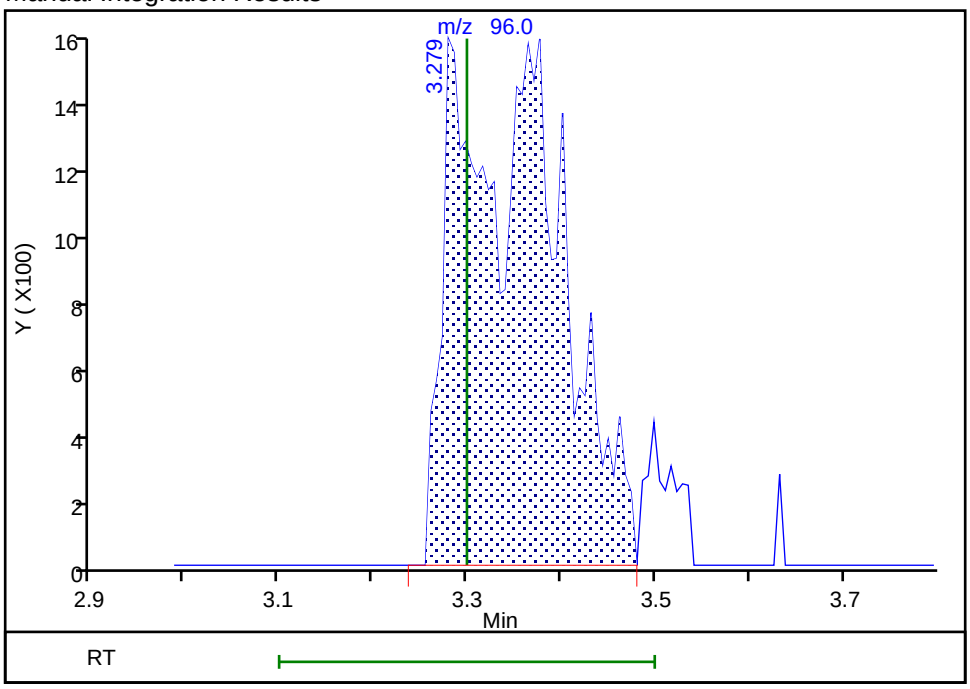
Processing Integration Results

RT: 3.38
Area: 7195
Amount: 5.733961
Amount Units: ng



Manual Integration Results

RT: 3.28
Area: 11524
Amount: 6.485255
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:42:34
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

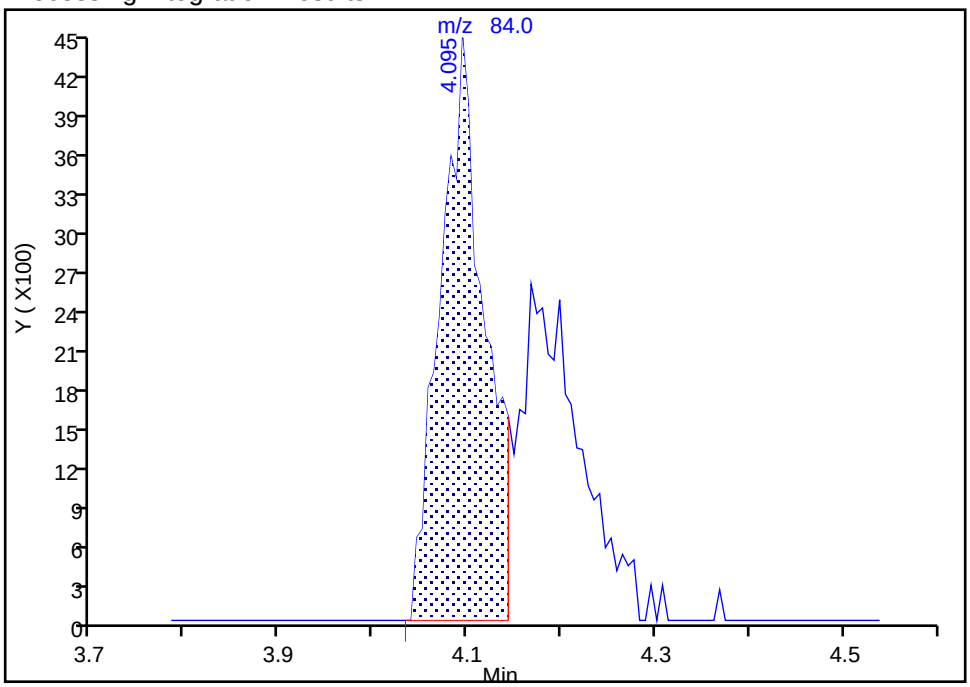
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D
Injection Date: 04-Nov-2021 11:31:30 Instrument ID: CHHP5
Lims ID: IC std5
Client ID:
Operator ID: 040712 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

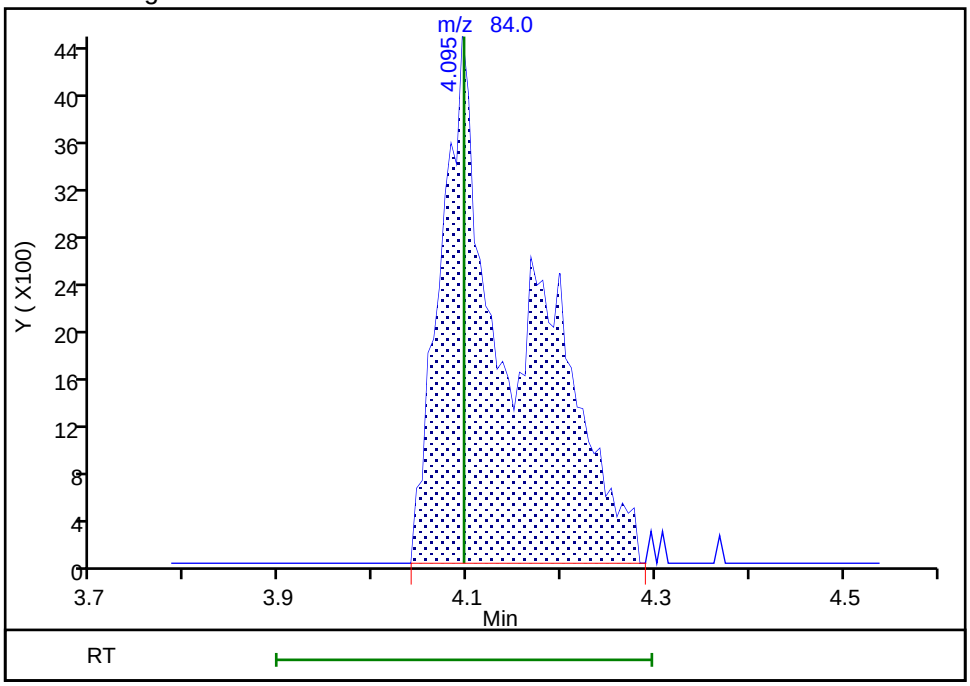
Processing Integration Results

RT: 4.09
Area: 14580
Amount: 10.662185
Amount Units: ng



Manual Integration Results

RT: 4.09
Area: 25501
Amount: 5.125470
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:08:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

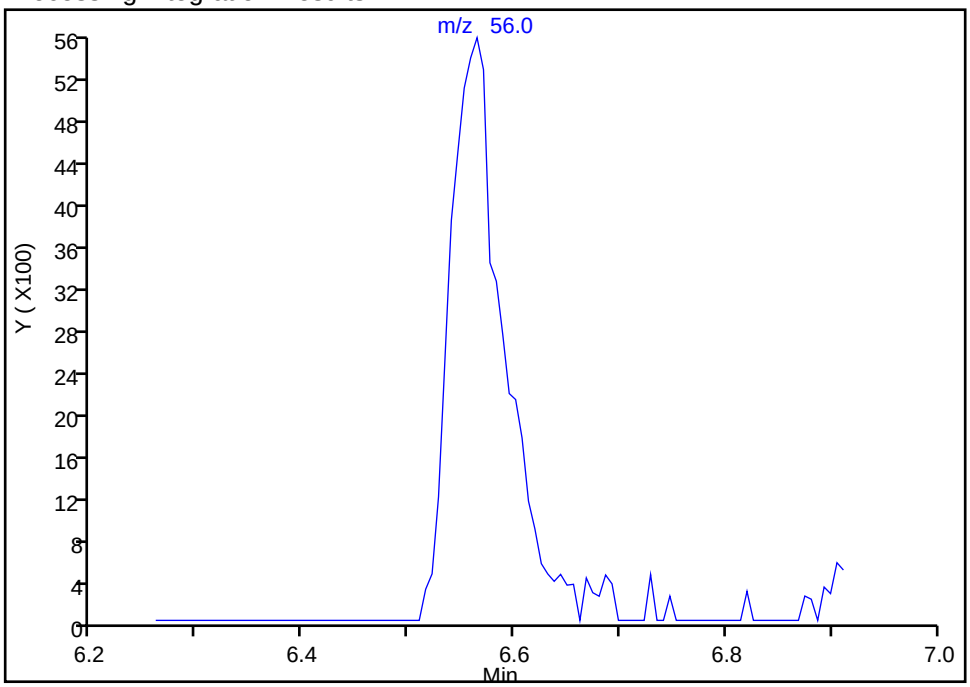
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D
Injection Date: 04-Nov-2021 11:31:30 Instrument ID: CHHP5
Lims ID: IC std5
Client ID:
Operator ID: 040712 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

54 Cyclohexane, CAS: 110-82-7

Signal: 1

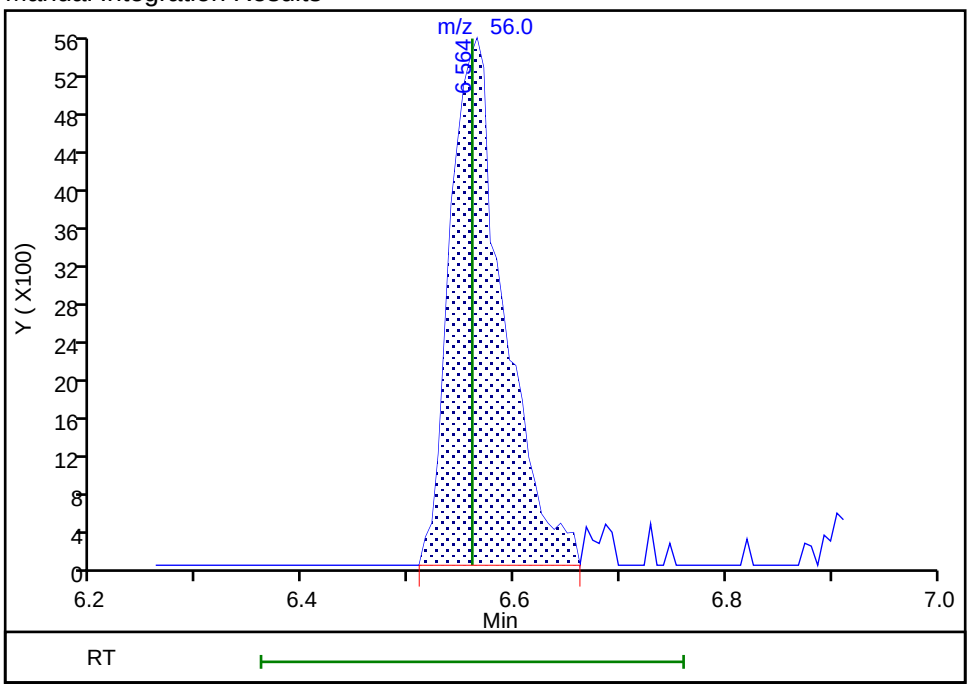
Not Detected
Expected RT: 6.56

Processing Integration Results



Manual Integration Results

RT: 6.56
Area: 19460
Amount: 4.938567
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 11:54:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

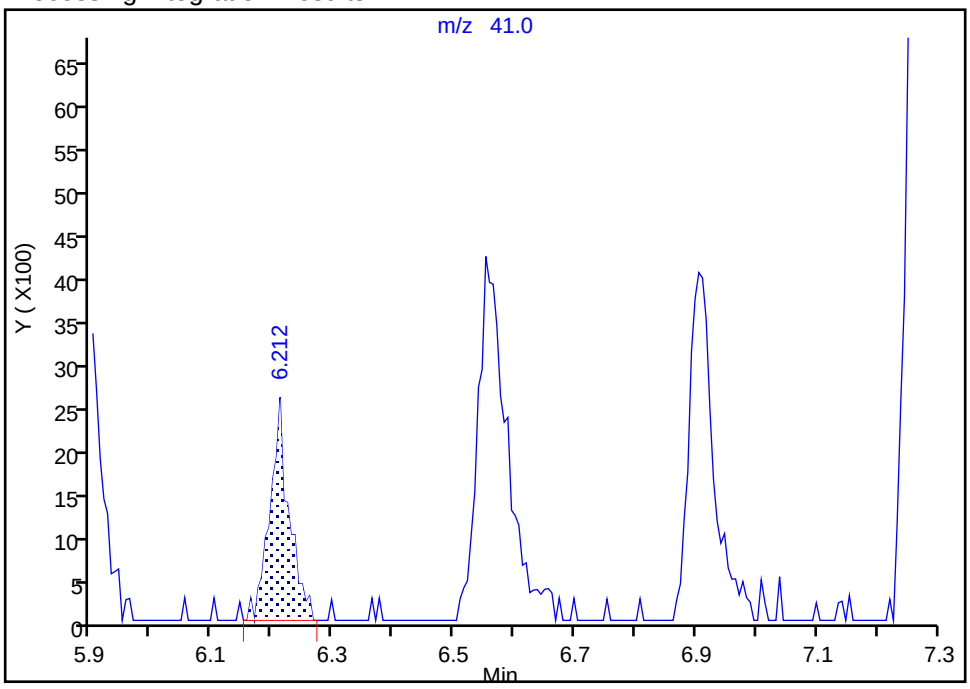
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104005.D				
Injection Date:	04-Nov-2021 11:31:30	Instrument ID:	CHHP5		
Lims ID:	IC std5				
Client ID:					
Operator ID:	040712	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

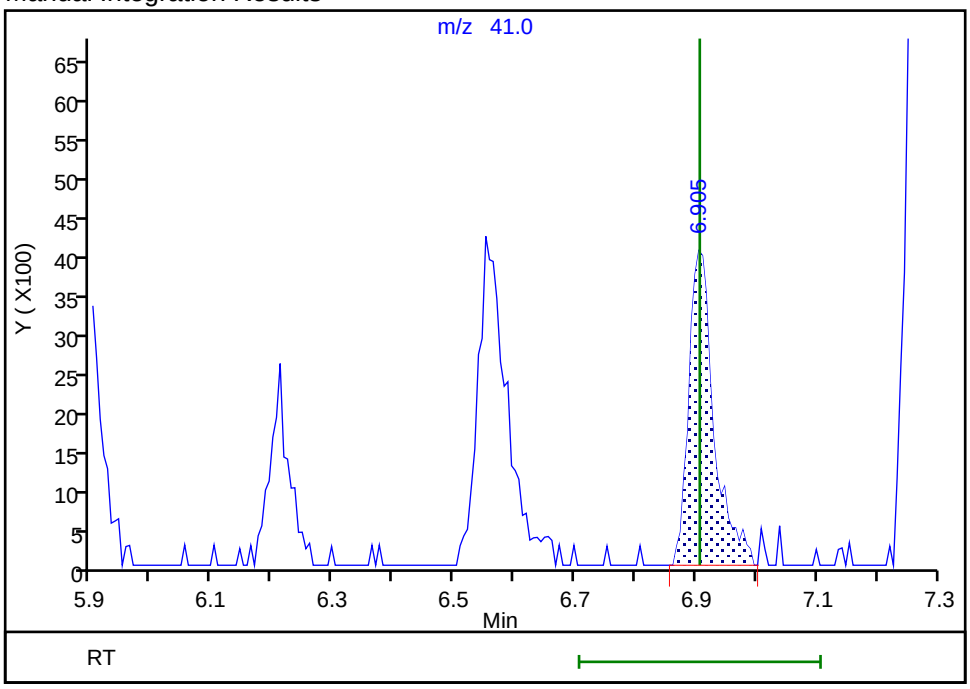
Processing Integration Results

RT: 6.21
Area: 5623
Amount: 110.7984
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 11643
Amount: 144.2888
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:00:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Lims ID: IC std25
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Nov-2021 11:57:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-006
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:04:54 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 12:31:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.237	4.230	0.007	0	151604	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.241	0.001	97	416522	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.339	10.344	-0.005	89	98472	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.681	12.680	0.001	88	177197	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.518	6.523	-0.005	80	52171	25.0	25.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.888	0.001	0	69662	25.0	25.0	
$ 7 Toluene-d8 (Surr)	98	8.891	8.890	0.001	0	182598	25.0	24.6	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.524	-0.005	0	67896	25.0	24.2	
11 Dichlorodifluoromethane	85	1.597	1.608	-0.011	0	68023	25.0	24.8	
12 Chloromethane	50	1.822	1.821	0.001	99	77225	25.0	25.4	M
13 Vinyl chloride	62	1.919	1.924	-0.005	97	67675	25.0	24.4	a
14 Butadiene	39	1.937	1.943	-0.006	89	74510	25.0	23.1	
15 Bromomethane	94	2.272	2.271	0.001	0	34559	25.0	22.9	
16 Chloroethane	64	2.406	2.399	0.007	0	30853	25.0	22.1	
18 Trichlorofluoromethane	101	2.680	2.679	0.001	0	33145	25.0	20.3	
17 Dichlorofluoromethane	67	2.667	2.685	-0.018	0	62674	25.0	21.8	
20 Ethyl ether	59	3.002	3.007	-0.005	0	46555	25.0	22.2	
22 1,1-Dichloroethene	96	3.294	3.299	-0.005	98	40497	25.0	21.1	M
24 Acetone	43	3.410	3.409	0.001	0	21885	25.0	18.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.422	3.415	0.007	0	40285	25.0	18.9	
25 Iodomethane	142	3.574	3.567	0.007	0	55904	25.0	20.0	
26 Carbon disulfide	76	3.647	3.628	0.019	0	117634	25.0	20.1	
28 3-Chloro-1-propene	76	3.878	3.865	0.013	0	28988	25.0	18.8	
30 Methyl acetate	43	3.890	3.895	-0.005	0	81458	50.0	41.0	
31 Methylene Chloride	84	4.097	4.096	0.001	97	68168	25.0	22.1	M
32 2-Methyl-2-propanol	59	4.377	4.370	0.007	0	42000	250.0	249.5	
33 Acrylonitrile	53	4.492	4.492	0.000	0	224753	250.0	237.9	
34 trans-1,2-Dichloroethene	96	4.511	4.510	0.001	0	55575	25.0	24.4	
35 Methyl tert-butyl ether	73	4.529	4.528	0.001	0	157236	25.0	24.2	
36 Hexane	57	4.937	4.936	0.000	0	85759	25.0	22.1	
37 1,1-Dichloroethane	63	5.162	5.155	0.007	0	105544	25.0	24.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.904	5.897	0.007	0	10675	25.0	25.2	
45 cis-1,2-Dichloroethene	96	5.910	5.909	0.001	0	58345	25.0	23.7	
46 2-Butanone (MEK)	43	5.928	5.927	0.001	0	33820	25.0	23.5	
49 Chlorobromomethane	128	6.190	6.189	0.001	0	30487	25.0	24.3	
51 Tetrahydrofuran	42	6.202	6.213	-0.011	0	33938	50.0	43.1	
52 Chloroform	83	6.342	6.341	0.001	0	110110	25.0	23.8	
53 1,1,1-Trichloroethane	97	6.488	6.493	-0.005	0	77601	25.0	23.6	
54 Cyclohexane	56	6.555	6.560	-0.005	0	87608	25.0	20.6	
56 Carbon tetrachloride	117	6.664	6.663	0.001	0	66316	25.0	23.2	
55 1,1-Dichloropropene	75	6.682	6.688	-0.006	0	72604	25.0	22.9	
58 Benzene	78	6.901	6.901	0.000	0	238905	25.0	24.2	
57 Isobutyl alcohol	41	6.908	6.907	0.001	52	51575	625.0	591.0	a
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	89009	25.0	25.1	
62 n-Heptane	43	7.260	7.260	0.000	0	101763	25.0	22.4	
64 Trichloroethene	130	7.631	7.631	0.000	0	55206	25.0	23.4	
66 Methylcyclohexane	83	7.863	7.862	0.001	0	84744	25.0	20.5	
67 1,2-Dichloropropane	63	7.905	7.904	0.001	0	62047	25.0	24.2	
70 1,4-Dioxane	88	7.996	7.990	0.006	0	10361	500.0	405.9	
68 Dibromomethane	93	7.996	7.990	0.006	0	32071	25.0	23.6	
71 Dichlorobromomethane	83	8.185	8.190	-0.005	0	66877	25.0	23.3	
74 cis-1,3-Dichloropropene	75	8.629	8.634	-0.005	0	68162	25.0	20.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	45912	25.0	21.0	
76 Toluene	91	8.958	8.957	0.001	0	224368	25.0	23.5	
77 trans-1,3-Dichloropropene	75	9.213	9.212	0.001	0	61979	25.0	22.0	
78 Ethyl methacrylate	69	9.274	9.273	0.001	0	51326	25.0	20.9	
79 1,1,2-Trichloroethane	97	9.402	9.407	-0.005	0	51819	25.0	25.7	
80 Tetrachloroethene	164	9.469	9.468	0.001	0	47131	25.0	24.8	
81 1,3-Dichloropropane	76	9.560	9.559	0.001	0	86164	25.0	23.7	
82 2-Hexanone	43	9.627	9.626	0.001	0	28910	25.0	20.4	
84 Chlorodibromomethane	129	9.767	9.772	-0.005	0	39553	25.0	22.2	
85 Ethylene Dibromide	107	9.882	9.882	0.000	0	46320	25.0	23.9	
87 Chlorobenzene	112	10.369	10.368	0.001	0	152415	25.0	24.2	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	53225	25.0	24.5	
90 Ethylbenzene	106	10.472	10.472	0.000	0	72007	25.0	21.8	
91 m-Xylene & p-Xylene	106	10.606	10.605	0.001	0	93678	25.0	23.0	
92 o-Xylene	106	10.983	10.983	0.000	0	87135	25.0	22.2	
93 Styrene	104	11.002	11.007	-0.005	0	146972	25.0	22.3	
94 Bromoform	173	11.190	11.183	0.007	0	21865	25.0	22.0	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	221297	25.0	21.8	
100 Bromobenzene	156	11.659	11.664	-0.005	0	61622	25.0	23.6	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.670	-0.005	0	63648	25.0	23.9	
102 trans-1,4-Dichloro-2-butene	53	11.707	11.707	0.000	0	7664	25.0	22.6	
101 1,2,3-Trichloropropane	110	11.720	11.719	0.001	0	21850	25.0	25.0	
103 N-Propylbenzene	120	11.762	11.761	0.001	0	63819	25.0	22.2	
104 2-Chlorotoluene	126	11.847	11.853	-0.006	0	60149	25.0	23.8	
106 1,3,5-Trimethylbenzene	105	11.945	11.950	-0.005	0	198455	25.0	22.5	
107 4-Chlorotoluene	126	11.975	11.974	0.001	0	64495	25.0	25.2	
108 tert-Butylbenzene	119	12.261	12.260	0.001	0	158126	25.0	21.5	
110 1,2,4-Trimethylbenzene	105	12.322	12.321	0.001	0	207995	25.0	22.8	
112 sec-Butylbenzene	105	12.480	12.485	-0.005	0	258351	25.0	22.2	
113 1,3-Dichlorobenzene	146	12.602	12.601	0.001	0	122573	25.0	23.8	
114 4-Isopropyltoluene	119	12.638	12.637	0.001	0	218016	25.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.705	12.704	0.001	0	130913	25.0	24.9	
120 n-Butylbenzene	91	13.046	13.045	0.001	0	186816	25.0	20.9	
121 1,2-Dichlorobenzene	146	13.058	13.057	0.001	0	125822	25.0	24.3	
122 1,2-Dibromo-3-Chloropropane	75	13.849	13.842	0.007	0	9118	25.0	23.1	
126 1,2,4-Trichlorobenzene	180	14.670	14.663	0.007	0	65494	25.0	21.2	
127 Hexachlorobutadiene	225	14.810	14.815	-0.005	0	46321	25.0	23.6	
128 Naphthalene	128	14.932	14.931	0.001	0	111364	25.0	19.5	
129 1,2,3-Trichlorobenzene	180	15.157	15.156	0.001	0	71515	25.0	23.0	
S 154 Total BTEX	106				0		125.0	114.6	
S 134 1,2-Dichloroethene, Total	96				0		50.0	48.2	
S 133 Xylenes, Total	106				0		50.0	45.2	
S 135 1,3-Dichloropropene, Total	1				0		50.0	42.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	1.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	1.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

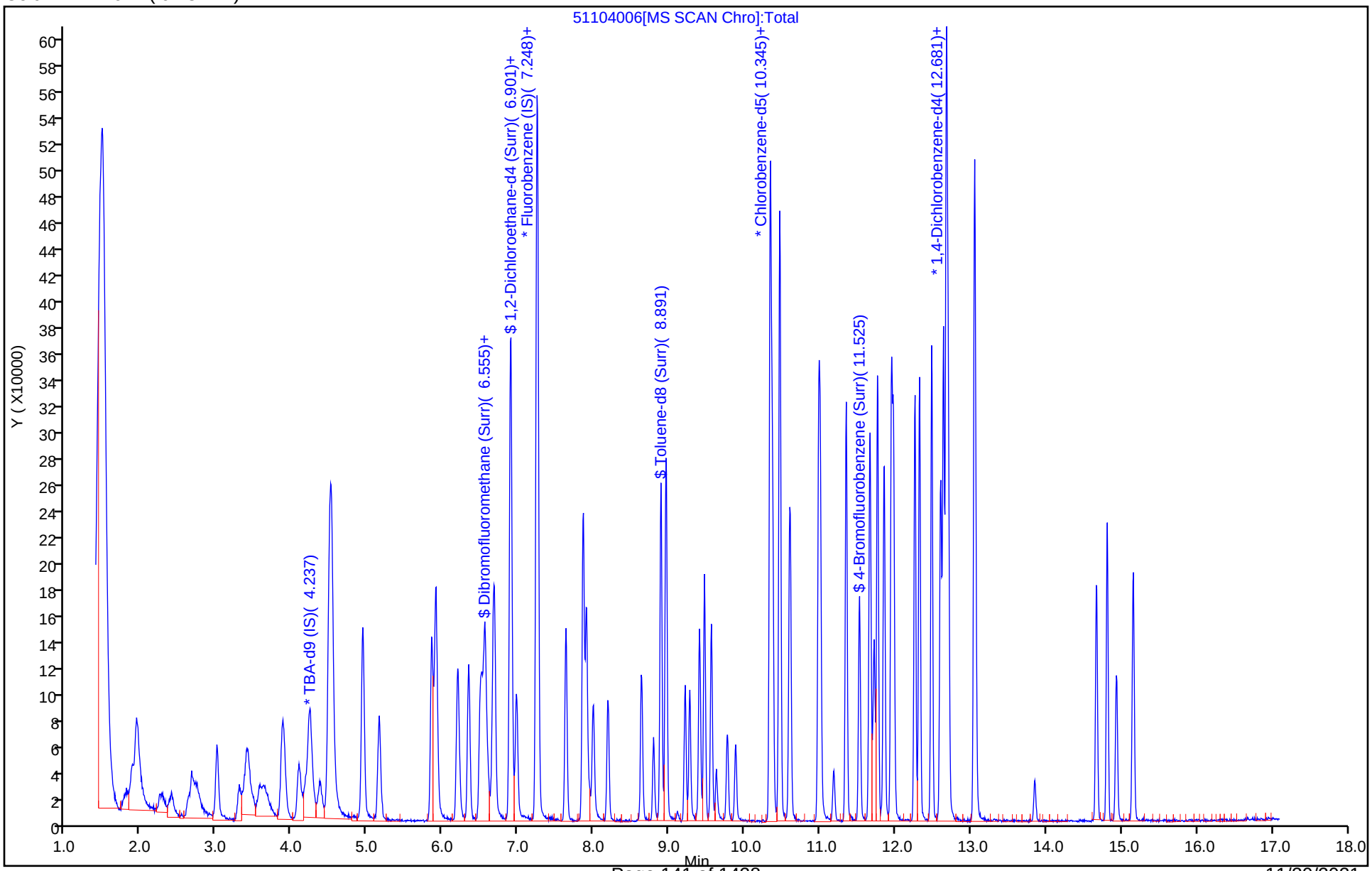
Report Date: 23-Nov-2021 08:04:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D

Injection Date:	04-Nov-2021 11:57:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std25			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

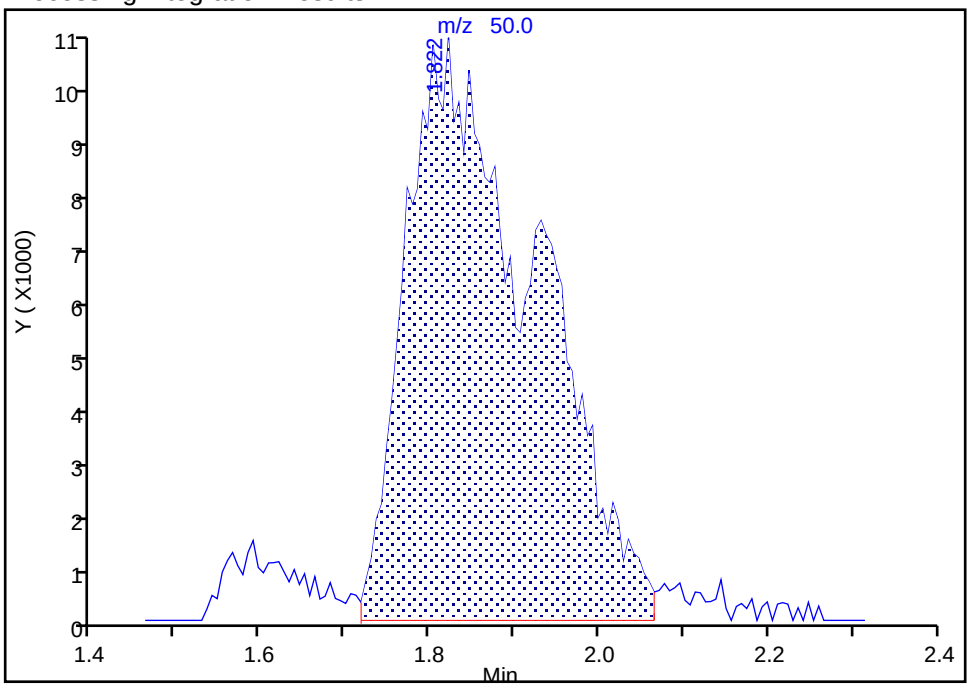
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Injection Date: 04-Nov-2021 11:57:30 Instrument ID: CHHP5
Lims ID: IC std25
Client ID:
Operator ID: 040712 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

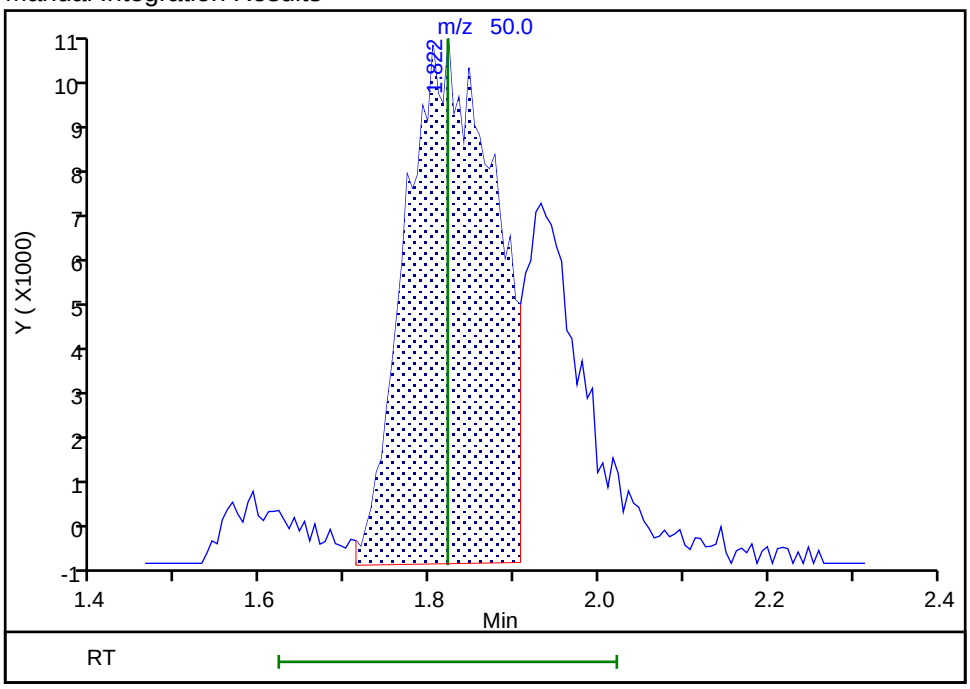
Processing Integration Results

RT: 1.82
Area: 110206
Amount: 26.636313
Amount Units: ng



Manual Integration Results

RT: 1.82
Area: 77225
Amount: 25.421011
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:45:20
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

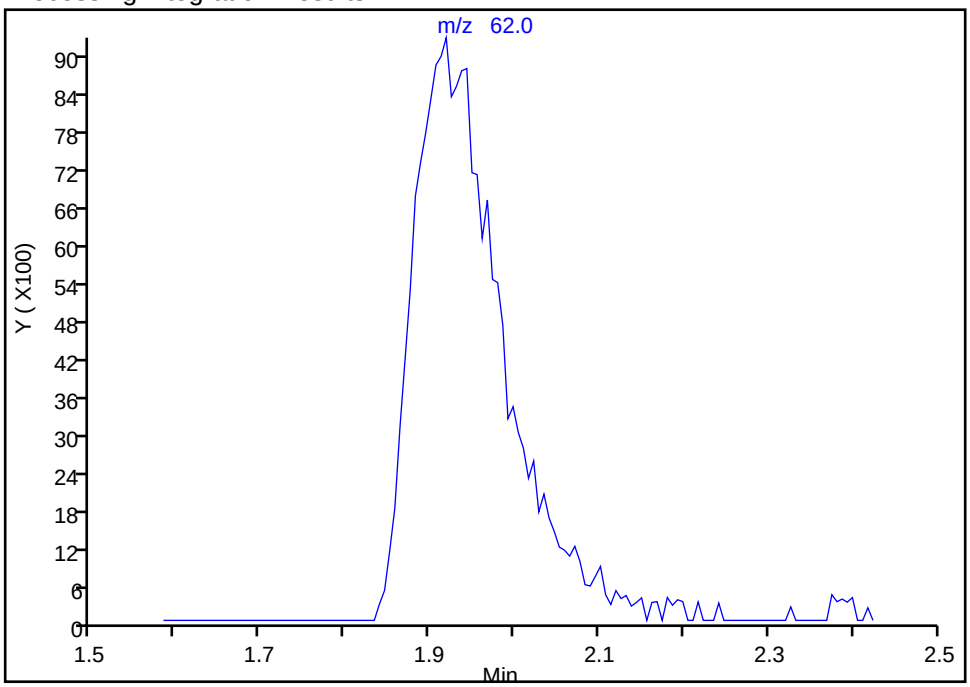
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Injection Date: 04-Nov-2021 11:57:30 Instrument ID: CHHP5
Lims ID: IC std25
Client ID:
Operator ID: 040712 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

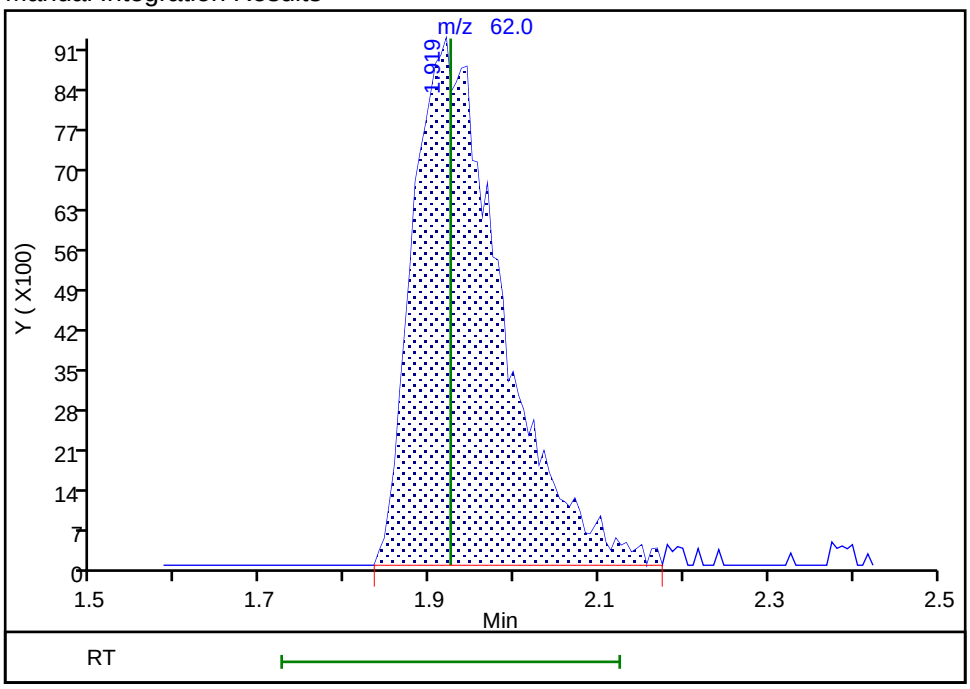
Not Detected
Expected RT: 1.92

Processing Integration Results



Manual Integration Results

RT: 1.92
Area: 67675
Amount: 24.415047
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 12:19:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

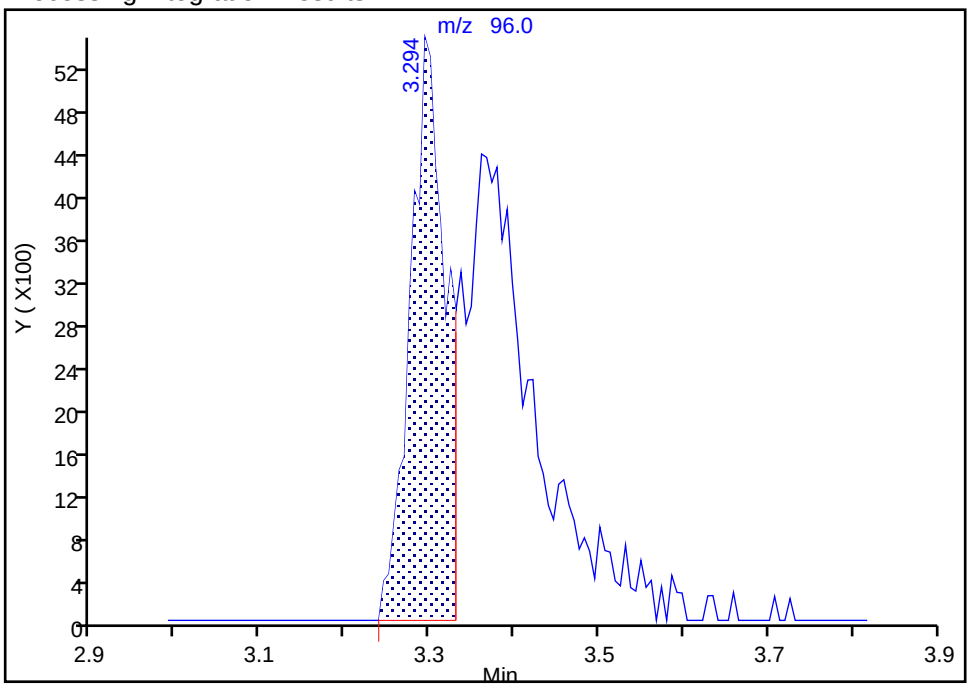
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Injection Date: 04-Nov-2021 11:57:30 Instrument ID: CHHP5
Lims ID: IC std25
Client ID:
Operator ID: 040712 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

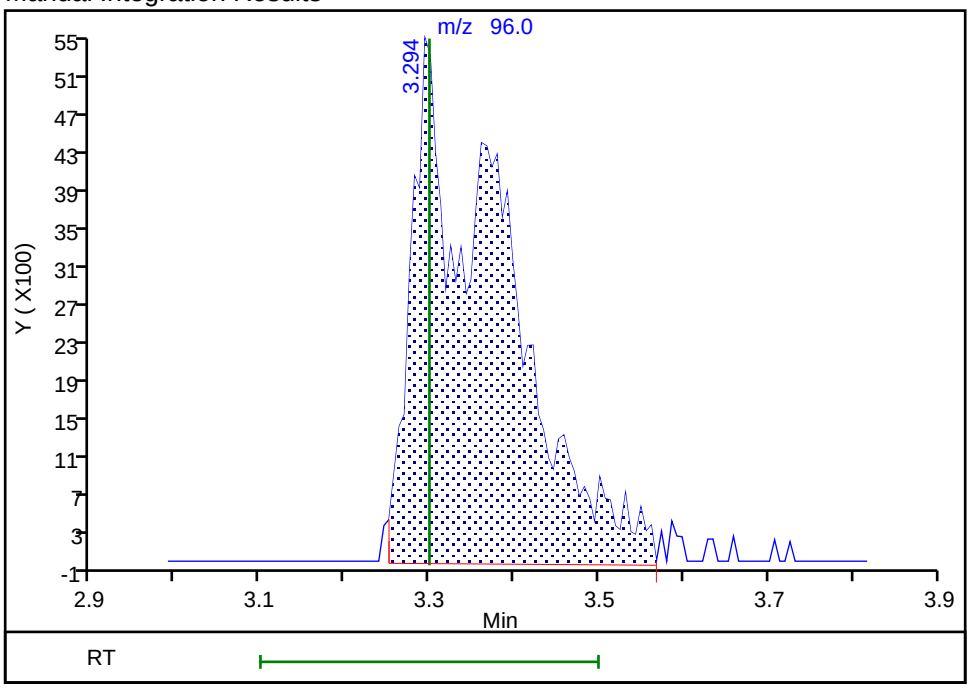
Processing Integration Results

RT: 3.29
Area: 15717
Amount: 12.646227
Amount Units: ng



Manual Integration Results

RT: 3.29
Area: 40497
Amount: 21.074524
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:43:47
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

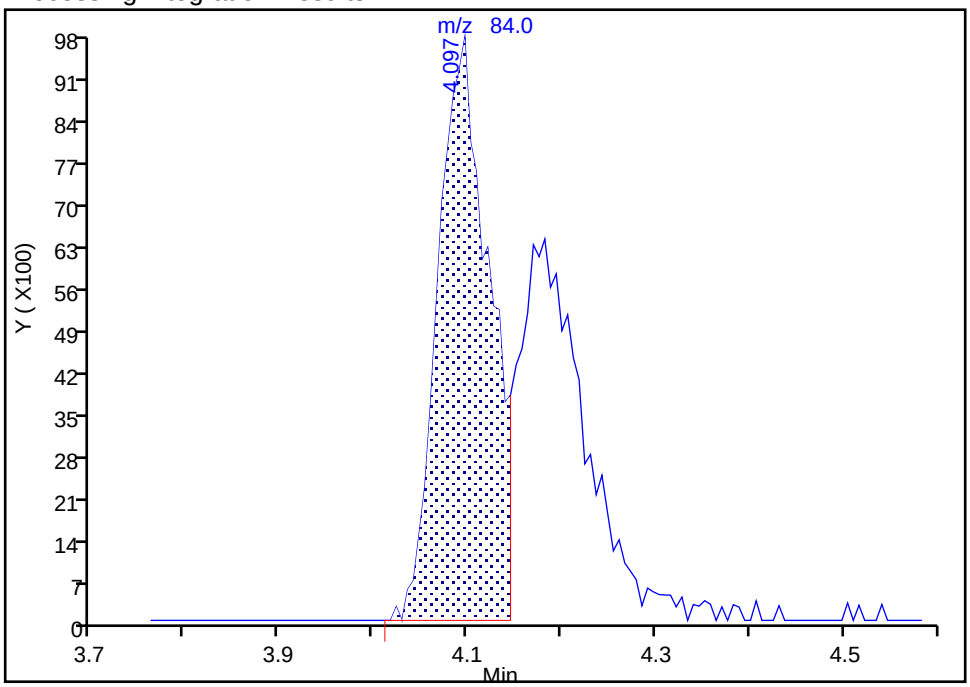
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Injection Date: 04-Nov-2021 11:57:30 Instrument ID: CHHP5
Lims ID: IC std25
Client ID:
Operator ID: 040712 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

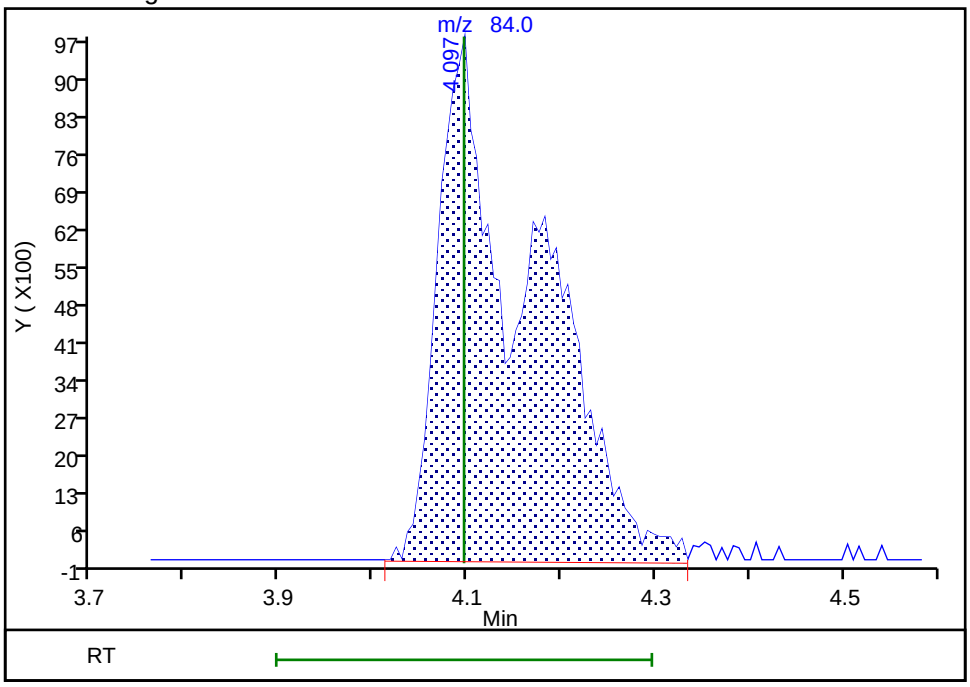
Processing Integration Results

RT: 4.10
Area: 37262
Amount: 20.516484
Amount Units: ng



Manual Integration Results

RT: 4.10
Area: 68168
Amount: 22.129525
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:09:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

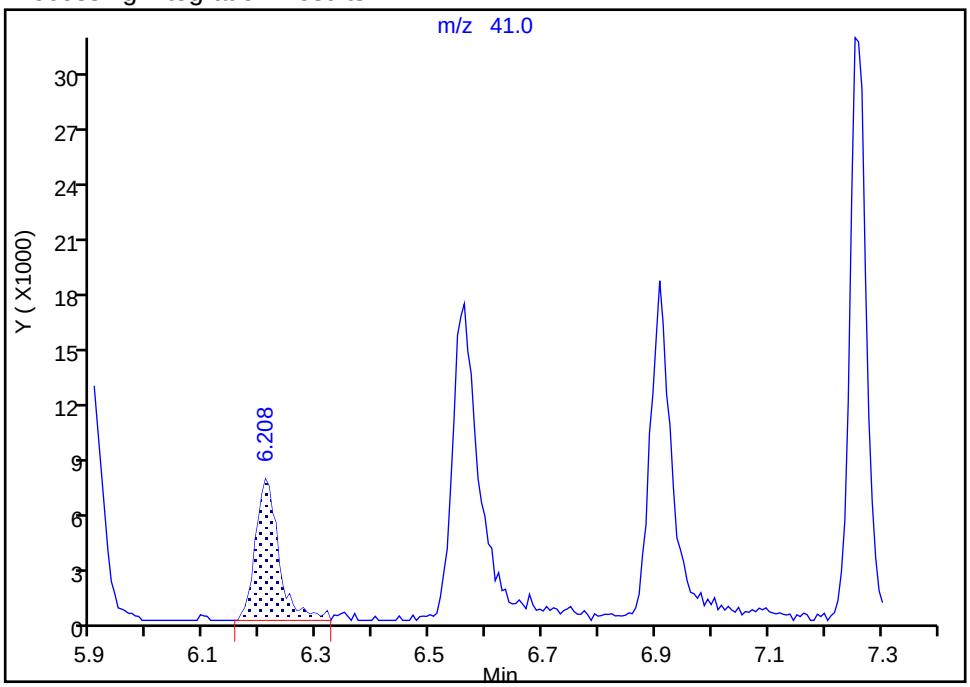
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104006.D
Injection Date: 04-Nov-2021 11:57:30 Instrument ID: CHHP5
Lims ID: IC std25
Client ID:
Operator ID: 040712 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

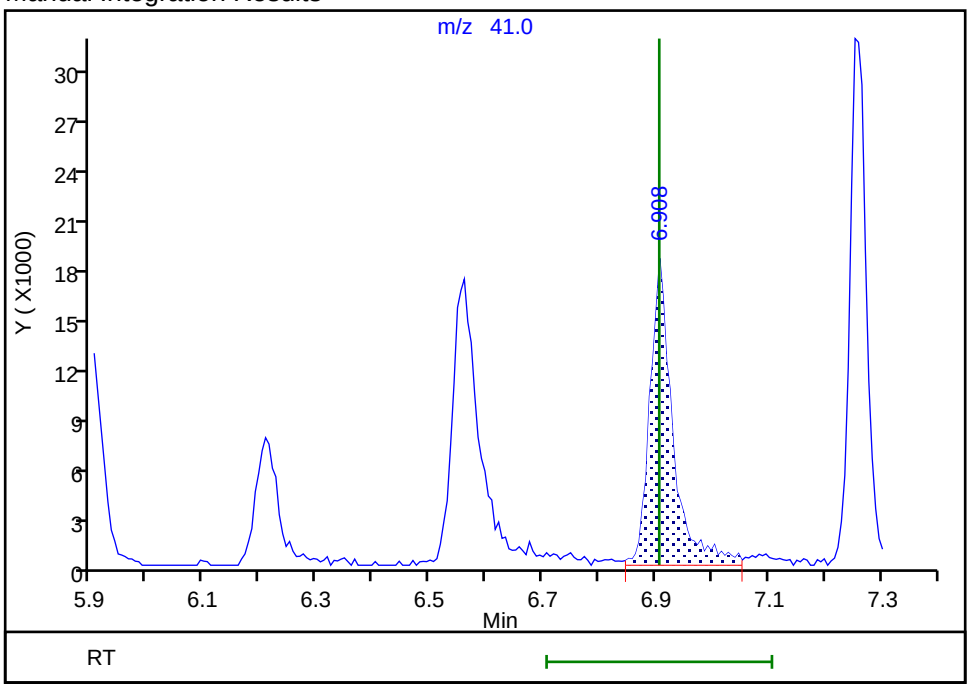
Processing Integration Results

RT: 6.21
Area: 21795
Amount: 445.4761
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 51575
Amount: 591.0416
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:00:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 04-Nov-2021 12:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-007
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:05:00 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 13:21:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.230	4.230	0.000	0	172299	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.241	7.241	0.000	96	433390	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	87	103280	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.680	12.680	0.000	75	186862	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.523	6.523	0.000	81	94275	50.0	44.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.888	6.888	0.000	0	133818	50.0	46.1	
$ 7 Toluene-d8 (Surr)	98	8.890	8.890	0.000	94	353096	50.0	45.3	
$ 8 4-Bromofluorobenzene (Surr)	95	11.524	11.524	0.000	85	133153	50.0	45.2	
11 Dichlorodifluoromethane	85	1.608	1.608	0.000	84	113107	50.0	39.6	
12 Chloromethane	50	1.821	1.821	0.000	88	135243	50.0	42.8	M
13 Vinyl chloride	62	1.924	1.924	0.000	74	119732	50.0	41.5	
14 Butadiene	39	1.943	1.943	0.000	78	134001	50.0	39.8	
15 Bromomethane	94	2.271	2.271	0.000	89	69756	50.0	48.2	
16 Chloroethane	64	2.399	2.399	0.000	89	67781	50.0	54.1	
18 Trichlorofluoromethane	101	2.679	2.679	0.000	39	77401	50.0	45.5	
17 Dichlorofluoromethane	67	2.685	2.685	0.000	96	125810	50.0	45.2	
20 Ethyl ether	59	3.007	3.007	0.000	94	94438	50.0	43.2	
22 1,1-Dichloroethene	96	3.299	3.299	0.000	95	83031	50.0	41.5	M
24 Acetone	43	3.409	3.409	0.000	97	48799	50.0	47.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.415	3.415	0.000	84	91037	50.0	41.0	
25 Iodomethane	142	3.567	3.567	0.000	96	117412	50.0	40.4	
26 Carbon disulfide	76	3.628	3.628	0.000	99	243344	50.0	39.9	
28 3-Chloro-1-propene	76	3.865	3.865	0.000	88	60009	50.0	37.4	
30 Methyl acetate	43	3.895	3.895	0.000	99	198396	100.0	95.9	
31 Methylene Chloride	84	4.096	4.096	0.000	98	126707	50.0	44.6	M
32 2-Methyl-2-propanol	59	4.370	4.370	0.000	88	93522	500.0	488.9	
33 Acrylonitrile	53	4.492	4.492	0.000	97	462211	500.0	470.2	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	65	95658	50.0	40.4	
35 Methyl tert-butyl ether	73	4.528	4.528	0.000	90	304402	50.0	45.0	
36 Hexane	57	4.936	4.936	0.000	95	159575	50.0	39.5	
37 1,1-Dichloroethane	63	5.155	5.155	0.000	98	189718	50.0	41.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.897	5.897	0.000	51	18376	50.0	41.8	
45 cis-1,2-Dichloroethene	96	5.909	5.909	0.000	83	105119	50.0	41.1	
46 2-Butanone (MEK)	43	5.927	5.927	0.000	70	66024	50.0	47.6	
49 Chlorobromomethane	128	6.189	6.189	0.000	92	56637	50.0	43.5	
51 Tetrahydrofuran	42	6.213	6.213	0.000	92	72613	100.0	88.7	
52 Chloroform	83	6.341	6.341	0.000	82	191394	50.0	43.0	
53 1,1,1-Trichloroethane	97	6.493	6.493	0.000	95	137366	50.0	40.2	
54 Cyclohexane	56	6.560	6.560	0.000	94	164619	50.0	37.1	
56 Carbon tetrachloride	117	6.663	6.663	0.000	68	118387	50.0	39.8	
55 1,1-Dichloropropene	75	6.688	6.688	0.000	90	135272	50.0	40.9	
58 Benzene	78	6.901	6.901	0.000	97	434354	50.0	42.2	
57 Isobutyl alcohol	41	6.907	6.907	0.000	91	101058	1250.0	1113.0	a
59 1,2-Dichloroethane	62	6.974	6.974	0.000	78	168547	50.0	45.6	
62 n-Heptane	43	7.260	7.260	0.000	90	194289	50.0	41.1	
64 Trichloroethene	130	7.631	7.631	0.000	91	99562	50.0	40.6	
66 Methylcyclohexane	83	7.862	7.862	0.000	95	165493	50.0	38.5	
67 1,2-Dichloropropane	63	7.904	7.904	0.000	91	114485	50.0	42.9	
70 1,4-Dioxane	88	7.990	7.990	0.000	46	25926	1000.0	976.2	
68 Dibromomethane	93	7.990	7.990	0.000	92	63289	50.0	44.8	
71 Dichlorobromomethane	83	8.190	8.190	0.000	97	128472	50.0	43.1	
74 cis-1,3-Dichloropropene	75	8.634	8.634	0.000	88	143836	50.0	41.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	98	109206	50.0	47.6	
76 Toluene	91	8.957	8.957	0.000	87	436919	50.0	43.6	
77 trans-1,3-Dichloropropene	75	9.212	9.212	0.000	97	133318	50.0	45.1	
78 Ethyl methacrylate	69	9.273	9.273	0.000	88	117892	50.0	45.7	
79 1,1,2-Trichloroethane	97	9.407	9.407	0.000	94	98774	50.0	46.7	
80 Tetrachloroethene	164	9.468	9.468	0.000	89	82336	50.0	41.3	
81 1,3-Dichloropropane	76	9.559	9.559	0.000	97	179843	50.0	47.2	
82 2-Hexanone	43	9.626	9.626	0.000	73	68627	50.0	46.2	
84 Chlorodibromomethane	129	9.772	9.772	0.000	87	83012	50.0	44.5	
85 Ethylene Dibromide	107	9.882	9.882	0.000	95	93629	50.0	46.1	
87 Chlorobenzene	112	10.368	10.368	0.000	93	288964	50.0	43.7	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	41	98073	50.0	43.1	
90 Ethylbenzene	106	10.472	10.472	0.000	99	144197	50.0	41.6	
91 m-Xylene & p-Xylene	106	10.605	10.605	0.000	0	185007	50.0	43.3	
92 o-Xylene	106	10.983	10.983	0.000	96	173959	50.0	42.2	
93 Styrene	104	11.007	11.007	0.000	96	305245	50.0	44.2	
94 Bromoform	173	11.183	11.183	0.000	91	46944	50.0	45.1	
97 Isopropylbenzene	105	11.348	11.348	0.000	96	440212	50.0	41.3	
100 Bromobenzene	156	11.664	11.664	0.000	94	122190	50.0	44.4	
99 1,1,2,2-Tetrachloroethane	83	11.670	11.670	0.000	86	133649	50.0	47.9	
102 trans-1,4-Dichloro-2-butene	53	11.707	11.707	0.000	26	21125	50.0	47.8	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	30	43332	50.0	47.0	
103 N-Propylbenzene	120	11.761	11.761	0.000	77	127917	50.0	42.2	
104 2-Chlorotoluene	126	11.853	11.853	0.000	95	113118	50.0	42.4	
106 1,3,5-Trimethylbenzene	105	11.950	11.950	0.000	92	398734	50.0	42.9	
107 4-Chlorotoluene	126	11.974	11.974	0.000	98	116798	50.0	43.3	
108 tert-Butylbenzene	119	12.260	12.260	0.000	92	319376	50.0	41.1	
110 1,2,4-Trimethylbenzene	105	12.321	12.321	0.000	59	415310	50.0	43.2	
112 sec-Butylbenzene	105	12.485	12.485	0.000	93	510556	50.0	41.6	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	97	234297	50.0	43.2	
114 4-Isopropyltoluene	119	12.637	12.637	0.000	90	434151	50.0	42.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.704	12.704	0.000	92	242182	50.0	43.7	
120 n-Butylbenzene	91	13.045	13.045	0.000	95	382377	50.0	40.6	
121 1,2-Dichlorobenzene	146	13.057	13.057	0.000	92	245377	50.0	44.9	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	56	18319	50.0	44.1	
126 1,2,4-Trichlorobenzene	180	14.663	14.663	0.000	94	138274	50.0	42.4	
127 Hexachlorobutadiene	225	14.815	14.815	0.000	94	85072	50.0	41.1	
128 Naphthalene	128	14.931	14.931	0.000	97	274167	50.0	39.8	
129 1,2,3-Trichlorobenzene	180	15.156	15.156	0.000	96	150260	50.0	45.9	
S 154 Total BTEX	106				0		250.0	213.0	
S 134 1,2-Dichloroethene, Total	96				0		100.0	81.5	
S 133 Xylenes, Total	106				0		100.0	85.5	
S 135 1,3-Dichloropropene, Total	1				0		100.0	86.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	2.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

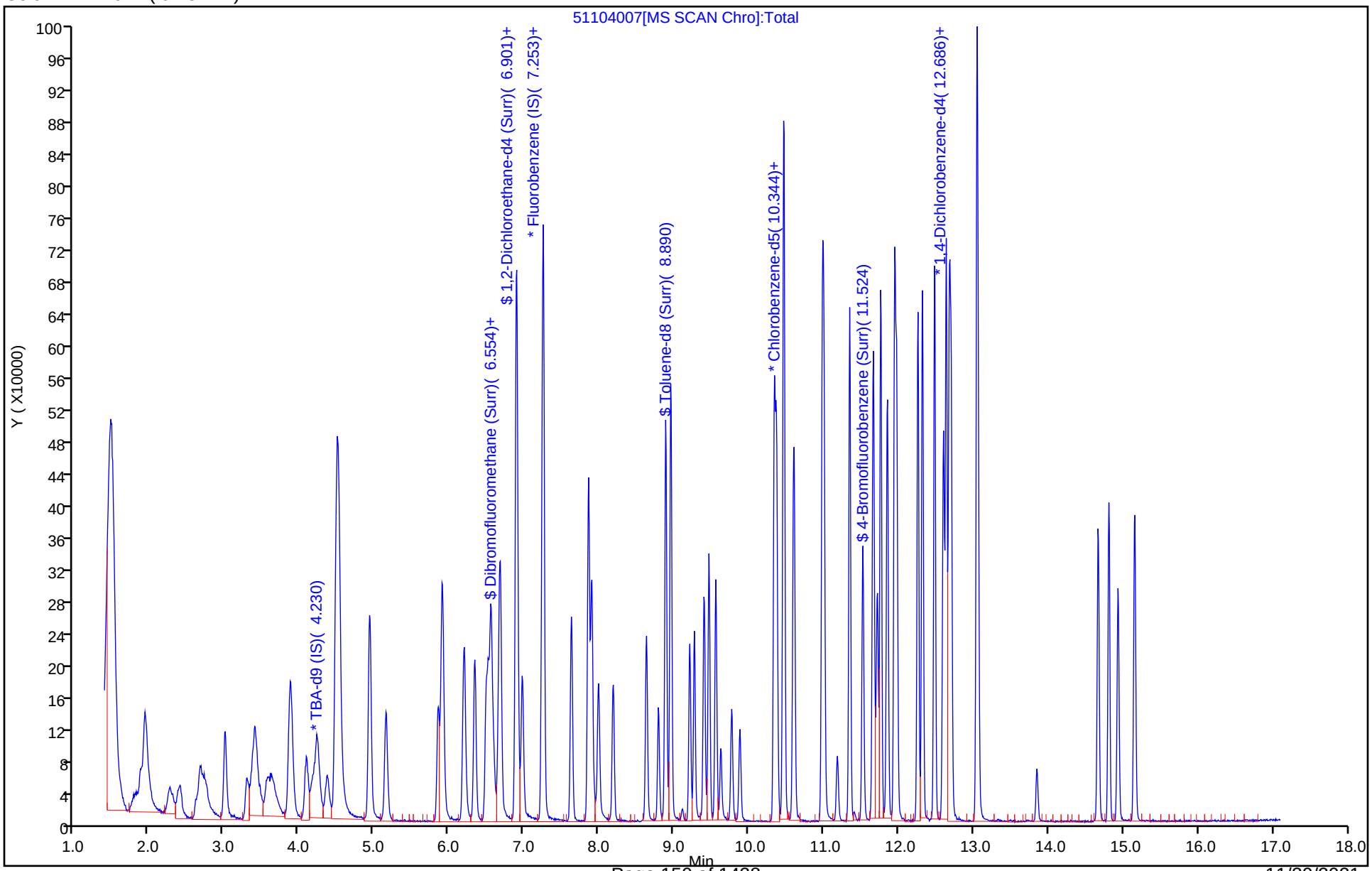
Report Date: 23-Nov-2021 08:05:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D

Injection Date:	04-Nov-2021 12:22:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	ICIS			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

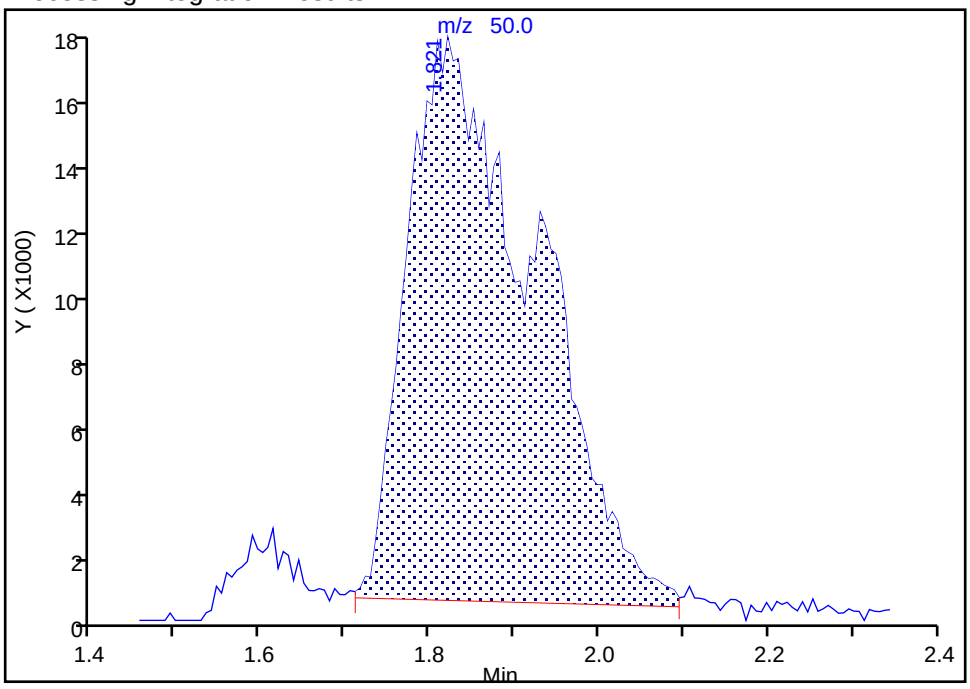
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D
Injection Date: 04-Nov-2021 12:22:30 Instrument ID: CHHP5
Lims ID: ICIS
Client ID:
Operator ID: 040712 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

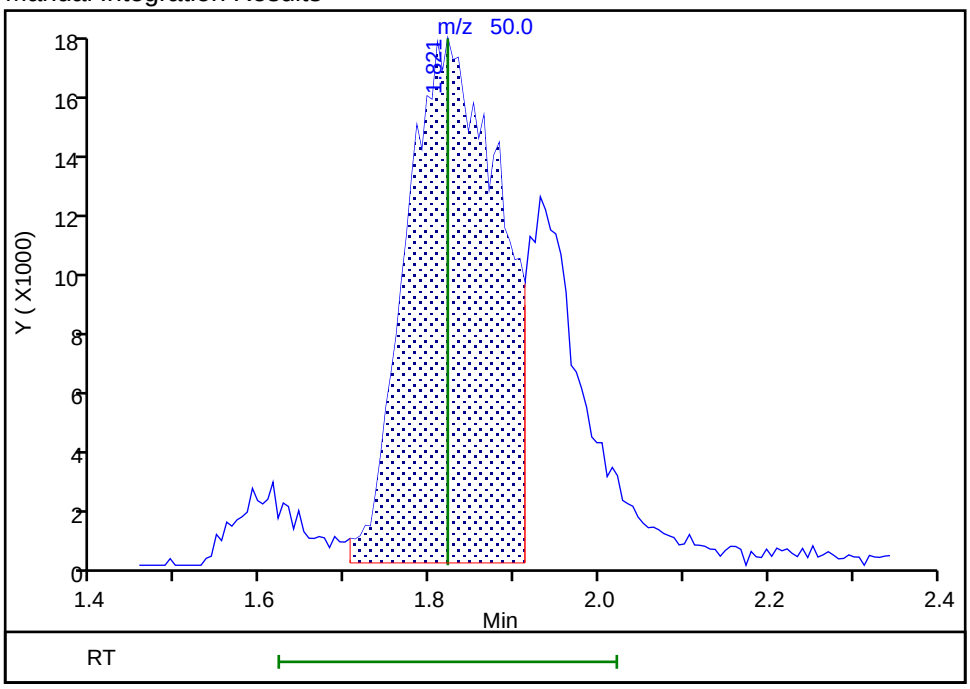
Processing Integration Results

RT: 1.82
Area: 177713
Amount: 42.983201
Amount Units: ng



Manual Integration Results

RT: 1.82
Area: 135243
Amount: 42.786696
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:46:03
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

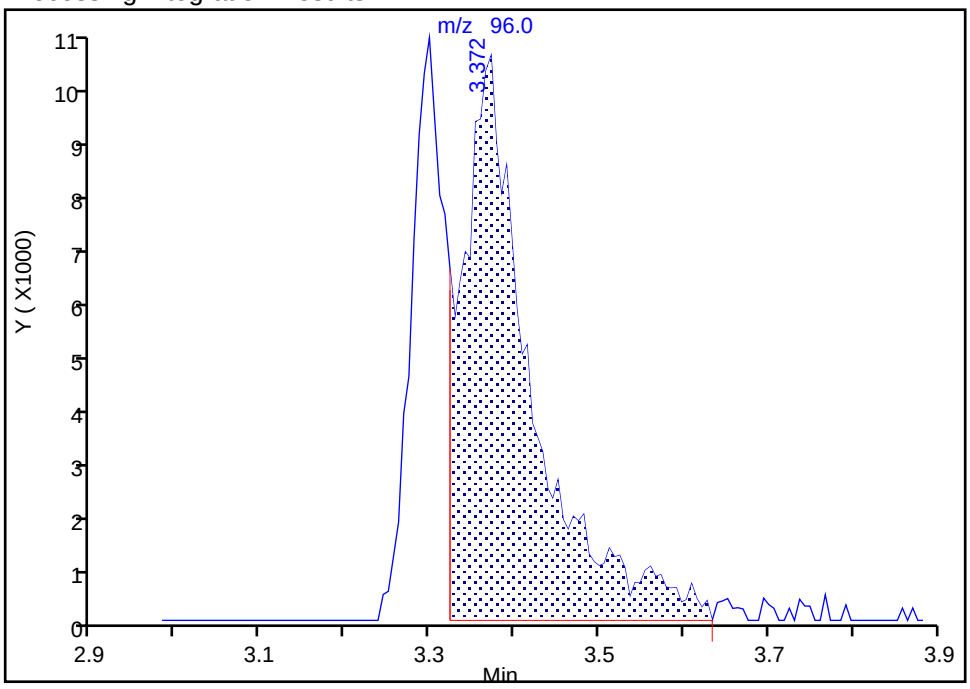
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D
Injection Date: 04-Nov-2021 12:22:30 Instrument ID: CHHP5
Lims ID: ICIS
Client ID:
Operator ID: 040712 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

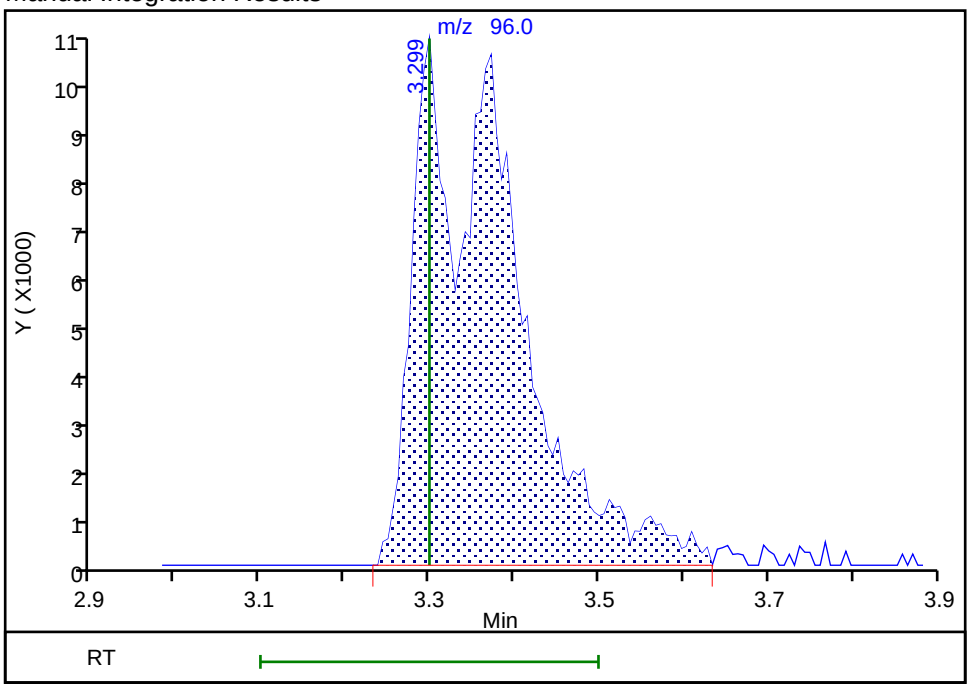
Processing Integration Results

RT: 3.37
Area: 57236
Amount: 41.249792
Amount Units: ng



Manual Integration Results

RT: 3.30
Area: 83031
Amount: 41.527352
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:44:13
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

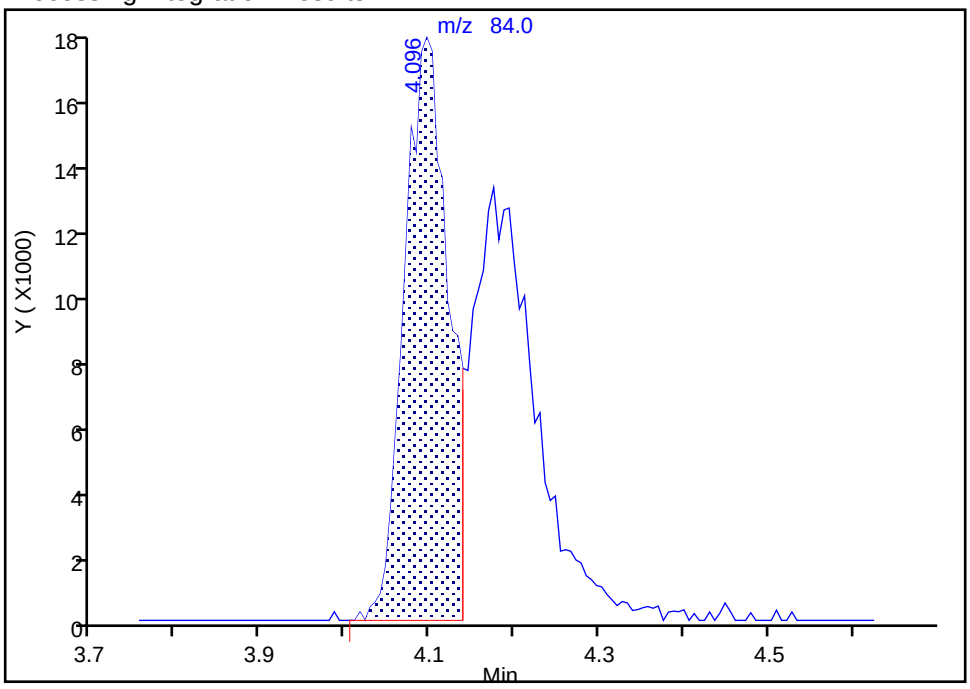
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D
Injection Date: 04-Nov-2021 12:22:30 Instrument ID: CHHP5
Lims ID: ICIS
Client ID:
Operator ID: 040712 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

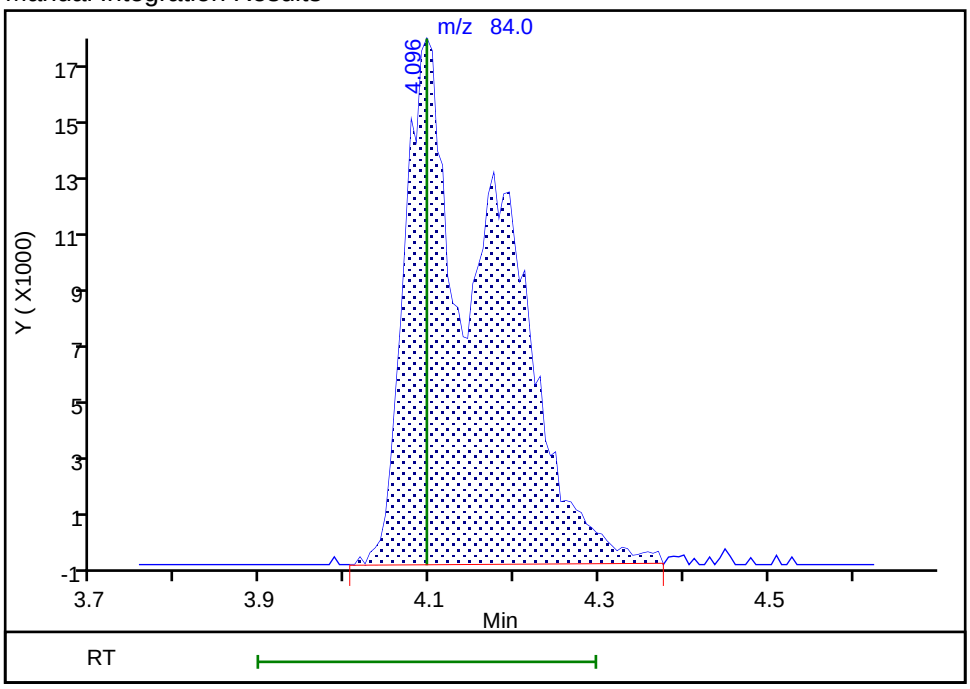
Processing Integration Results

RT: 4.10
Area: 62512
Amount: 30.147958
Amount Units: ng



Manual Integration Results

RT: 4.10
Area: 126707
Amount: 44.586285
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:09:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

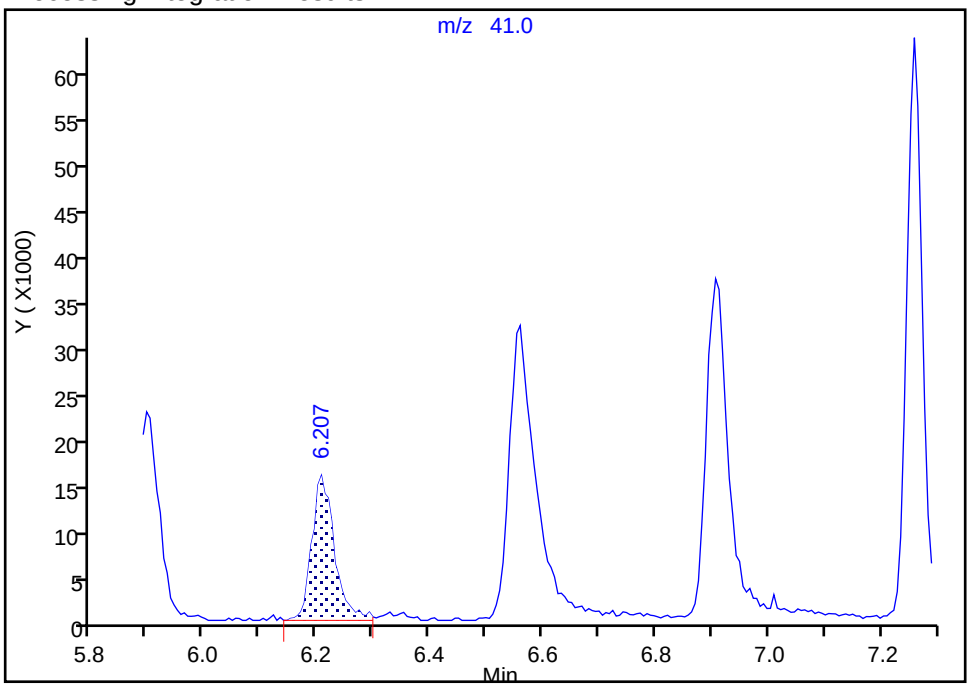
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104007.D				
Injection Date:	04-Nov-2021 12:22:30	Instrument ID:	CHHP5		
Lims ID:	ICIS				
Client ID:					
Operator ID:	040712	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

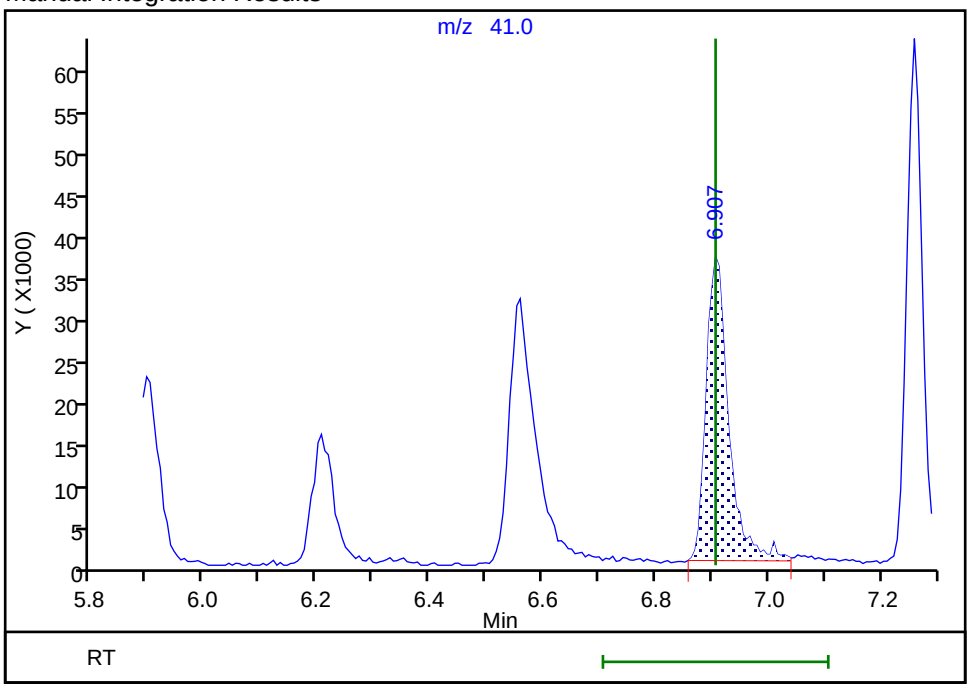
Processing Integration Results

RT: 6.21
Area: 43680
Amount: 967.0408
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 101058
Amount: 1113.0343
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 07:59:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D
Lims ID: IC std75
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Nov-2021 12:48:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-008
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:05:06 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 13:22:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.241	4.241	0.000	0	190809	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.246	7.246	0.000	92	425711	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.343	10.343	0.000	86	103657	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.679	12.679	0.000	74	191959	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.522	6.522	0.000	82	149201	75.0	71.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.887	6.887	0.000	0	201082	75.0	70.5	
$ 7 Toluene-d8 (Surr)	98	8.895	8.895	0.000	0	597654	75.0	76.3	
$ 8 4-Bromofluorobenzene (Surr)	95	11.523	11.523	0.000	0	220233	75.0	74.4	
11 Dichlorodifluoromethane	85	1.601	1.601	0.000	0	219681	75.0	78.3	
12 Chloromethane	50	1.814	1.814	0.000	99	235035	75.0	75.7	M
13 Vinyl chloride	62	1.911	1.911	0.000	73	227396	75.0	80.3	
14 Butadiene	39	1.935	1.935	0.000	0	253848	75.0	76.9	
15 Bromomethane	94	2.270	2.270	0.000	90	99548	75.0	71.8	
16 Chloroethane	64	2.391	2.391	0.000	0	85079	75.0	71.0	
18 Trichlorofluoromethane	101	2.702	2.702	0.000	0	116587	75.0	69.8	
17 Dichlorofluoromethane	67	2.671	2.671	0.000	0	213766	75.0	80.8	
20 Ethyl ether	59	3.006	3.006	0.000	96	168327	75.0	78.5	M
22 1,1-Dichloroethene	96	3.365	3.365	0.000	98	149551	75.0	76.1	M
24 Acetone	43	3.413	3.413	0.000	0	78128	75.0	81.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.407	3.407	0.000	0	181311	75.0	83.2	
25 Iodomethane	142	3.572	3.572	0.000	0	222114	75.0	77.9	
26 Carbon disulfide	76	3.639	3.639	0.000	0	461690	75.0	77.0	
28 3-Chloro-1-propene	76	3.870	3.870	0.000	0	127279	75.0	80.8	
30 Methyl acetate	43	3.894	3.894	0.000	0	307150	150.0	151.2	
31 Methylene Chloride	84	4.168	4.168	0.000	96	201756	75.0	76.3	M
32 2-Methyl-2-propanol	59	4.375	4.375	0.000	0	145048	750.0	684.6	
33 Acrylonitrile	53	4.490	4.490	0.000	0	738806	750.0	765.2	
34 trans-1,2-Dichloroethene	96	4.515	4.515	0.000	0	180175	75.0	77.5	
35 Methyl tert-butyl ether	73	4.533	4.533	0.000	0	484572	75.0	72.9	
36 Hexane	57	4.934	4.934	0.000	0	327036	75.0	82.3	
37 1,1-Dichloroethane	63	5.153	5.153	0.000	0	329184	75.0	73.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.902	5.902	0.000	0	32439	75.0	75.1	
45 cis-1,2-Dichloroethene	96	5.914	5.914	0.000	0	182898	75.0	72.8	
46 2-Butanone (MEK)	43	5.926	5.926	0.000	0	104506	75.0	79.2	
49 Chlorobromomethane	128	6.194	6.194	0.000	0	92746	75.0	72.5	
51 Tetrahydrofuran	42	6.206	6.206	0.000	90	115788	150.0	144.0	
52 Chloroform	83	6.340	6.340	0.000	0	320081	75.0	76.5	
53 1,1,1-Trichloroethane	97	6.492	6.492	0.000	0	256092	75.0	76.2	
54 Cyclohexane	56	6.559	6.559	0.000	0	345215	75.0	79.3	
56 Carbon tetrachloride	117	6.662	6.662	0.000	0	227096	75.0	77.8	
55 1,1-Dichloropropene	75	6.686	6.686	0.000	0	257698	75.0	79.4	
58 Benzene	78	6.899	6.899	0.000	0	764159	75.0	75.6	
57 Isobutyl alcohol	41	6.905	6.905	0.000	93	170300	1875.0	1909.5	a
59 1,2-Dichloroethane	62	6.972	6.972	0.000	0	261028	75.0	72.0	
62 n-Heptane	43	7.258	7.258	0.000	0	376631	75.0	81.0	
64 Trichloroethene	130	7.635	7.635	0.000	0	181074	75.0	75.2	
66 Methylcyclohexane	83	7.860	7.860	0.000	0	338383	75.0	80.2	
67 1,2-Dichloropropane	63	7.903	7.903	0.000	0	191653	75.0	73.2	
70 1,4-Dioxane	88	7.994	7.994	0.000	0	41626	1500.0	1595.6	
68 Dibromomethane	93	7.988	7.988	0.000	0	102624	75.0	74.0	
71 Dichlorobromomethane	83	8.189	8.189	0.000	0	208219	75.0	71.1	
74 cis-1,3-Dichloropropene	75	8.633	8.633	0.000	0	243556	75.0	71.6	
75 4-Methyl-2-pentanone (MIBK)	43	8.791	8.791	0.000	0	173701	75.0	75.4	
76 Toluene	91	8.962	8.962	0.000	0	787477	75.0	78.4	
77 trans-1,3-Dichloropropene	75	9.211	9.211	0.000	0	225453	75.0	76.0	
78 Ethyl methacrylate	69	9.272	9.272	0.000	0	200657	75.0	77.5	
79 1,1,2-Trichloroethane	97	9.406	9.406	0.000	0	150656	75.0	70.9	
80 Tetrachloroethene	164	9.467	9.467	0.000	0	156463	75.0	78.2	
81 1,3-Dichloropropane	76	9.558	9.558	0.000	0	284810	75.0	74.5	
82 2-Hexanone	43	9.625	9.625	0.000	0	115301	75.0	77.3	
84 Chlorodibromomethane	129	9.771	9.771	0.000	0	137086	75.0	73.2	
85 Ethylene Dibromide	107	9.880	9.880	0.000	0	148591	75.0	72.9	
87 Chlorobenzene	112	10.373	10.373	0.000	0	492068	75.0	74.2	
89 1,1,1,2-Tetrachloroethane	131	10.464	10.464	0.000	0	166669	75.0	73.0	
90 Ethylbenzene	106	10.470	10.470	0.000	0	274969	75.0	79.1	
91 m-Xylene & p-Xylene	106	10.604	10.604	0.000	0	340931	75.0	79.4	
92 o-Xylene	106	10.981	10.981	0.000	0	324489	75.0	78.5	
93 Styrene	104	11.006	11.006	0.000	0	544295	75.0	78.6	
94 Bromoform	173	11.182	11.182	0.000	0	80020	75.0	76.5	
97 Isopropylbenzene	105	11.346	11.346	0.000	0	862863	75.0	80.7	
100 Bromobenzene	156	11.663	11.663	0.000	0	207658	75.0	73.4	
99 1,1,2,2-Tetrachloroethane	83	11.669	11.669	0.000	0	212527	75.0	75.9	
102 trans-1,4-Dichloro-2-butene	53	11.705	11.705	0.000	0	44027	75.0	82.5	
101 1,2,3-Trichloropropane	110	11.717	11.717	0.000	0	69651	75.0	73.6	
103 N-Propylbenzene	120	11.760	11.760	0.000	0	248523	75.0	79.8	
104 2-Chlorotoluene	126	11.851	11.851	0.000	0	207589	75.0	75.8	
106 1,3,5-Trimethylbenzene	105	11.949	11.949	0.000	0	754705	75.0	79.0	
107 4-Chlorotoluene	126	11.973	11.973	0.000	0	215556	75.0	77.7	
108 tert-Butylbenzene	119	12.259	12.259	0.000	0	631735	75.0	79.2	
110 1,2,4-Trimethylbenzene	105	12.320	12.320	0.000	0	778317	75.0	78.8	
112 sec-Butylbenzene	105	12.484	12.484	0.000	0	998033	75.0	79.2	
113 1,3-Dichlorobenzene	146	12.600	12.600	0.000	0	410916	75.0	73.7	
114 4-Isopropyltoluene	119	12.636	12.636	0.000	0	850921	75.0	80.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.703	12.703	0.000	0	411961	75.0	72.4	
120 n-Butylbenzene	91	13.044	13.044	0.000	0	766548	75.0	79.2	
121 1,2-Dichlorobenzene	146	13.062	13.062	0.000	0	406094	75.0	72.3	
122 1,2-Dibromo-3-Chloropropane	75	13.847	13.847	0.000	0	32017	75.0	75.0	
126 1,2,4-Trichlorobenzene	180	14.668	14.668	0.000	0	242295	75.0	72.4	
127 Hexachlorobutadiene	225	14.808	14.808	0.000	0	157241	75.0	73.9	
128 Naphthalene	128	14.929	14.929	0.000	0	511642	75.0	68.8	
129 1,2,3-Trichlorobenzene	180	15.155	15.155	0.000	0	247890	75.0	73.6	
S 154 Total BTEX	106				0		375.0	391.0	
S 134 1,2-Dichloroethene, Total	96				0		150.0	150.3	
S 133 Xylenes, Total	106				0		150.0	158.0	
S 135 1,3-Dichloropropene, Total	1				0		150.0	147.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	3.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	3.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

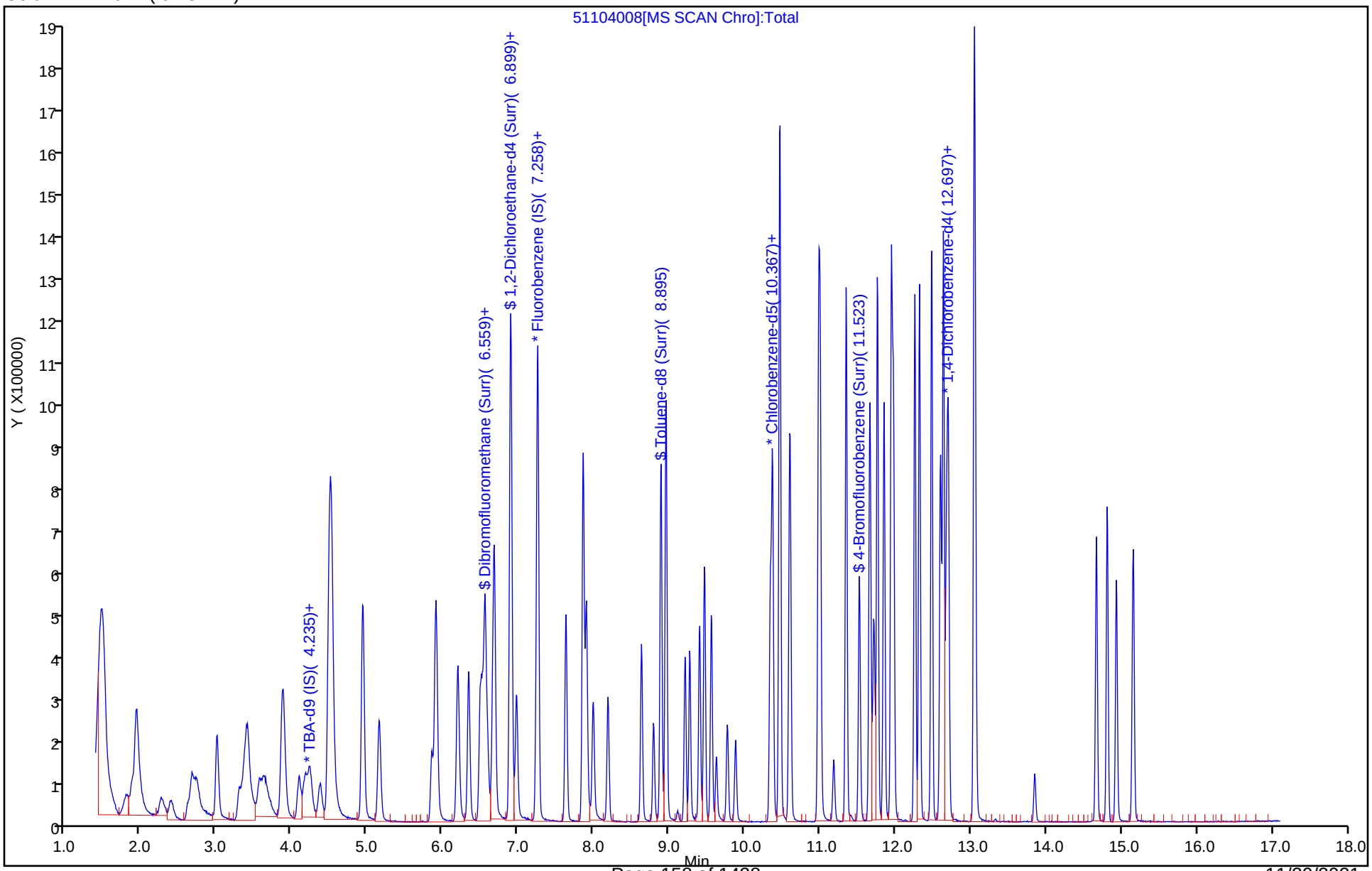
Report Date: 23-Nov-2021 08:05:08 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D

Injection Date:	04-Nov-2021 12:48:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std75			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

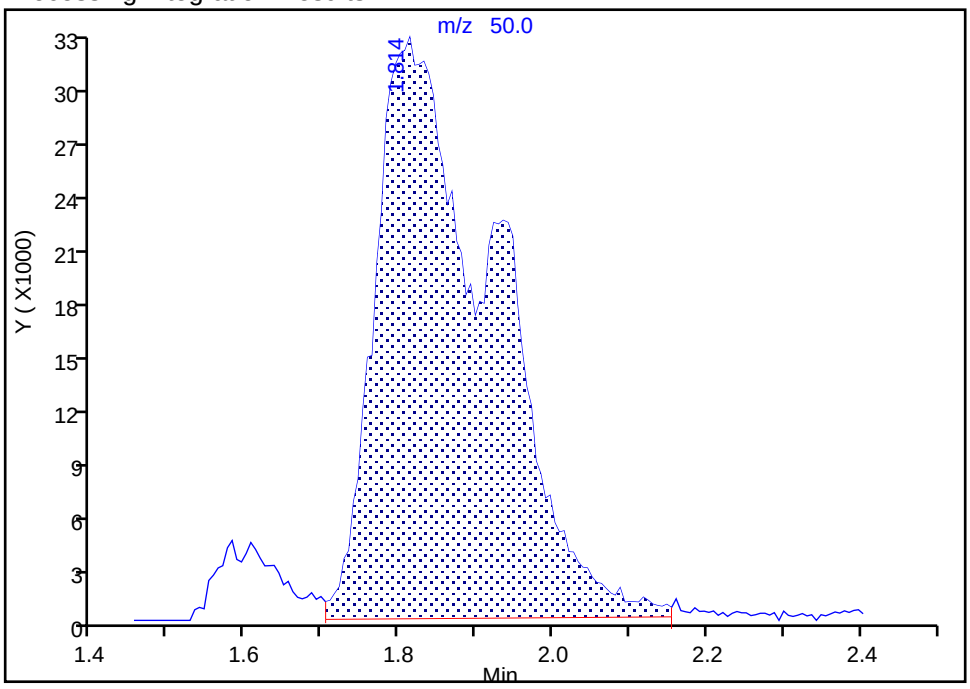
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D				
Injection Date:	04-Nov-2021 12:48:30	Instrument ID:	CHHP5		
Lims ID:	IC std75				
Client ID:					
Operator ID:	040712	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

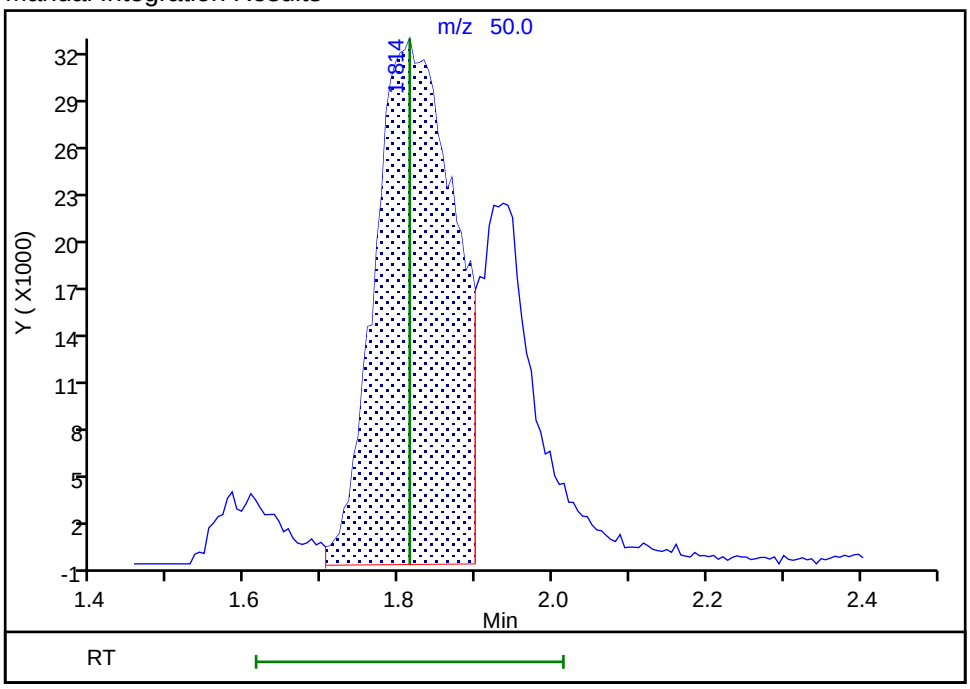
Processing Integration Results

RT: 1.81
Area: 344323
Amount: 87.017813
Amount Units: ng



Manual Integration Results

RT: 1.81
Area: 235035
Amount: 75.699064
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:46:35

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

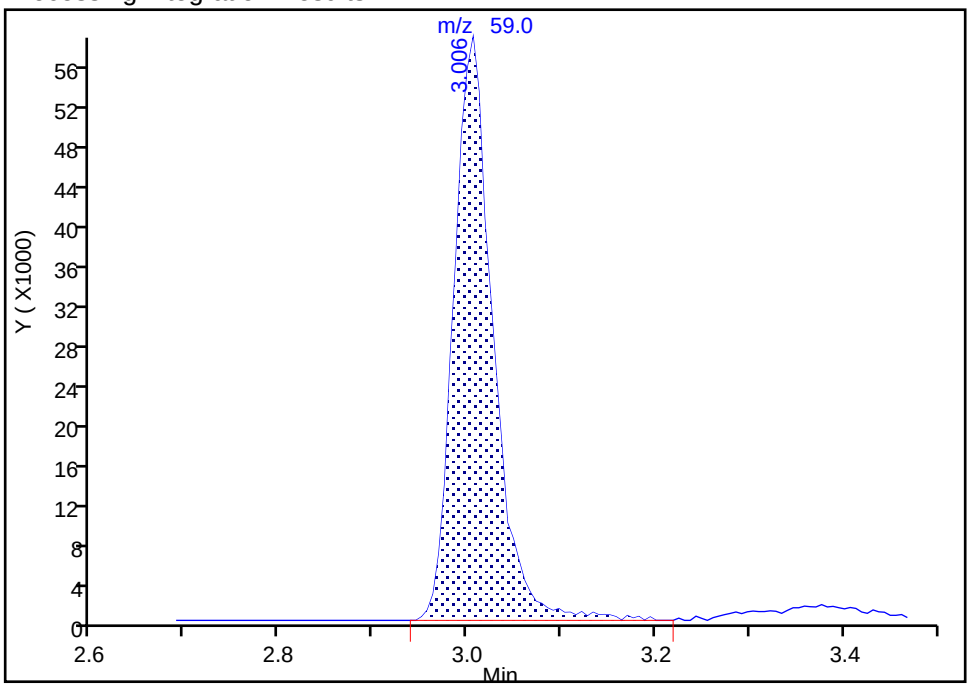
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D
Injection Date: 04-Nov-2021 12:48:30 Instrument ID: CHHP5
Lims ID: IC std75
Client ID:
Operator ID: 040712 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

20 Ethyl ether, CAS: 60-29-7

Signal: 1

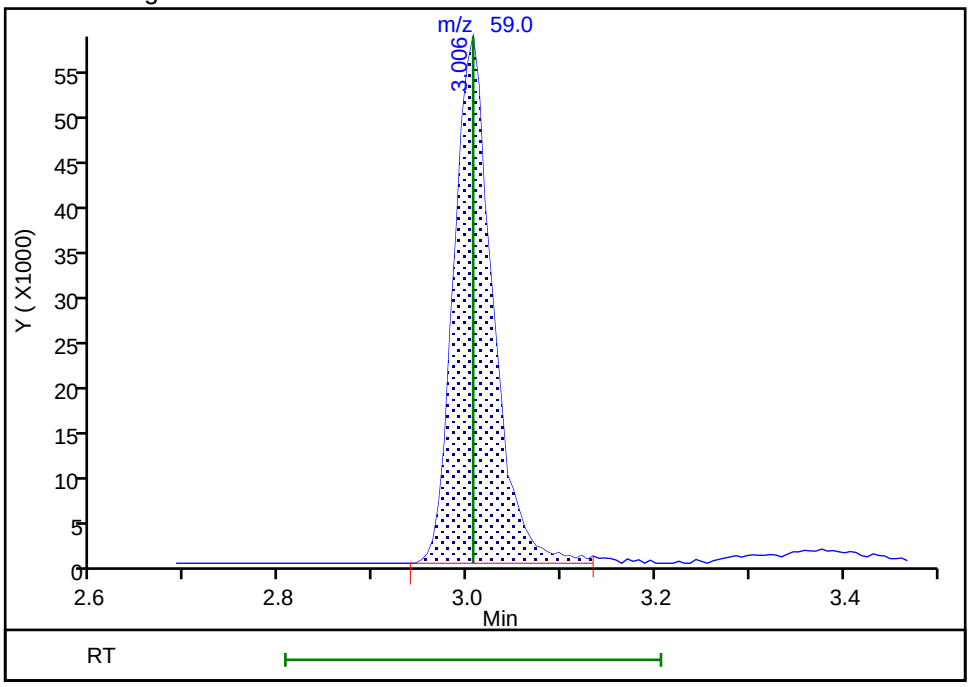
Processing Integration Results

RT: 3.01
Area: 169582
Amount: 78.544919
Amount Units: ng



Manual Integration Results

RT: 3.01
Area: 168327
Amount: 78.452374
Amount Units: ng



Reviewer: tangj, 05-Nov-2021 08:02:30
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Pittsburgh

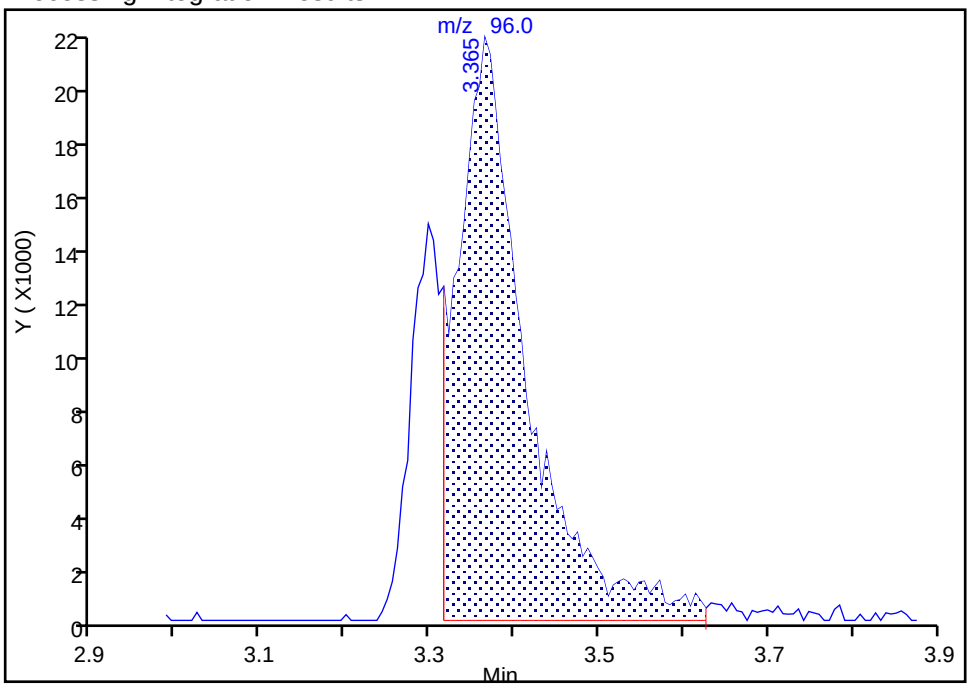
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D
Injection Date: 04-Nov-2021 12:48:30 Instrument ID: CHHP5
Lims ID: IC std75
Client ID:
Operator ID: 040712 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

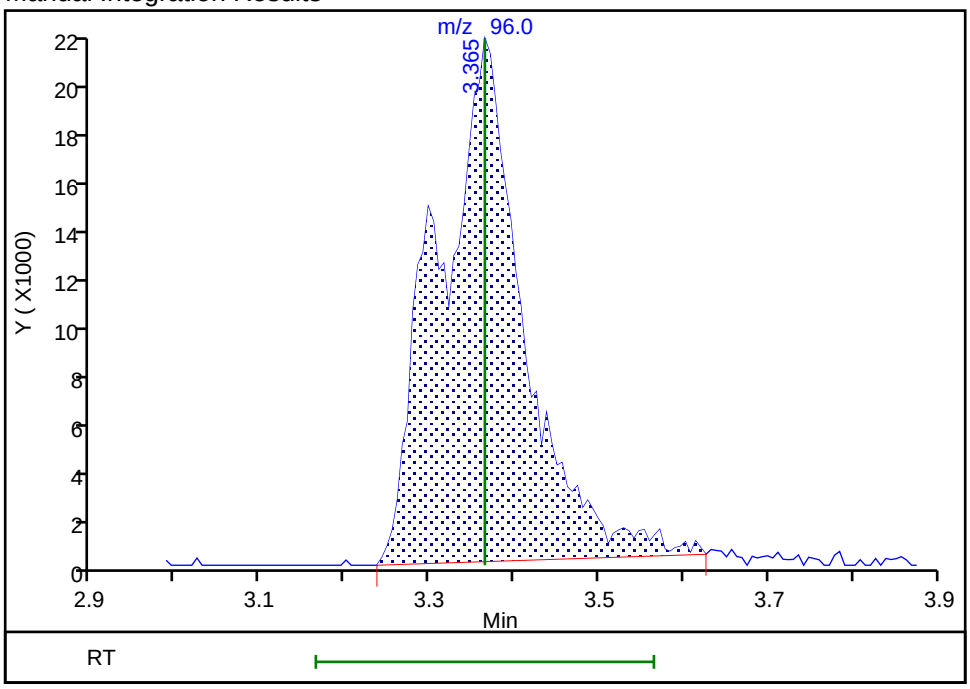
Processing Integration Results

RT: 3.36
Area: 121539
Amount: 89.538475
Amount Units: ng



Manual Integration Results

RT: 3.36
Area: 149551
Amount: 76.146037
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:44:35
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Pittsburgh

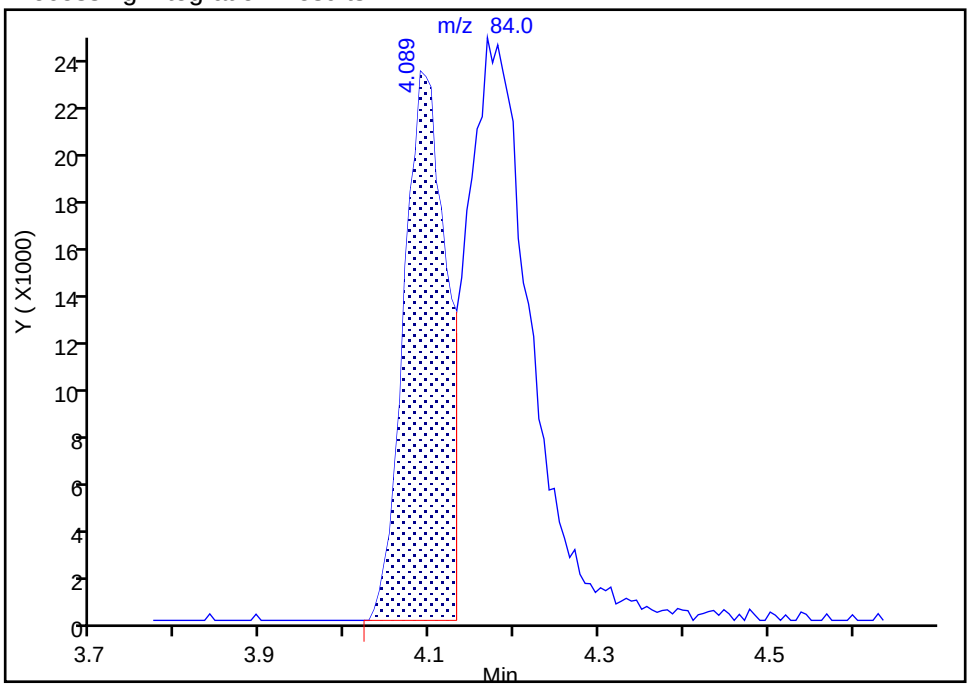
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D				
Injection Date:	04-Nov-2021 12:48:30	Instrument ID:	CHHP5		
Lims ID:	IC std75				
Client ID:					
Operator ID:	040712	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

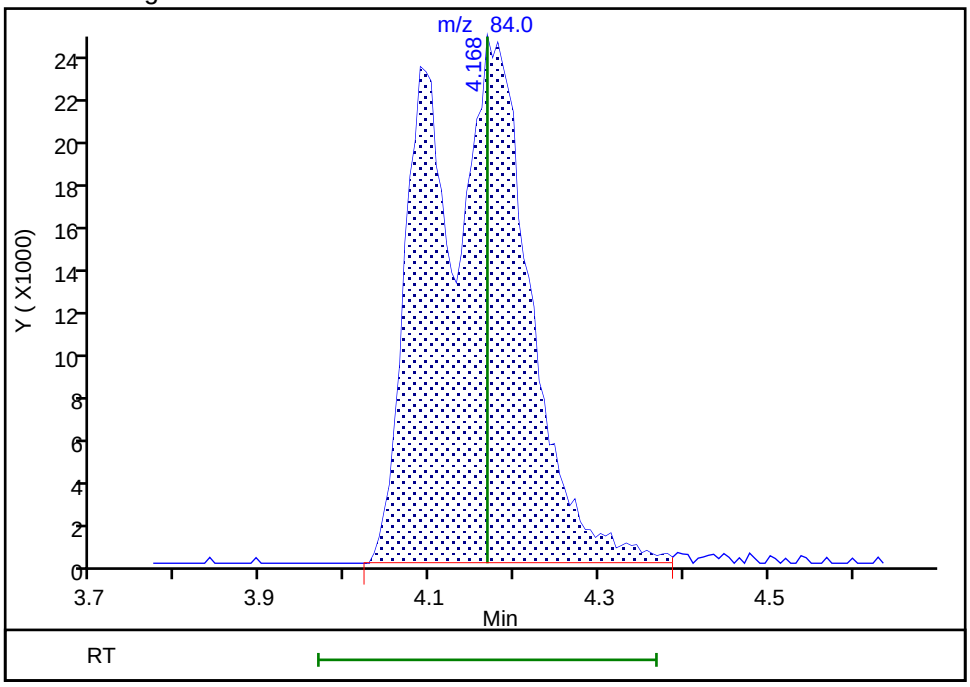
Processing Integration Results

RT: 4.09
Area: 79396
Amount: 35.813456
Amount Units: ng



Manual Integration Results

RT: 4.17
Area: 201756
Amount: 76.266730
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:10:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

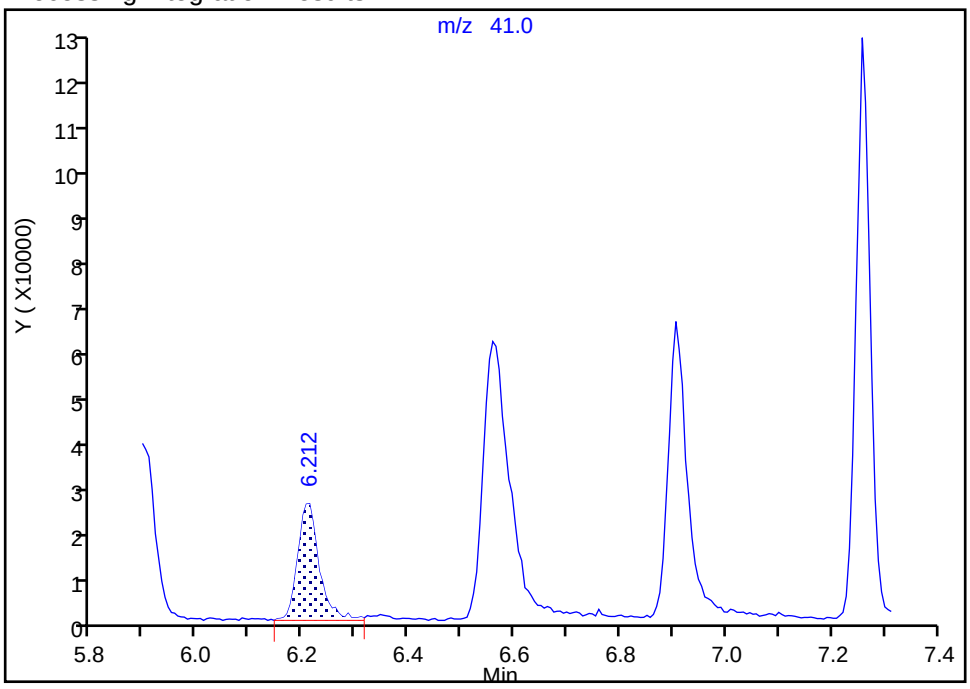
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104008.D				
Injection Date:	04-Nov-2021 12:48:30	Instrument ID:	CHHP5		
Lims ID:	IC std75				
Client ID:					
Operator ID:	040712	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

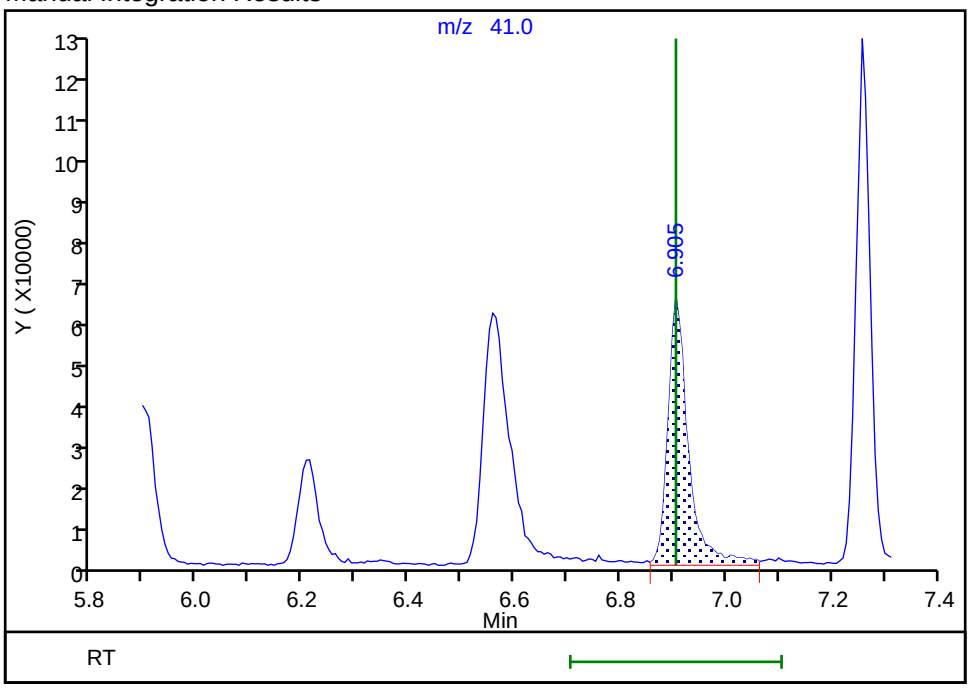
Processing Integration Results

RT: 6.21
Area: 70281
Amount: 1864.1942
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 170300
Amount: 1909.4862
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 07:59:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D
Lims ID: IC std 100
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Nov-2021 13:32:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-009
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:05:13 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 14:46:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.231	4.241	-0.010	0	171535	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.246	-0.004	98	398310	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.343	0.001	87	99131	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.674	12.679	-0.005	92	186960	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.518	6.522	-0.004	93	207425	100.0	105.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.887	0.002	0	267903	100.0	100.4	
$ 7 Toluene-d8 (Surr)	98	8.891	8.895	-0.004	94	804294	100.0	107.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.523	-0.004	88	308504	100.0	109.0	
11 Dichlorodifluoromethane	85	1.603	1.601	0.002	99	298516	100.0	113.7	
12 Chloromethane	50	1.815	1.814	0.001	99	320565	100.0	110.3	M
13 Vinyl chloride	62	1.907	1.911	-0.004	98	299860	100.0	113.1	
14 Butadiene	39	1.931	1.935	-0.004	98	339911	100.0	110.0	
15 Bromomethane	94	2.253	2.270	-0.017	92	136314	100.0	106.9	
16 Chloroethane	64	2.393	2.391	0.002	99	114494	100.0	105.0	
17 Dichlorofluoromethane	67	2.661	2.671	-0.010	97	269708	100.0	110.1	
18 Trichlorofluoromethane	101	2.698	2.702	-0.004	78	193472	100.0	123.9	
20 Ethyl ether	59	3.002	3.006	-0.004	96	188636	100.0	94.0	M
22 1,1-Dichloroethene	96	3.294	3.365	-0.071	95	200247	100.0	109.0	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.409	3.407	0.002	94	224338	100.0	110.0	
24 Acetone	43	3.397	3.413	-0.016	80	96087	100.0	109.0	
25 Iodomethane	142	3.561	3.572	-0.011	99	276326	100.0	103.5	
26 Carbon disulfide	76	3.634	3.639	-0.005	99	647698	100.0	115.5	
28 3-Chloro-1-propene	76	3.866	3.870	-0.004	90	158671	100.0	107.6	
30 Methyl acetate	43	3.890	3.894	-0.004	99	369517	200.0	194.4	
31 Methylene Chloride	84	4.085	4.168	-0.083	98	270274	100.0	112.0	M
32 2-Methyl-2-propanol	59	4.364	4.375	-0.011	93	175930	1000.0	923.7	
33 Acrylonitrile	53	4.486	4.490	-0.004	100	899604	1000.0	995.8	
34 trans-1,2-Dichloroethene	96	4.510	4.515	-0.005	97	228202	100.0	104.9	
35 Methyl tert-butyl ether	73	4.529	4.533	-0.004	97	622003	100.0	100.0	
36 Hexane	57	4.930	4.934	-0.004	96	397110	100.0	106.8	
37 1,1-Dichloroethane	63	5.149	5.153	-0.004	96	428911	100.0	101.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.897	5.902	-0.005	91	41130	100.0	101.7	
45 cis-1,2-Dichloroethene	96	5.910	5.914	-0.004	86	243440	100.0	103.5	
46 2-Butanone (MEK)	43	5.928	5.926	0.002	100	120415	100.0	98.4	
49 Chlorobromomethane	128	6.189	6.194	-0.005	96	120086	100.0	100.3	
51 Tetrahydrofuran	42	6.202	6.206	-0.004	89	139410	200.0	185.3	
52 Chloroform	83	6.335	6.340	-0.005	96	414012	100.0	107.6	
53 1,1,1-Trichloroethane	97	6.488	6.492	-0.004	98	329637	100.0	104.8	
54 Cyclohexane	56	6.561	6.559	0.002	95	451781	100.0	110.9	
56 Carbon tetrachloride	117	6.658	6.662	-0.004	97	289281	100.0	105.9	
55 1,1-Dichloropropene	75	6.682	6.686	-0.004	94	328310	100.0	108.1	
58 Benzene	78	6.895	6.899	-0.004	97	986970	100.0	104.4	
57 Isobutyl alcohol	41	6.907	6.905	0.002	92	202374	2500.0	2425.2	a
59 1,2-Dichloroethane	62	6.974	6.972	0.002	97	334159	100.0	98.4	
62 n-Heptane	43	7.254	7.258	-0.004	95	464212	100.0	106.8	
64 Trichloroethene	130	7.631	7.635	-0.004	97	231670	100.0	102.8	
66 Methylcyclohexane	83	7.856	7.860	-0.004	94	444536	100.0	112.6	
67 1,2-Dichloropropane	63	7.899	7.903	-0.004	96	249082	100.0	101.7	
68 Dibromomethane	93	7.990	7.988	0.002	96	128044	100.0	98.7	
70 1,4-Dioxane	88	7.990	7.994	-0.004	45	49672	2000.0	2035.0	
71 Dichlorobromomethane	83	8.185	8.189	-0.004	98	279203	100.0	101.9	
74 cis-1,3-Dichloropropene	75	8.629	8.633	-0.004	93	329189	100.0	103.4	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.791	0.002	99	205927	100.0	93.4	
76 Toluene	91	8.957	8.962	-0.005	98	1003864	100.0	104.5	
77 trans-1,3-Dichloropropene	75	9.213	9.211	0.002	96	291491	100.0	102.8	
78 Ethyl methacrylate	69	9.274	9.272	0.002	93	251320	100.0	101.5	
79 1,1,2-Trichloroethane	97	9.402	9.406	-0.004	94	196764	100.0	96.9	
80 Tetrachloroethene	164	9.468	9.467	0.001	98	191873	100.0	100.3	
81 1,3-Dichloropropane	76	9.560	9.558	0.002	96	359787	100.0	98.5	
82 2-Hexanone	43	9.627	9.625	0.002	98	138457	100.0	97.0	
84 Chlorodibromomethane	129	9.773	9.771	0.002	91	177140	100.0	98.9	
85 Ethylene Dibromide	107	9.876	9.880	-0.004	97	189144	100.0	97.1	
87 Chlorobenzene	112	10.369	10.373	-0.004	94	643840	100.0	101.5	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.464	0.002	94	220957	100.0	101.2	
90 Ethylbenzene	106	10.466	10.470	-0.004	99	356687	100.0	107.3	
91 m-Xylene & p-Xylene	106	10.600	10.604	-0.004	0	439424	100.0	107.1	
92 o-Xylene	106	10.983	10.981	0.002	96	433572	100.0	109.7	
93 Styrene	104	11.001	11.006	-0.005	95	728367	100.0	109.9	
94 Bromoform	173	11.184	11.182	0.002	96	99391	100.0	99.4	
97 Isopropylbenzene	105	11.348	11.346	0.002	96	1138195	100.0	111.4	
100 Bromobenzene	156	11.658	11.663	-0.005	98	276364	100.0	100.3	
99 1,1,2,2-Tetrachloroethane	83	11.671	11.669	0.002	94	269776	100.0	100.8	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.705	-0.004	81	54173	100.0	98.2	
101 1,2,3-Trichloropropane	110	11.719	11.717	0.002	87	84665	100.0	91.9	
103 N-Propylbenzene	120	11.762	11.760	0.002	99	326225	100.0	107.5	
104 2-Chlorotoluene	126	11.847	11.851	-0.004	96	270246	100.0	101.3	
106 1,3,5-Trimethylbenzene	105	11.944	11.949	-0.005	94	1007975	100.0	108.3	
107 4-Chlorotoluene	126	11.975	11.973	0.002	98	278233	100.0	103.0	
108 tert-Butylbenzene	119	12.261	12.259	0.002	94	844667	100.0	108.7	
110 1,2,4-Trimethylbenzene	105	12.322	12.320	0.002	98	1034212	100.0	107.5	
112 sec-Butylbenzene	105	12.480	12.484	-0.004	94	1323751	100.0	107.9	
113 1,3-Dichlorobenzene	146	12.601	12.600	0.001	98	549494	100.0	101.2	
114 4-Isopropyltoluene	119	12.638	12.636	0.002	97	1129366	100.0	109.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.705	12.703	0.002	94	551556	100.0	99.5	
120 n-Butylbenzene	91	13.046	13.044	0.002	98	1028794	100.0	109.1	
121 1,2-Dichlorobenzene	146	13.058	13.062	-0.004	97	549237	100.0	100.4	
122 1,2-Dibromo-3-Chloropropane	75	13.849	13.847	0.002	77	39673	100.0	95.4	
126 1,2,4-Trichlorobenzene	180	14.670	14.668	0.002	94	342751	100.0	105.2	
127 Hexachlorobutadiene	225	14.810	14.808	0.002	97	211555	100.0	102.1	
128 Naphthalene	128	14.931	14.929	0.002	97	710853	100.0	96.4	
129 1,2,3-Trichlorobenzene	180	15.156	15.155	0.001	96	347185	100.0	105.9	
S 154 Total BTEX	106				0		500.0	532.9	
S 134 1,2-Dichloroethene, Total	96				0		200.0	208.5	
S 133 Xylenes, Total	106				0		200.0	216.8	
S 135 1,3-Dichloropropene, Total	1				0		200.0	206.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	4.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	4.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

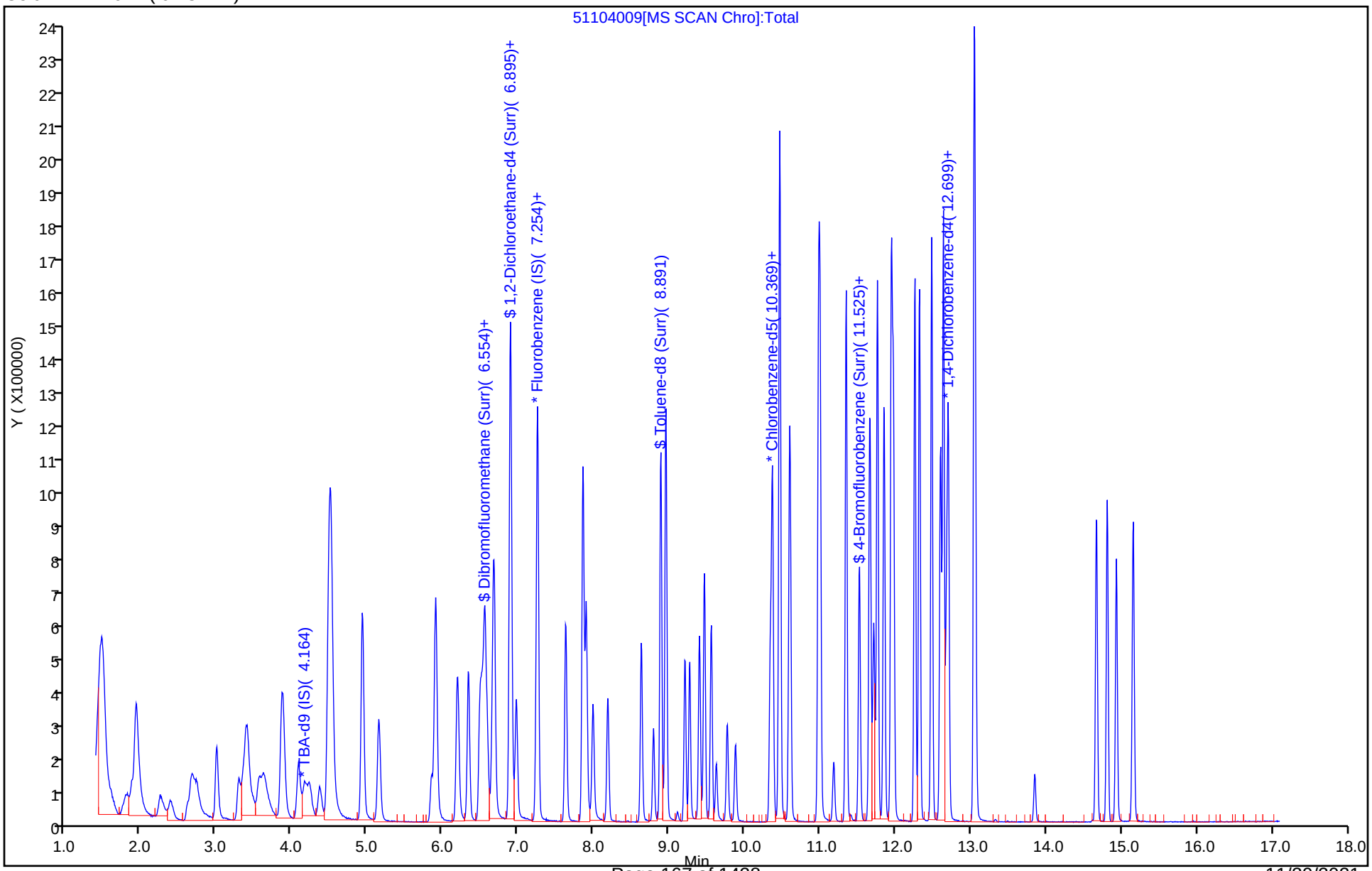
Report Date: 23-Nov-2021 08:05:14 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D

Injection Date:	04-Nov-2021 13:32:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std 100			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

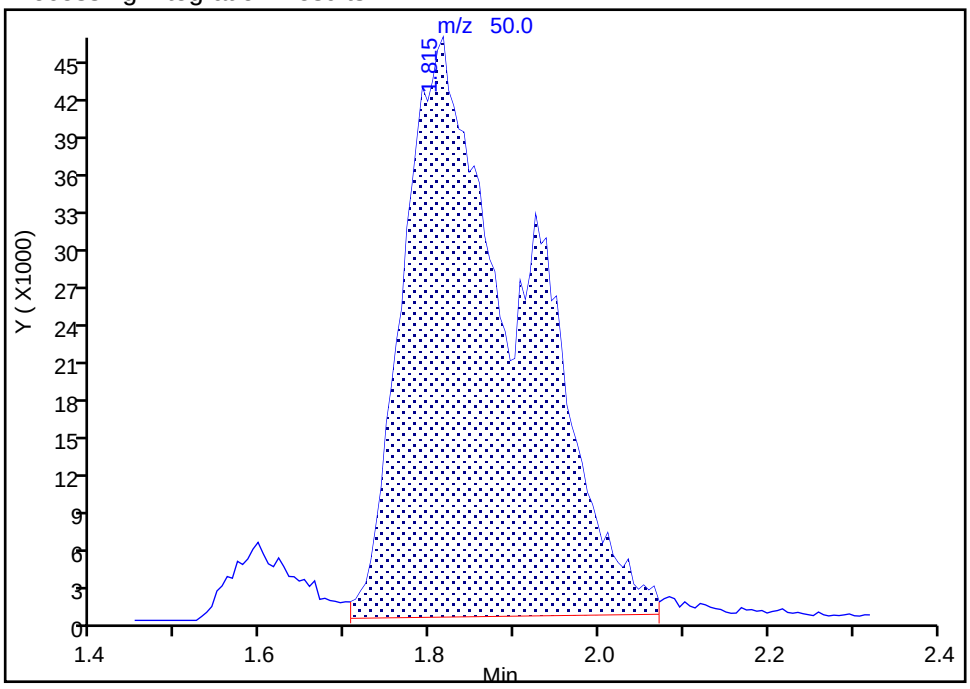
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D				
Injection Date:	04-Nov-2021 13:32:30	Instrument ID:	CHHP5		
Lims ID:	IC std 100				
Client ID:					
Operator ID:	040712	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

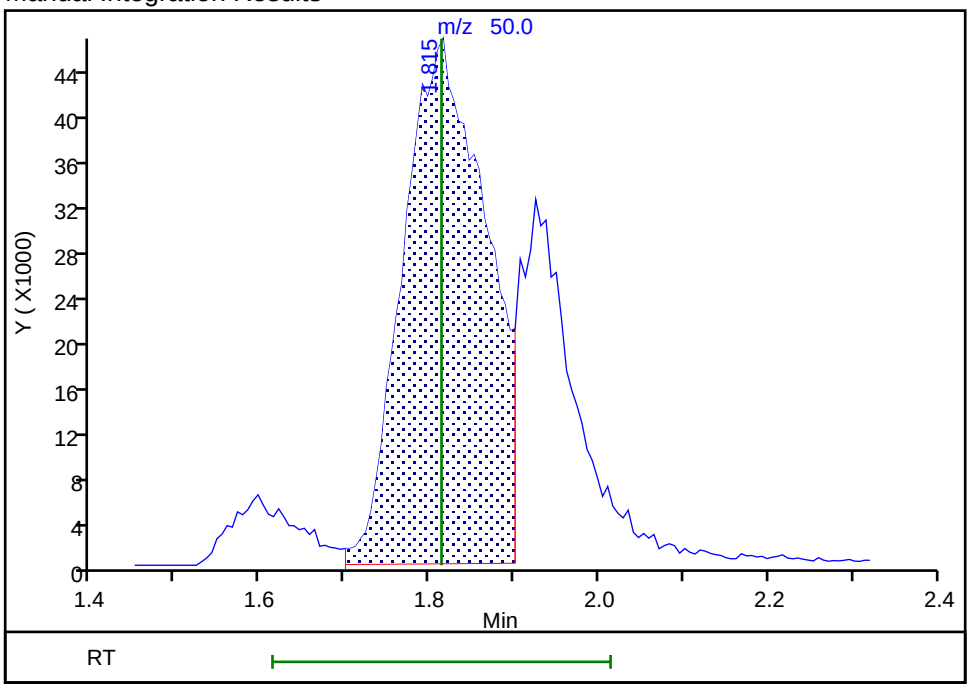
Processing Integration Results

RT: 1.82
Area: 452647
Amount: 128.1627
Amount Units: ng



Manual Integration Results

RT: 1.82
Area: 320565
Amount: 110.3488
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:47:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

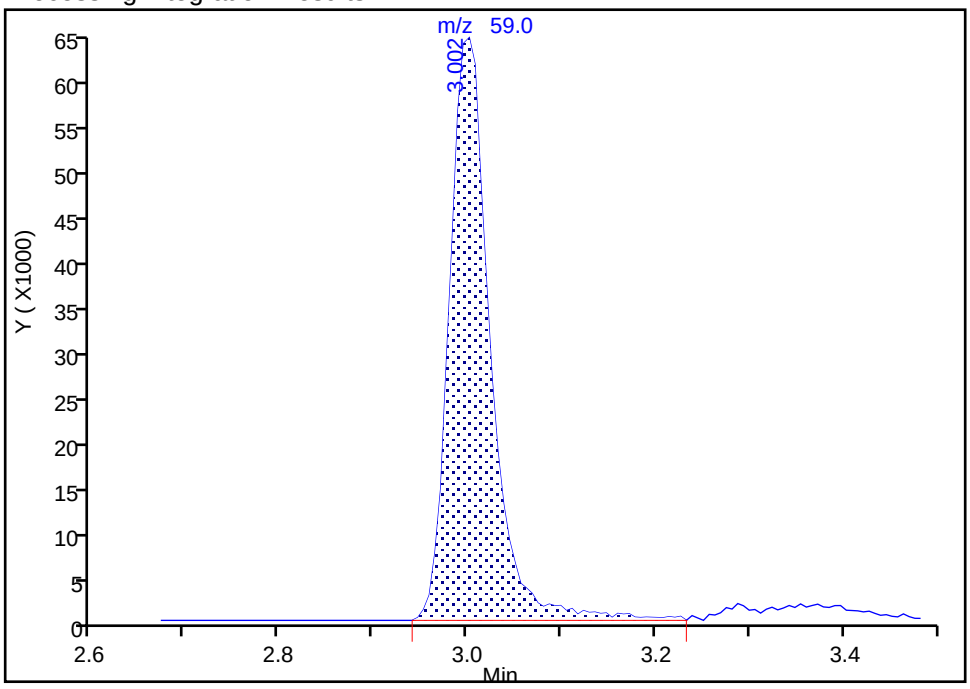
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D
Injection Date: 04-Nov-2021 13:32:30 Instrument ID: CHHP5
Lims ID: IC std 100
Client ID:
Operator ID: 040712 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

20 Ethyl ether, CAS: 60-29-7

Signal: 1

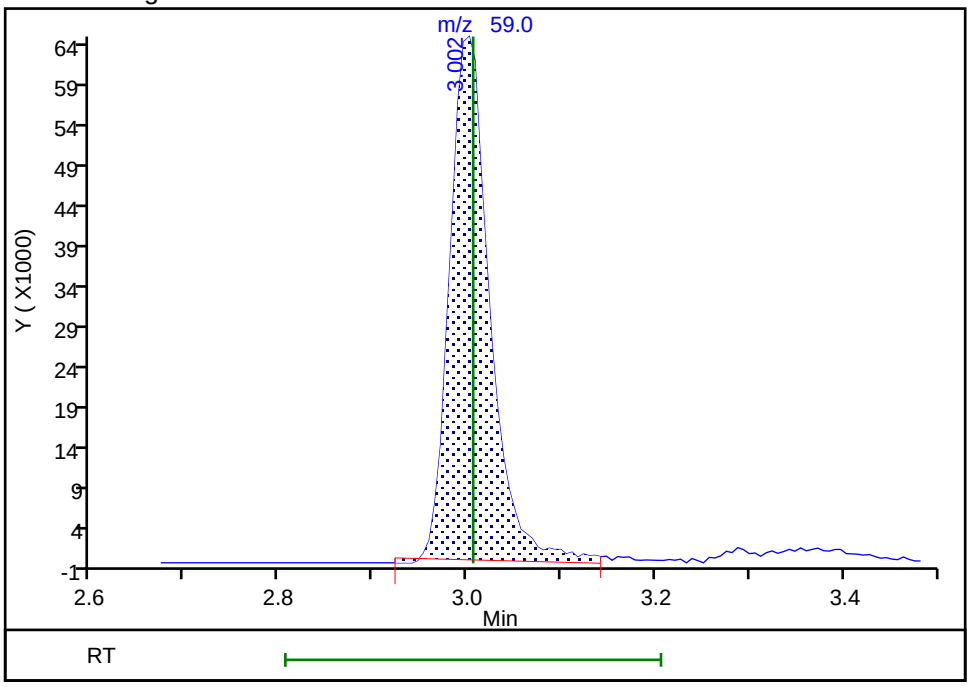
Processing Integration Results

RT: 3.00
Area: 194621
Amount: 96.467951
Amount Units: ng



Manual Integration Results

RT: 3.00
Area: 188636
Amount: 93.965959
Amount Units: ng



Reviewer: tangj, 05-Nov-2021 08:02:59
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Pittsburgh

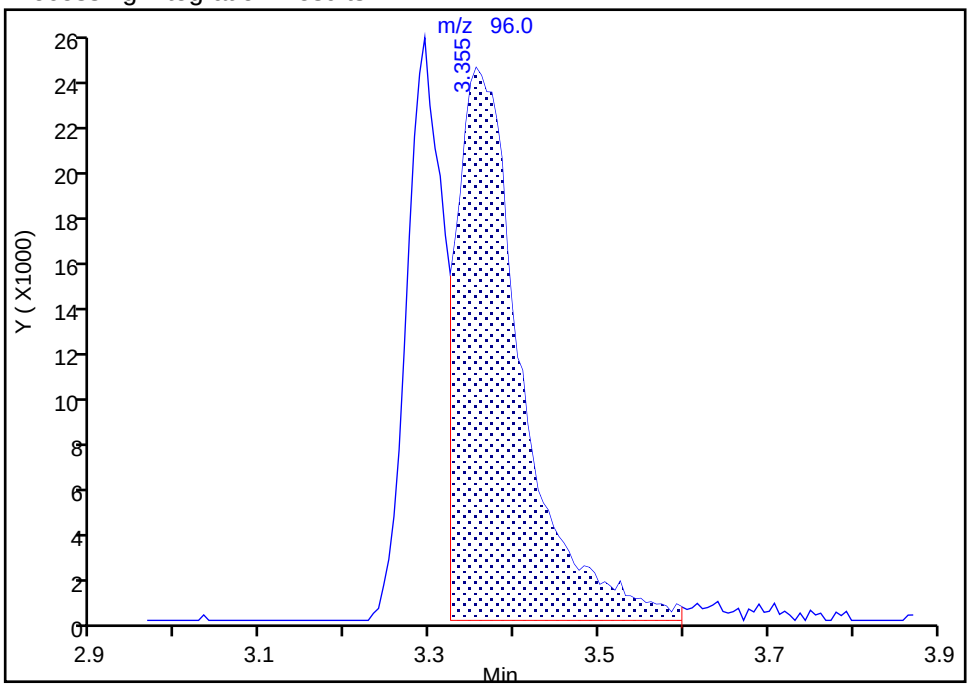
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D
Injection Date: 04-Nov-2021 13:32:30 Instrument ID: CHHP5
Lims ID: IC std 100
Client ID:
Operator ID: 040712 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

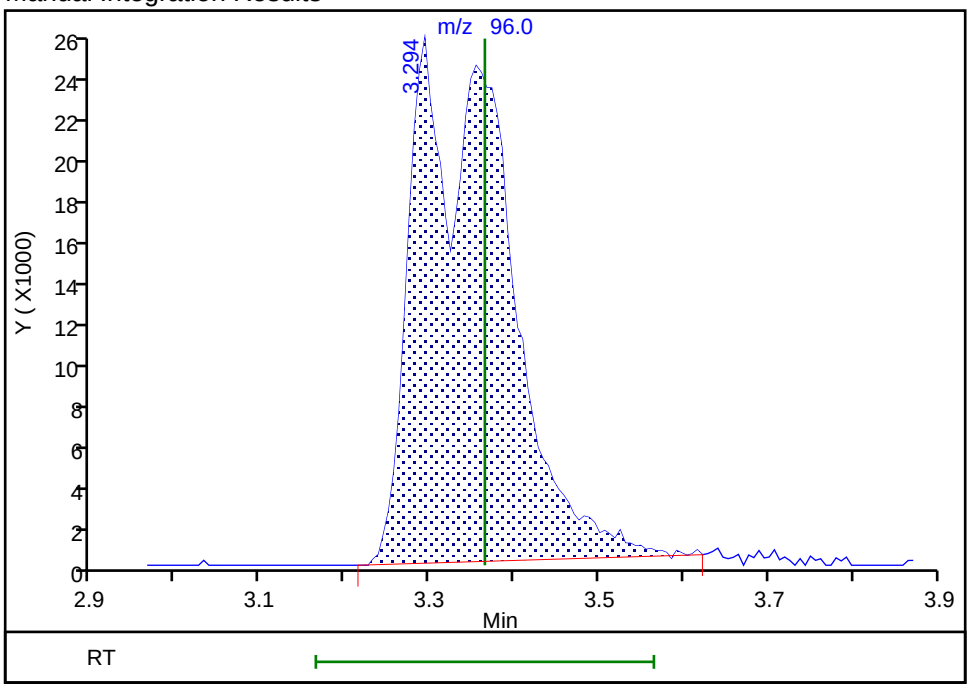
Processing Integration Results

RT: 3.35
Area: 133162
Amount: 82.915084
Amount Units: ng



Manual Integration Results

RT: 3.29
Area: 200247
Amount: 108.9727
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:45:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

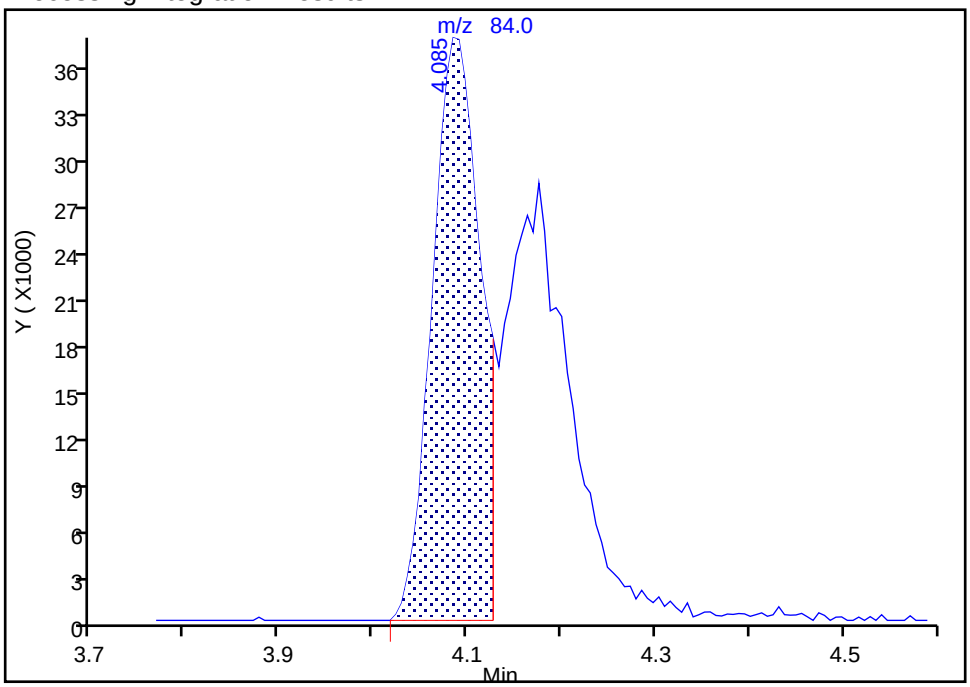
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D
Injection Date: 04-Nov-2021 13:32:30 Instrument ID: CHHP5
Lims ID: IC std 100
Client ID:
Operator ID: 040712 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

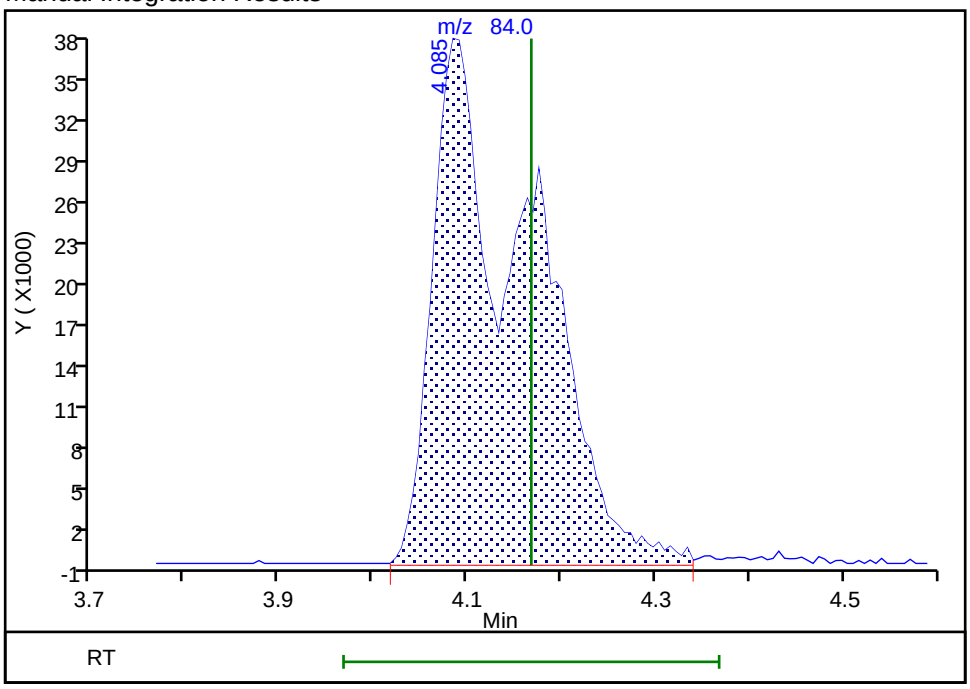
Processing Integration Results

RT: 4.08
Area: 134951
Amount: 58.871338
Amount Units: ng



Manual Integration Results

RT: 4.08
Area: 270274
Amount: 111.9708
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:10:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

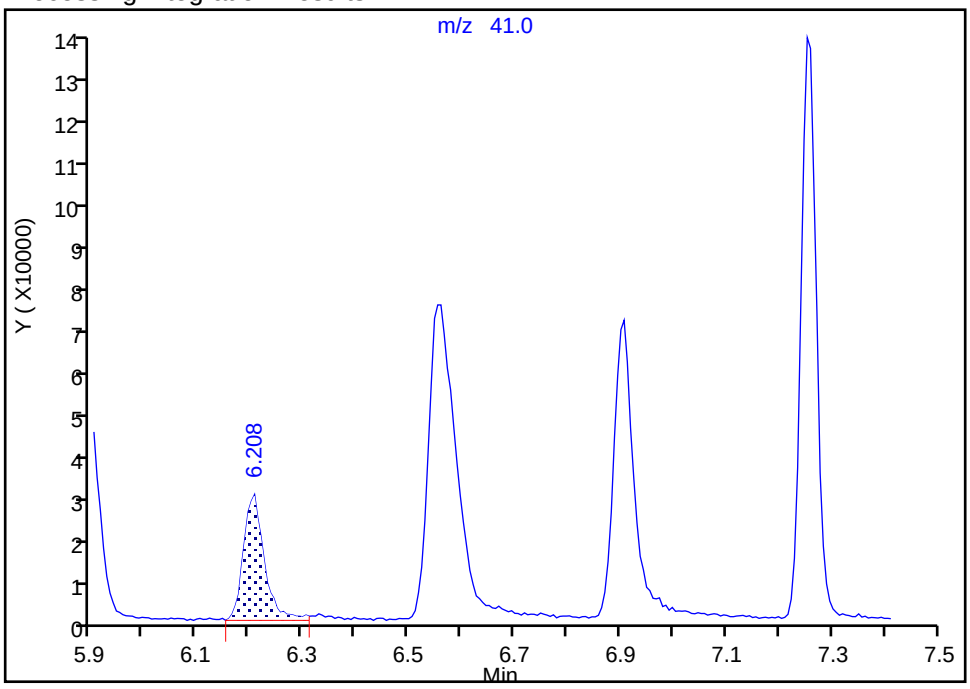
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104009.D				
Injection Date:	04-Nov-2021 13:32:30	Instrument ID:	CHHP5		
Lims ID:	IC std 100				
Client ID:					
Operator ID:	040712	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

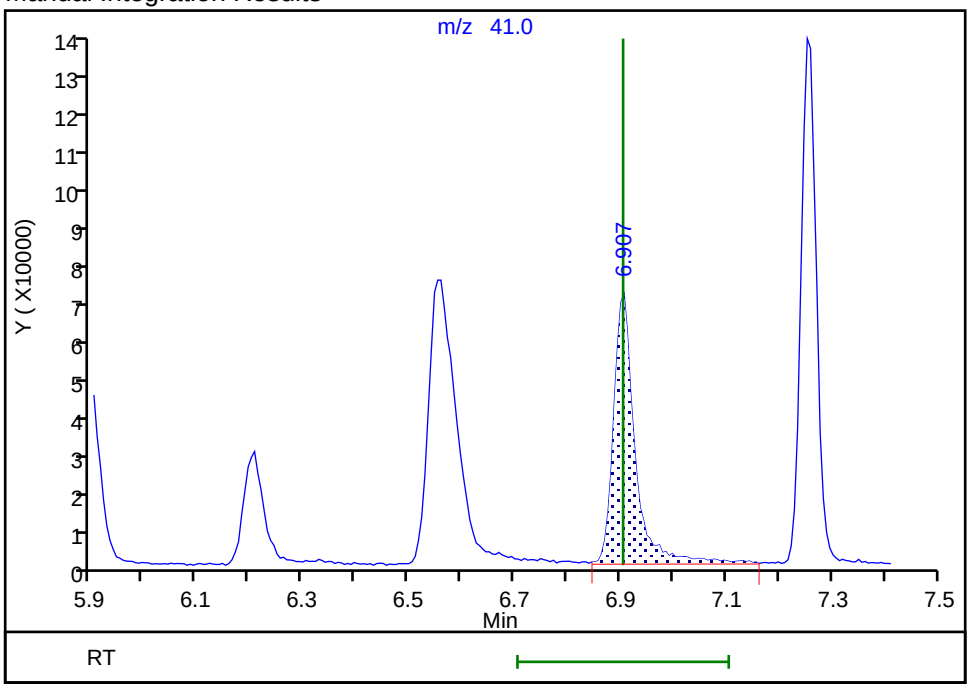
Processing Integration Results

RT: 6.21
Area: 82313
Amount: 1402.0989
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 202374
Amount: 2425.2151
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:01:16

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

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D
Lims ID: IC std175
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Nov-2021 13:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-010
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:05:23 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 14:22:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.247	4.241	0.006	0	181148	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.247	7.246	0.001	76	430906	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.343	10.343	0.000	88	106259	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.679	12.679	0.000	63	195372	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.523	6.522	0.001	83	354731	175.0	166.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.888	6.887	0.001	0	482402	175.0	167.1	
$ 7 Toluene-d8 (Surr)	98	8.889	8.895	-0.006	93	1399442	175.0	174.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.523	11.523	0.000	87	547869	175.0	180.6	
11 Dichlorodifluoromethane	85	1.601	1.601	0.000	99	450784	175.0	158.8	
12 Chloromethane	50	1.832	1.814	0.018	98	501876	175.0	159.7	Ma
13 Vinyl chloride	62	1.917	1.911	0.006	68	463520	175.0	161.6	
14 Butadiene	39	1.936	1.935	0.001	95	548023	175.0	163.9	M
15 Bromomethane	94	2.258	2.270	-0.012	91	238757	175.0	175.6	
16 Chloroethane	64	2.386	2.391	-0.005	93	206061	175.0	179.1	
17 Dichlorofluoromethane	67	2.666	2.671	-0.005	98	422231	175.0	160.9	
18 Trichlorofluoromethane	101	2.690	2.702	-0.012	45	291126	175.0	172.3	
20 Ethyl ether	59	3.006	3.006	0.000	94	319979	175.0	147.3	
22 1,1-Dichloroethene	96	3.371	3.365	0.006	96	311346	175.0	156.6	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.408	3.407	0.001	84	337996	175.0	153.3	
24 Acetone	43	3.408	3.413	-0.005	79	160778	175.0	172.0	
25 Iodomethane	142	3.572	3.572	0.000	97	469584	175.0	162.7	
26 Carbon disulfide	76	3.639	3.639	0.000	100	1022303	175.0	168.5	
28 3-Chloro-1-propene	76	3.870	3.870	0.000	88	295603	175.0	185.3	
30 Methyl acetate	43	3.895	3.894	0.001	98	748409	350.0	364.0	
31 Methylene Chloride	84	4.095	4.168	-0.073	98	454203	175.0	177.5	M
32 2-Methyl-2-propanol	59	4.375	4.375	0.000	91	351333	1750.0	1746.8	
33 Acrylonitrile	53	4.491	4.490	0.001	99	1765082	1750.0	1806.1	
34 trans-1,2-Dichloroethene	96	4.515	4.515	0.000	73	386657	175.0	164.4	
35 Methyl tert-butyl ether	73	4.533	4.533	0.000	92	1175693	175.0	174.6	
36 Hexane	57	4.935	4.934	0.001	96	689255	175.0	171.4	
37 1,1-Dichloroethane	63	5.154	5.153	0.001	85	739362	175.0	162.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.896	5.902	-0.006	59	72026	175.0	164.6	
45 cis-1,2-Dichloroethene	96	5.908	5.914	-0.006	72	423686	175.0	166.5	
46 2-Butanone (MEK)	43	5.926	5.926	0.000	65	231677	175.0	178.2	
49 Chlorobromomethane	128	6.188	6.194	-0.006	92	215106	175.0	166.1	
51 Tetrahydrofuran	42	6.206	6.206	0.000	92	296593	350.0	364.4	
52 Chloroform	83	6.340	6.340	0.000	96	707454	175.0	172.7	
53 1,1,1-Trichloroethane	97	6.492	6.492	0.000	91	548091	175.0	161.1	
54 Cyclohexane	56	6.559	6.559	0.000	93	770718	175.0	174.8	
56 Carbon tetrachloride	117	6.663	6.662	0.001	77	481007	175.0	162.8	
55 1,1-Dichloropropene	75	6.681	6.686	-0.005	91	560045	175.0	170.4	
58 Benzene	78	6.900	6.899	0.001	97	1683818	175.0	164.6	
57 Isobutyl alcohol	41	6.906	6.905	0.001	96	406581	4375.0	4503.8	a
59 1,2-Dichloroethane	62	6.979	6.972	0.007	79	617579	175.0	168.2	
62 n-Heptane	43	7.259	7.258	0.001	94	808878	175.0	172.0	
64 Trichloroethene	130	7.630	7.635	-0.005	95	395899	175.0	162.4	
66 Methylcyclohexane	83	7.861	7.860	0.001	94	751610	175.0	175.9	
67 1,2-Dichloropropane	63	7.904	7.903	0.001	91	437239	175.0	165.0	
68 Dibromomethane	93	7.989	7.988	0.001	90	241058	175.0	171.7	
70 1,4-Dioxane	88	7.995	7.994	0.001	43	95615	3500.0	3620.9	
71 Dichlorobromomethane	83	8.189	8.189	0.000	98	504788	175.0	170.4	
74 cis-1,3-Dichloropropene	75	8.634	8.633	0.001	89	636437	175.0	184.9	
75 4-Methyl-2-pentanone (MIBK)	43	8.792	8.791	0.001	99	438021	175.0	185.4	
76 Toluene	91	8.956	8.962	-0.006	87	1760207	175.0	170.9	
77 trans-1,3-Dichloropropene	75	9.211	9.211	0.000	97	576307	175.0	189.6	
78 Ethyl methacrylate	69	9.272	9.272	0.000	74	528874	175.0	199.2	
79 1,1,2-Trichloroethane	97	9.400	9.406	-0.006	94	366639	175.0	168.4	
80 Tetrachloroethene	164	9.467	9.467	0.000	89	329636	175.0	160.8	
81 1,3-Dichloropropane	76	9.558	9.558	0.000	96	678032	175.0	173.1	
82 2-Hexanone	43	9.625	9.625	0.000	75	290758	175.0	190.1	
84 Chlorodibromomethane	129	9.771	9.771	0.000	90	346575	175.0	180.5	
85 Ethylene Dibromide	107	9.881	9.880	0.001	99	363076	175.0	173.8	
87 Chlorobenzene	112	10.373	10.373	0.000	93	1138439	175.0	167.5	
89 1,1,1,2-Tetrachloroethane	131	10.465	10.464	0.001	41	397562	175.0	169.8	
90 Ethylbenzene	106	10.471	10.470	0.001	98	634409	175.0	178.1	
91 m-Xylene & p-Xylene	106	10.599	10.604	-0.005	0	786097	175.0	178.7	
92 o-Xylene	106	10.982	10.981	0.001	96	771535	175.0	182.1	
93 Styrene	104	11.000	11.006	-0.006	94	1324424	175.0	186.5	
94 Bromoform	173	11.183	11.182	0.001	96	203328	175.0	189.7	
97 Isopropylbenzene	105	11.347	11.346	0.001	96	1998936	175.0	182.4	
100 Bromobenzene	156	11.657	11.663	-0.006	96	491856	175.0	170.9	
99 1,1,2,2-Tetrachloroethane	83	11.669	11.669	0.000	90	502002	175.0	174.9	
102 trans-1,4-Dichloro-2-butene	53	11.706	11.705	0.001	42	121799	175.0	169.5	
101 1,2,3-Trichloropropane	110	11.718	11.717	0.001	36	159919	175.0	166.0	
103 N-Propylbenzene	120	11.760	11.760	0.000	87	563972	175.0	177.9	
104 2-Chlorotoluene	126	11.852	11.851	0.001	96	470064	175.0	168.6	
106 1,3,5-Trimethylbenzene	105	11.949	11.949	0.000	93	1752067	175.0	180.2	
107 4-Chlorotoluene	126	11.973	11.973	0.000	98	484836	175.0	171.7	
108 tert-Butylbenzene	119	12.259	12.259	0.000	91	1460367	175.0	179.8	
110 1,2,4-Trimethylbenzene	105	12.320	12.320	0.000	69	1820471	175.0	181.0	
112 sec-Butylbenzene	105	12.484	12.484	0.000	94	2266451	175.0	176.8	
113 1,3-Dichlorobenzene	146	12.600	12.600	0.000	97	960468	175.0	169.2	
114 4-Isopropyltoluene	119	12.636	12.636	0.000	89	1935683	175.0	179.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.703	12.703	0.000	93	968357	175.0	167.1	
120 n-Butylbenzene	91	13.044	13.044	0.000	95	1762567	175.0	178.9	
121 1,2-Dichlorobenzene	146	13.056	13.062	-0.006	89	948049	175.0	165.9	
122 1,2-Dibromo-3-Chloropropane	75	13.847	13.847	0.000	77	78614	175.0	180.8	
126 1,2,4-Trichlorobenzene	180	14.668	14.668	0.000	93	616468	175.0	181.0	
127 Hexachlorobutadiene	225	14.808	14.808	0.000	97	340406	175.0	157.2	
128 Naphthalene	128	14.930	14.929	0.001	97	1391311	175.0	176.8	
129 1,2,3-Trichlorobenzene	180	15.155	15.155	0.000	96	602255	175.0	175.8	
S 154 Total BTEX	106				0		875.0	874.3	
S 134 1,2-Dichloroethene, Total	96				0		350.0	330.9	
S 133 Xylenes, Total	106				0		350.0	360.8	
S 135 1,3-Dichloropropene, Total	1				0		350.0	374.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	7.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	7.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

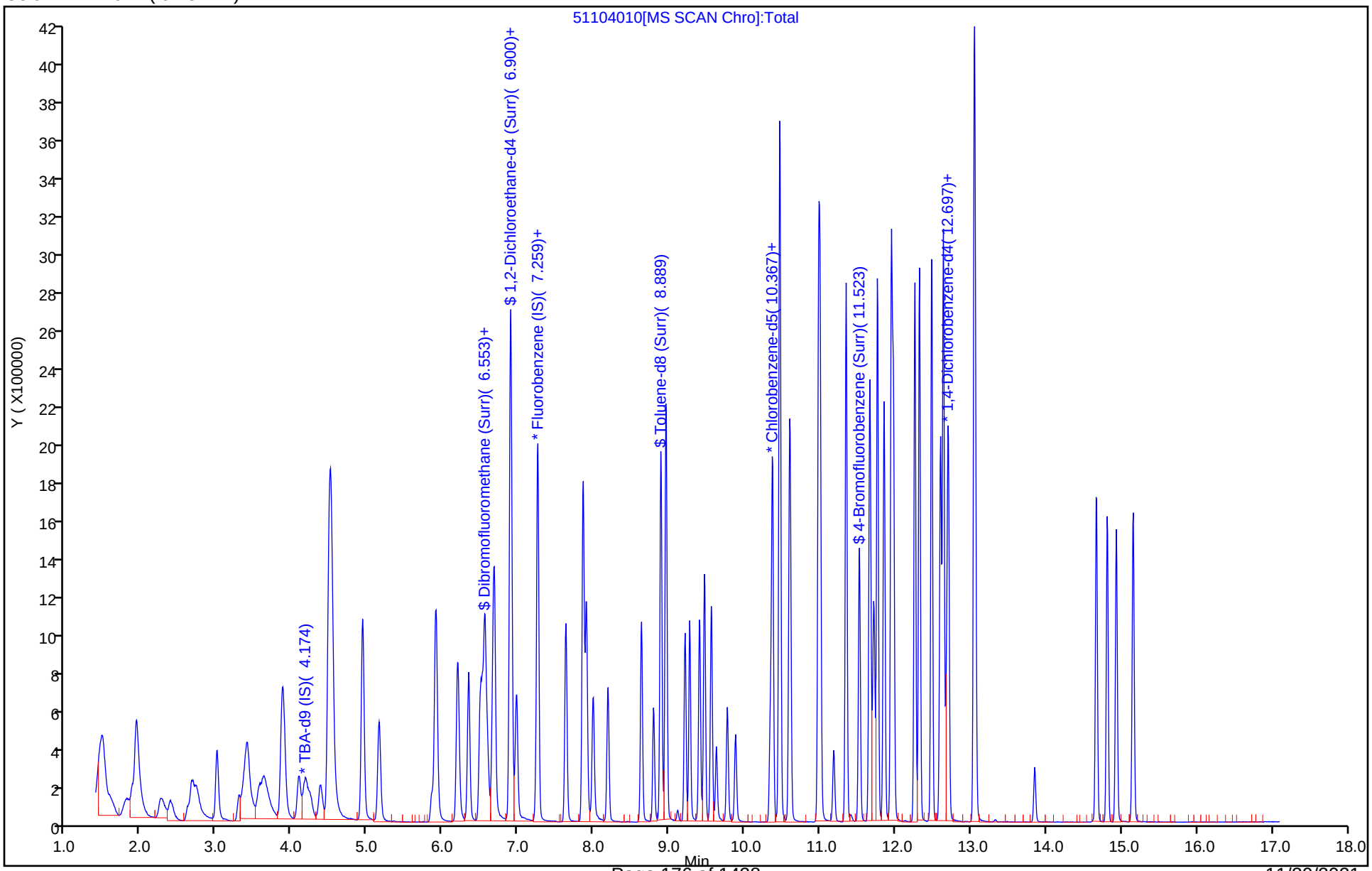
Report Date: 23-Nov-2021 08:05:24 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D

Injection Date:	04-Nov-2021 13:57:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std175			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

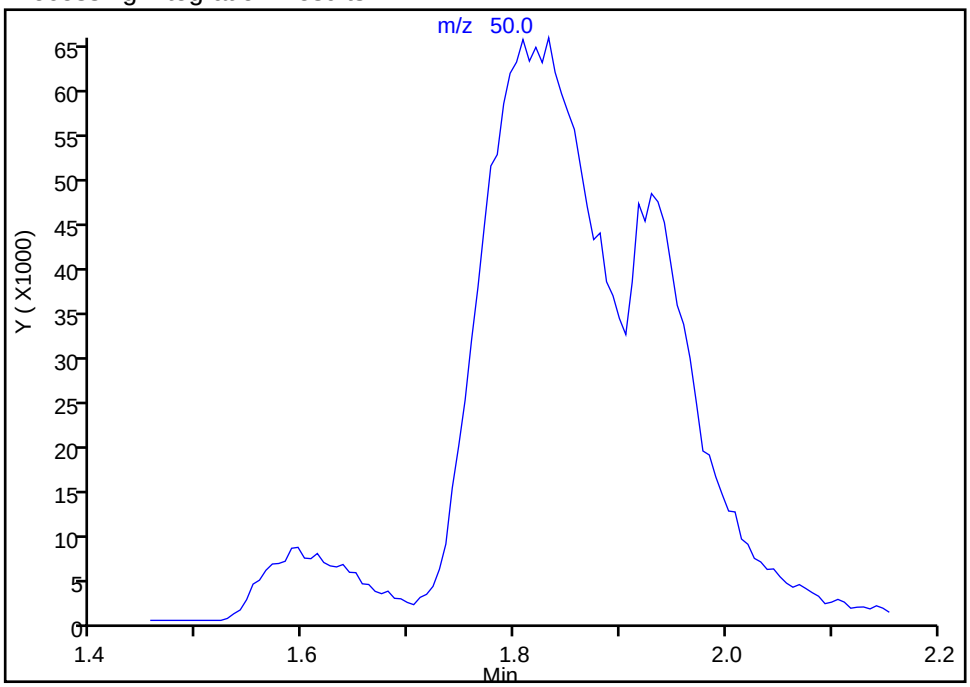
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D				
Injection Date:	04-Nov-2021 13:57:30	Instrument ID:	CHHP5		
Lims ID:	IC std175				
Client ID:					
Operator ID:	040712	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

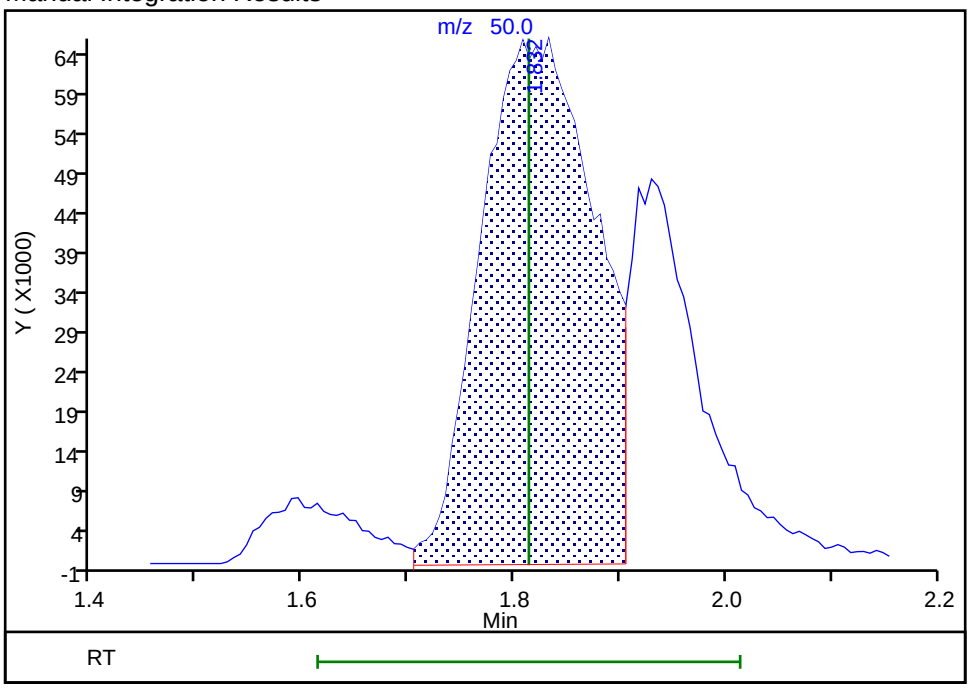
Not Detected
Expected RT: 1.81

Processing Integration Results



Manual Integration Results

RT: 1.83
Area: 501876
Amount: 159.6933
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:47:54
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

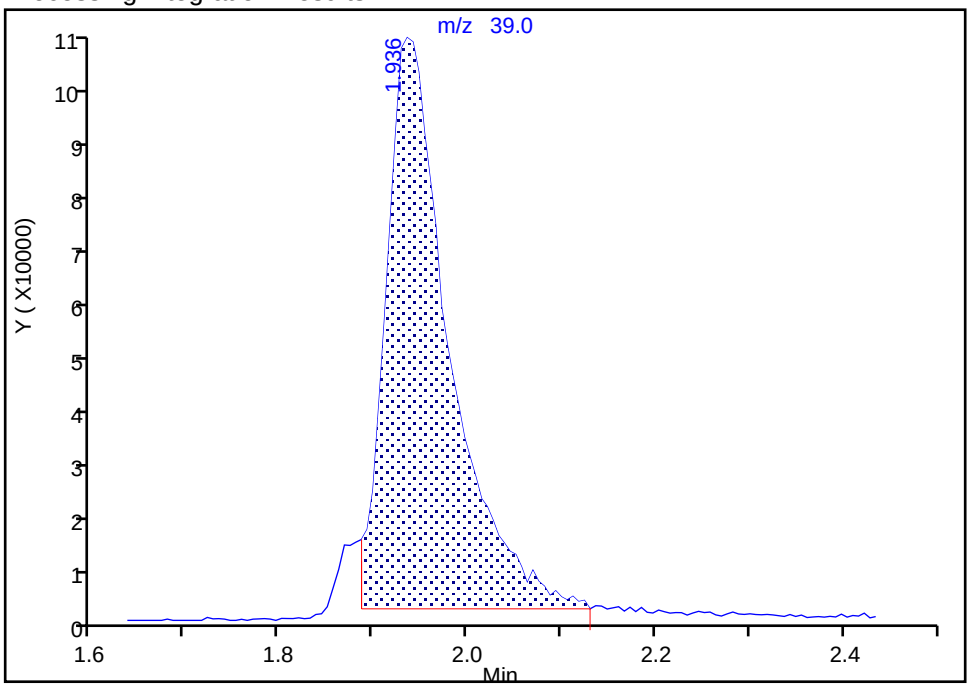
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D				
Injection Date:	04-Nov-2021 13:57:30	Instrument ID:	CHHP5		
Lims ID:	IC std175				
Client ID:					
Operator ID:	040712	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Signal: 1

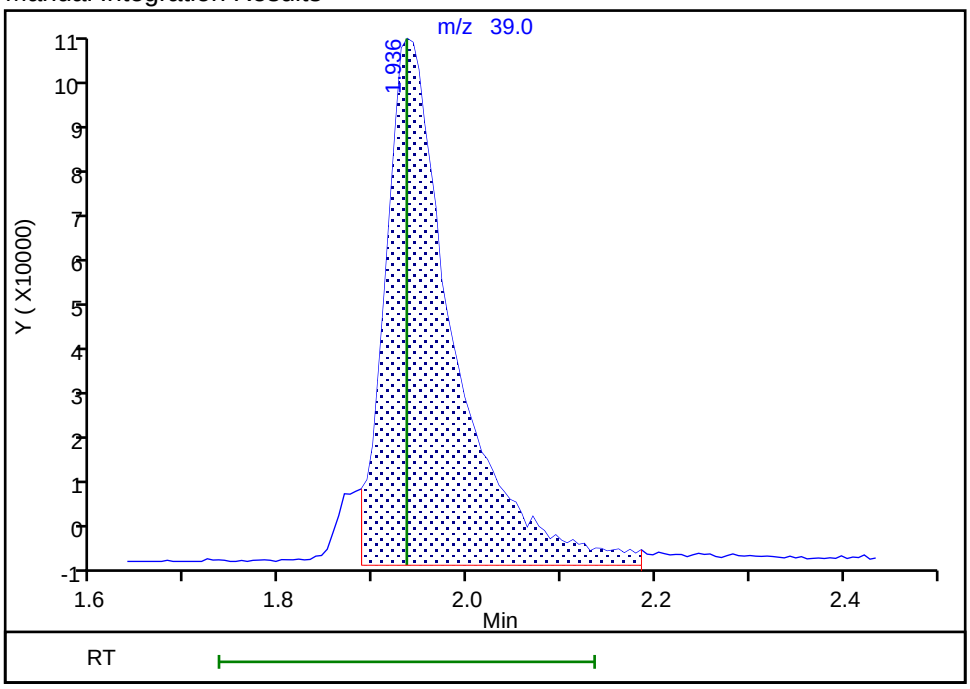
Processing Integration Results

RT: 1.94
Area: 494659
Amount: 149.8538
Amount Units: ng



Manual Integration Results

RT: 1.94
Area: 548023
Amount: 163.9110
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 15:19:59
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Pittsburgh

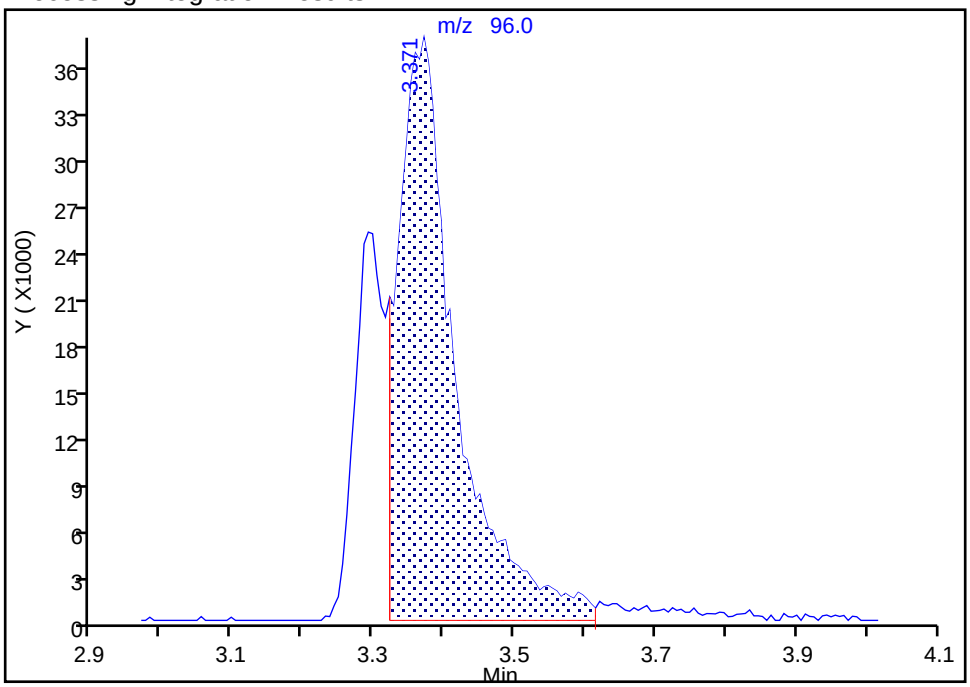
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D
Injection Date: 04-Nov-2021 13:57:30 Instrument ID: CHHP5
Lims ID: IC std175
Client ID:
Operator ID: 040712 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

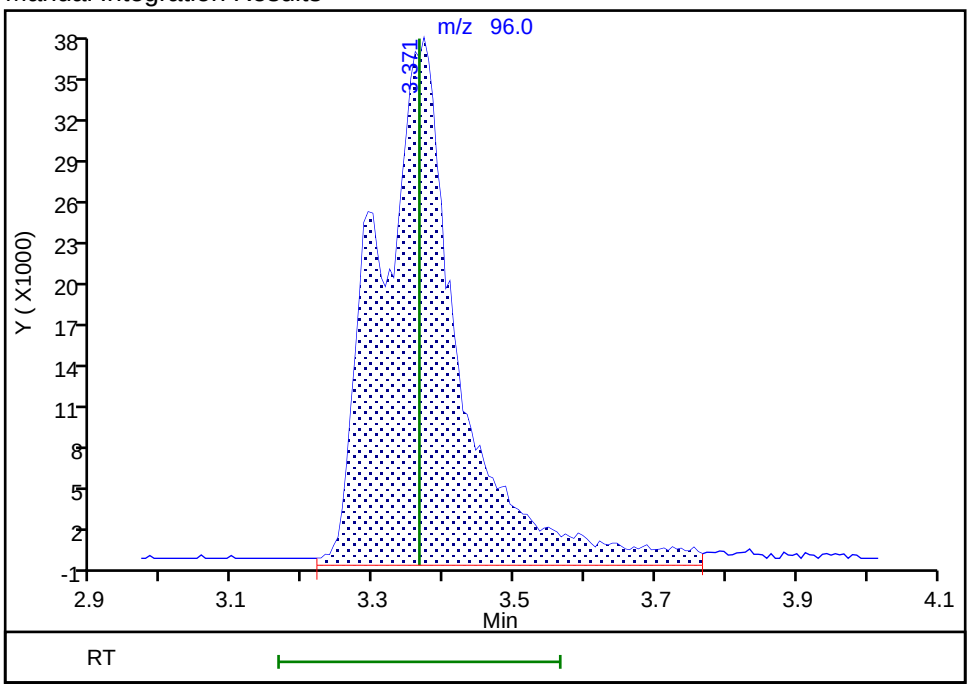
Processing Integration Results

RT: 3.37
Area: 216146
Amount: 118.2320
Amount Units: ng



Manual Integration Results

RT: 3.37
Area: 311346
Amount: 156.6151
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:54:34
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

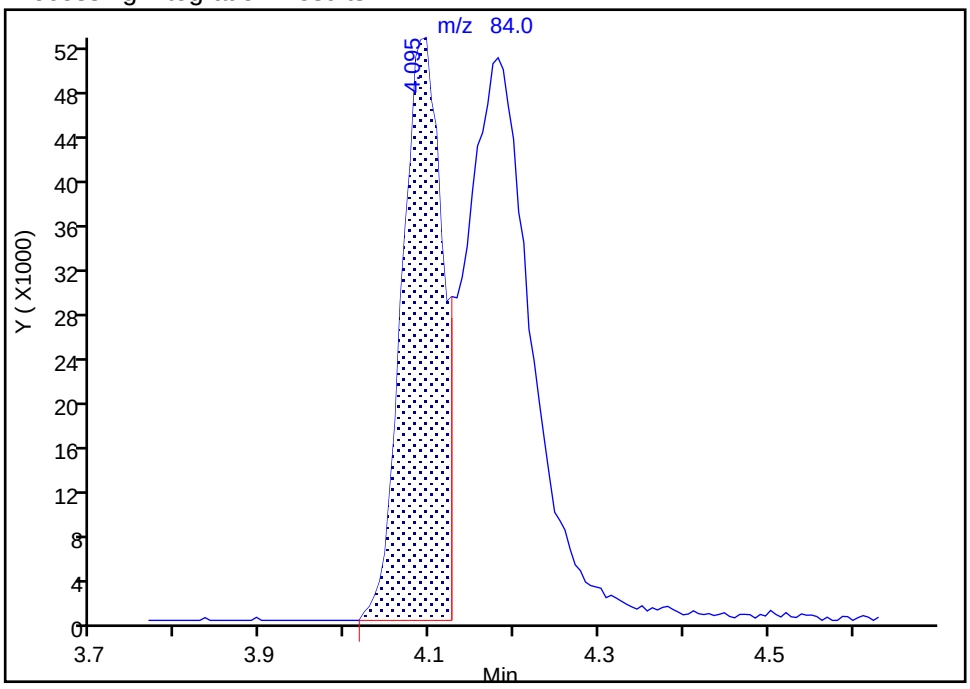
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D
Injection Date: 04-Nov-2021 13:57:30 Instrument ID: CHHP5
Lims ID: IC std175
Client ID:
Operator ID: 040712 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

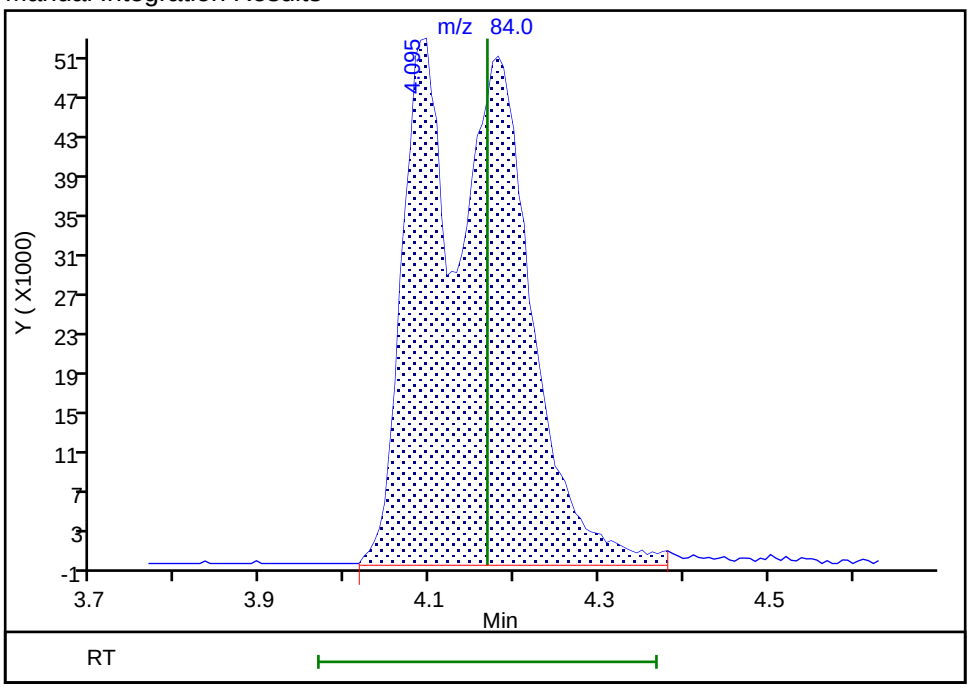
Processing Integration Results

RT: 4.10
Area: 177893
Amount: 66.154951
Amount Units: ng



Manual Integration Results

RT: 4.10
Area: 454203
Amount: 177.4926
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:11:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

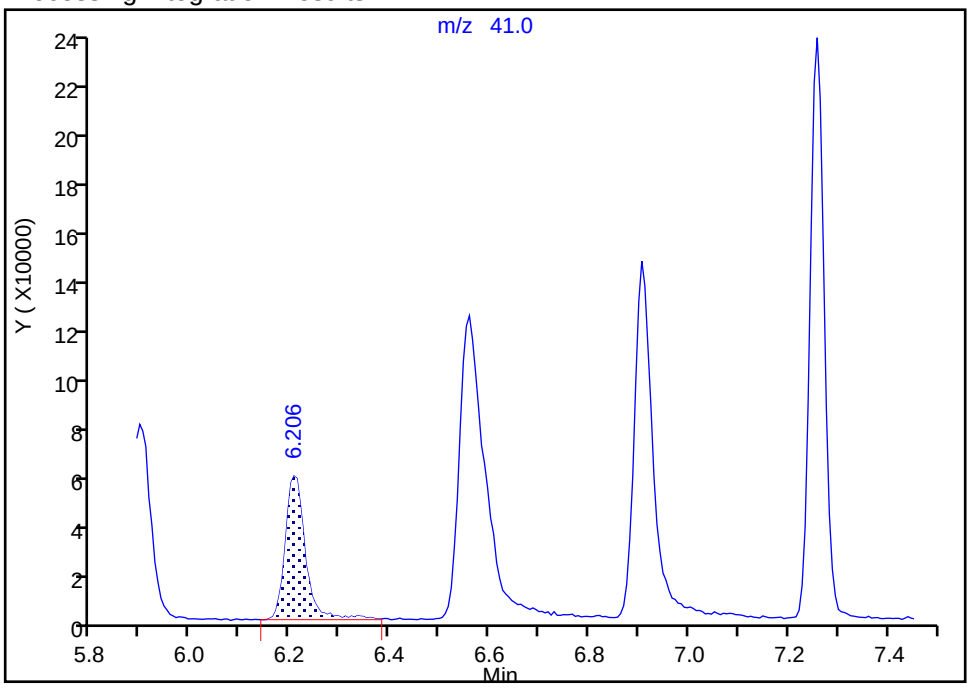
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104010.D				
Injection Date:	04-Nov-2021 13:57:30	Instrument ID:	CHHP5		
Lims ID:	IC std175				
Client ID:					
Operator ID:	040712	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

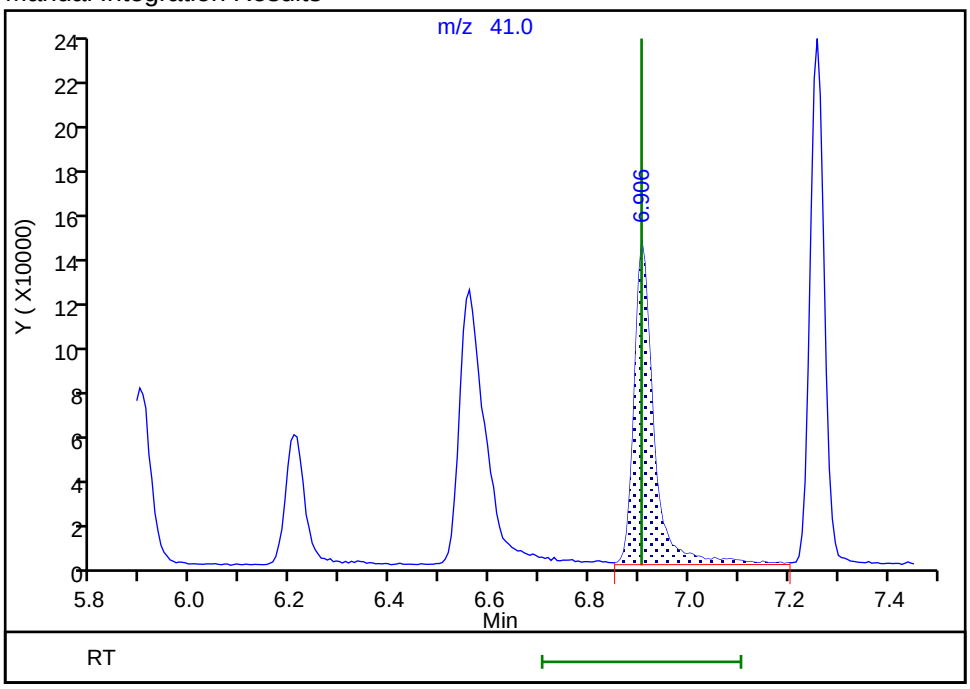
Processing Integration Results

RT: 6.21
Area: 165587
Amount: 2365.3384
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 406581
Amount: 4503.8228
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:01:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D
Lims ID: IC std200
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Nov-2021 14:23:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-011
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:05:34 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 04-Nov-2021 15:09:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.246	4.241	0.005	0	172553	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.245	7.246	-0.001	0	448198	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.342	10.343	-0.001	0	114022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.678	12.679	-0.001	0	202603	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.521	6.522	-0.001	0	454557	200.0	205.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.887	0.005	0	594051	200.0	197.8	
$ 7 Toluene-d8 (Surr)	98	8.894	8.895	-0.001	0	1875767	200.0	217.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.522	11.523	-0.001	0	717360	200.0	220.4	
11 Dichlorodifluoromethane	85	1.587	1.601	-0.014	0	614585	200.0	208.1	
12 Chloromethane	50	1.806	1.814	-0.008	98	654408	200.0	200.2	M
13 Vinyl chloride	62	1.922	1.911	0.011	53	622470	200.0	208.7	
14 Butadiene	39	1.934	1.935	-0.001	94	737894	200.0	212.2	M
15 Bromomethane	94	2.269	2.270	-0.001	91	302003	200.0	214.4	
16 Chloroethane	64	2.390	2.391	-0.001	100	333965	200.0	282.8	
17 Dichlorofluoromethane	67	2.670	2.671	-0.001	98	604168	200.0	222.6	M
18 Trichlorofluoromethane	101	2.689	2.702	-0.013	68	433918	200.0	246.9	
20 Ethyl ether	59	3.005	3.006	-0.001	94	488817	200.0	216.4	
22 1,1-Dichloroethene	96	3.370	3.365	0.005	96	436586	200.0	211.1	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.412	3.407	0.005	0	507345	200.0	221.2	
24 Acetone	43	3.400	3.413	-0.013	0	210421	200.0	218.1	
25 Iodomethane	142	3.571	3.572	-0.001	0	656487	200.0	218.6	
26 Carbon disulfide	76	3.638	3.639	-0.001	0	1382406	200.0	219.0	
28 3-Chloro-1-propene	76	3.869	3.870	-0.001	0	371951	200.0	224.2	
30 Methyl acetate	43	3.893	3.894	-0.001	0	860760	400.0	402.5	
31 Methylene Chloride	84	4.094	4.168	-0.074	98	554471	200.0	209.4	M
32 2-Methyl-2-propanol	59	4.380	4.375	0.005	0	407815	2000.0	2128.6	
33 Acrylonitrile	53	4.489	4.490	-0.001	0	2098158	2000.0	2064.0	
34 trans-1,2-Dichloroethene	96	4.514	4.515	-0.001	0	501330	200.0	204.9	
35 Methyl tert-butyl ether	73	4.532	4.533	-0.001	0	1453596	200.0	207.6	
36 Hexane	57	4.939	4.934	0.005	0	941267	200.0	225.0	
37 1,1-Dichloroethane	63	5.158	5.153	0.005	0	951580	200.0	200.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.901	5.902	-0.001	0	95843	200.0	210.6	
45 cis-1,2-Dichloroethene	96	5.907	5.914	-0.007	0	547008	200.0	206.7	
46 2-Butanone (MEK)	43	5.925	5.926	-0.001	0	284031	200.0	210.7	
49 Chlorobromomethane	128	6.193	6.194	-0.001	0	269471	200.0	200.0	
51 Tetrahydrofuran	42	6.211	6.206	0.005	0	346507	400.0	409.4	
52 Chloroform	83	6.345	6.340	0.005	0	905414	200.0	213.6	
53 1,1,1-Trichloroethane	97	6.491	6.492	-0.001	0	728924	200.0	206.0	
54 Cyclohexane	56	6.558	6.559	-0.001	0	1068535	200.0	233.0	
56 Carbon tetrachloride	117	6.661	6.662	-0.001	0	648117	200.0	210.9	
55 1,1-Dichloropropene	75	6.685	6.686	-0.001	0	732132	200.0	214.2	
58 Benzene	78	6.898	6.899	-0.001	0	2170998	200.0	204.0	
57 Isobutyl alcohol	41	6.910	6.905	0.005	96	475927	5000.0	5068.6	a
59 1,2-Dichloroethane	62	6.977	6.972	0.005	0	751881	200.0	196.9	
62 n-Heptane	43	7.257	7.258	-0.001	0	1105199	200.0	225.9	
64 Trichloroethene	130	7.628	7.635	-0.007	0	523748	200.0	206.6	
66 Methylcyclohexane	83	7.860	7.860	0.000	0	1024169	200.0	230.5	
67 1,2-Dichloropropane	63	7.902	7.903	-0.001	0	565798	200.0	205.2	
68 Dibromomethane	93	7.993	7.988	0.005	0	296419	200.0	203.0	
70 1,4-Dioxane	88	7.993	7.994	-0.001	0	114007	4000.0	4150.8	
71 Dichlorobromomethane	83	8.188	8.189	-0.001	0	639443	200.0	207.5	
74 cis-1,3-Dichloropropene	75	8.632	8.633	-0.001	0	835785	200.0	233.4	
75 4-Methyl-2-pentanone (MIBK)	43	8.796	8.791	0.005	0	536760	200.0	211.7	
76 Toluene	91	8.961	8.962	-0.001	0	2332408	200.0	211.0	
77 trans-1,3-Dichloropropene	75	9.210	9.211	-0.001	0	743536	200.0	228.0	
78 Ethyl methacrylate	69	9.271	9.272	-0.001	73	672490	200.0	236.1	
79 1,1,2-Trichloroethane	97	9.405	9.406	-0.001	0	451472	200.0	193.2	
80 Tetrachloroethene	164	9.472	9.467	0.005	0	438486	200.0	199.3	
81 1,3-Dichloropropane	76	9.557	9.558	-0.001	0	849547	200.0	202.1	
82 2-Hexanone	43	9.624	9.625	-0.001	0	368354	200.0	224.4	
84 Chlorodibromomethane	129	9.770	9.771	-0.001	0	441318	200.0	214.2	
85 Ethylene Dibromide	107	9.879	9.880	-0.001	0	447931	200.0	199.8	
87 Chlorobenzene	112	10.372	10.373	-0.001	0	1497846	200.0	205.4	
89 1,1,1,2-Tetrachloroethane	131	10.463	10.464	-0.001	0	500673	200.0	199.3	
90 Ethylbenzene	106	10.469	10.470	-0.001	0	831280	200.0	217.5	
91 m-Xylene & p-Xylene	106	10.603	10.604	-0.001	0	1034789	200.0	219.2	
92 o-Xylene	106	10.980	10.981	-0.001	0	1012940	200.0	222.8	
93 Styrene	104	11.005	11.006	-0.001	0	1722414	200.0	226.0	
94 Bromoform	173	11.181	11.182	-0.001	0	253694	200.0	220.6	
97 Isopropylbenzene	105	11.345	11.346	-0.001	0	2682390	200.0	228.1	
100 Bromobenzene	156	11.662	11.663	-0.001	0	628584	200.0	210.6	
99 1,1,2,2-Tetrachloroethane	83	11.668	11.669	-0.001	0	603235	200.0	195.9	
102 trans-1,4-Dichloro-2-butene	53	11.704	11.705	-0.001	0	165744	200.0	203.7	
101 1,2,3-Trichloropropane	110	11.716	11.717	-0.001	0	191778	200.0	192.0	
103 N-Propylbenzene	120	11.765	11.760	0.005	0	744497	200.0	226.5	
104 2-Chlorotoluene	126	11.850	11.851	-0.001	0	605439	200.0	209.5	
106 1,3,5-Trimethylbenzene	105	11.948	11.949	-0.001	0	2266222	200.0	224.8	
107 4-Chlorotoluene	126	11.972	11.973	-0.001	0	634502	200.0	216.7	
108 tert-Butylbenzene	119	12.258	12.259	-0.001	0	1928486	200.0	229.0	
110 1,2,4-Trimethylbenzene	105	12.319	12.320	-0.001	0	2325756	200.0	223.0	
112 sec-Butylbenzene	105	12.483	12.484	-0.001	0	2998875	200.0	225.6	
113 1,3-Dichlorobenzene	146	12.599	12.600	-0.001	0	1219803	200.0	207.3	
114 4-Isopropyltoluene	119	12.635	12.636	-0.001	0	2540892	200.0	227.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.702	12.703	-0.001	0	1239478	200.0	206.3	
120 n-Butylbenzene	91	13.043	13.044	-0.001	0	2347148	200.0	229.8	
121 1,2-Dichlorobenzene	146	13.061	13.062	-0.001	0	1196368	200.0	201.9	
122 1,2-Dibromo-3-Chloropropane	75	13.846	13.847	-0.001	0	90306	200.0	200.3	
126 1,2,4-Trichlorobenzene	180	14.667	14.668	-0.001	0	801956	200.0	227.0	
127 Hexachlorobutadiene	225	14.807	14.808	-0.001	95	442908	200.0	197.2	
128 Naphthalene	128	14.929	14.929	-0.001	97	1701128	200.0	207.7	
129 1,2,3-Trichlorobenzene	180	15.154	15.155	-0.001	94	752496	200.0	211.8	
S 154 Total BTEX	106				0		1000.0	1074.5	
S 134 1,2-Dichloroethene, Total	96				0		400.0	411.6	
S 133 Xylenes, Total	106				0		400.0	442.0	
S 135 1,3-Dichloropropene, Total	1				0		400.0	461.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	8.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	8.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

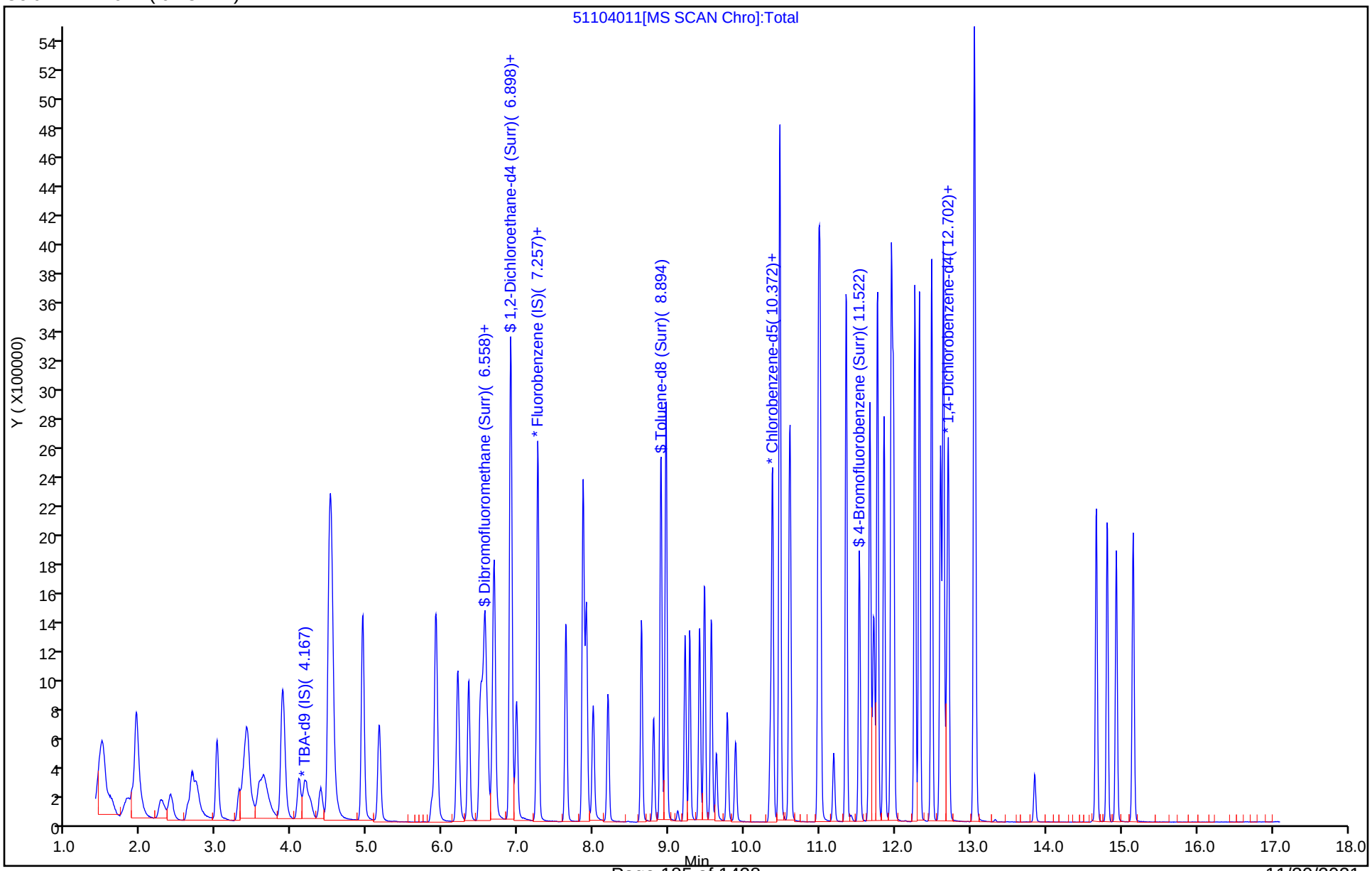
Report Date: 23-Nov-2021 08:05:35 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D

Injection Date:	04-Nov-2021 14:23:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std200			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

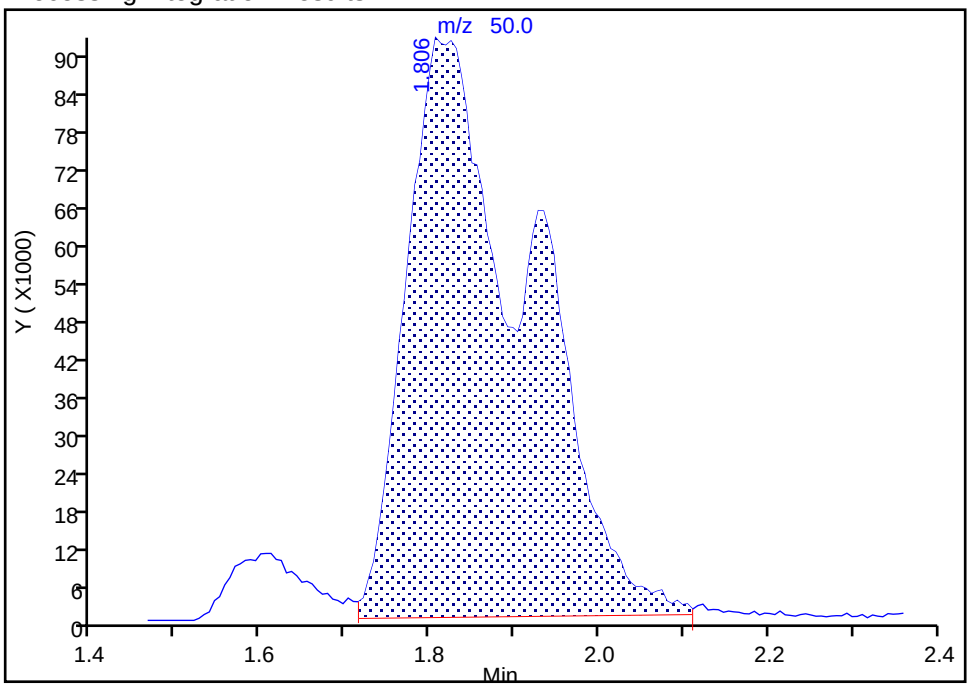
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D
Injection Date: 04-Nov-2021 14:23:30 Instrument ID: CHHP5
Lims ID: IC std200
Client ID:
Operator ID: 040712 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

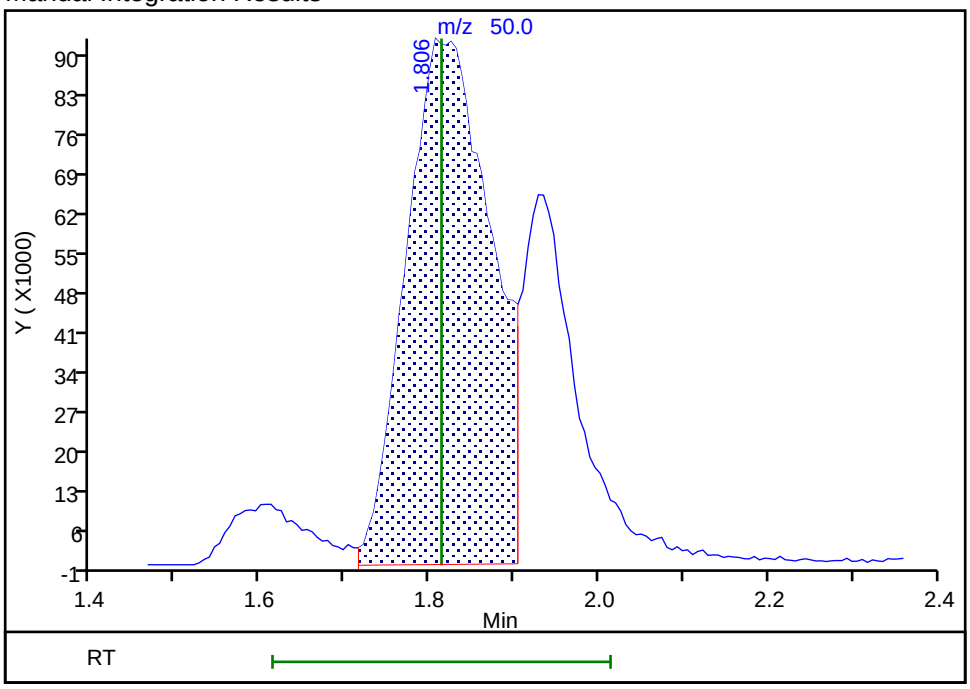
Processing Integration Results

RT: 1.81
Area: 927899
Amount: 256.1575
Amount Units: ng



Manual Integration Results

RT: 1.81
Area: 654408
Amount: 200.1942
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:48:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

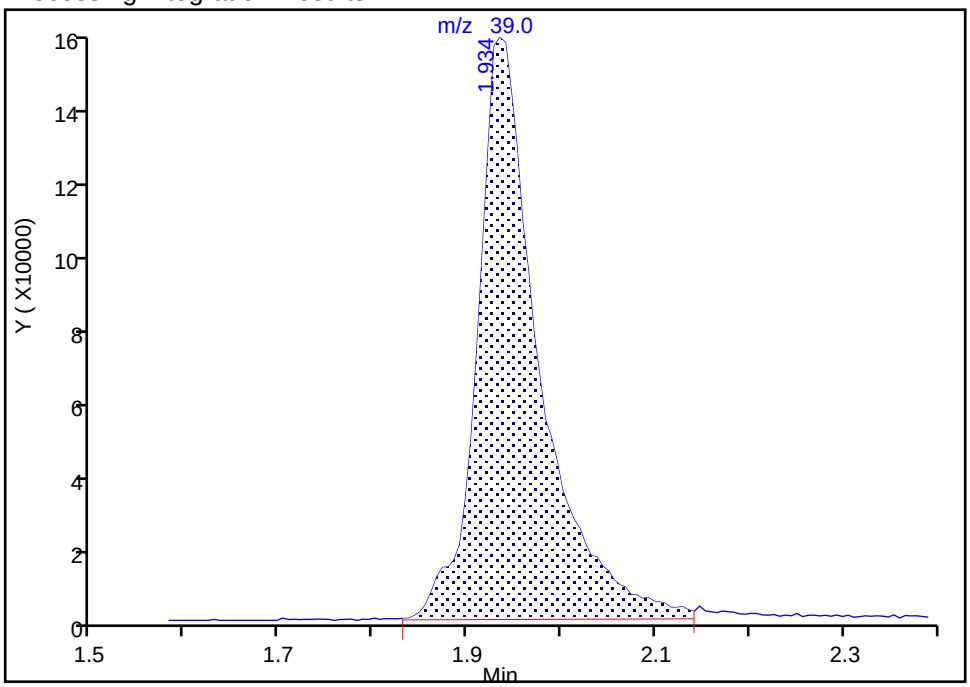
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D
Injection Date: 04-Nov-2021 14:23:30 Instrument ID: CHHP5
Lims ID: IC std200
Client ID:
Operator ID: 040712 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

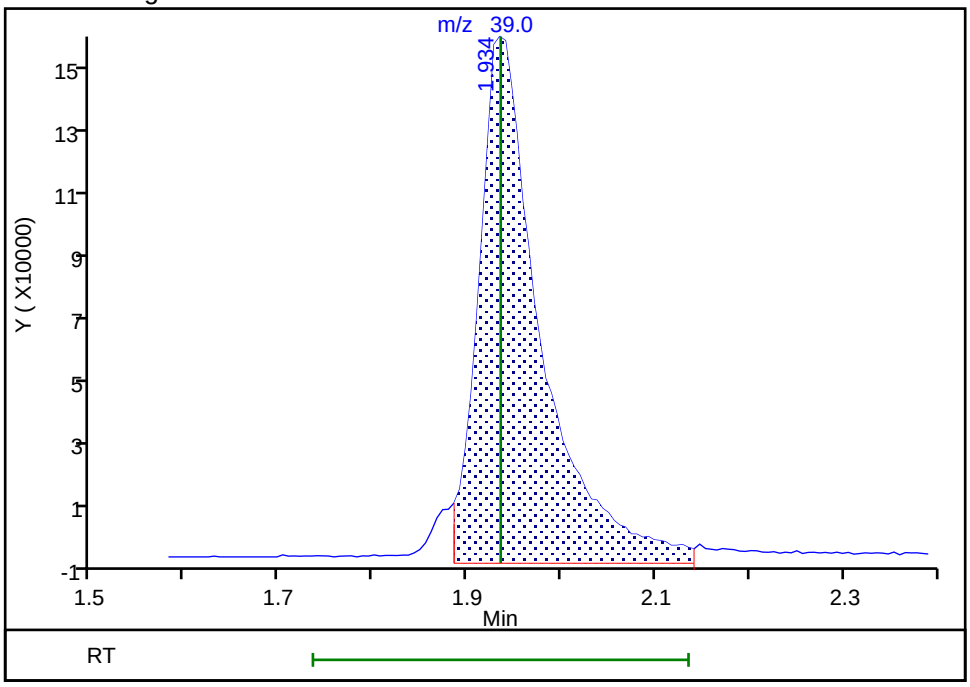
Processing Integration Results

RT: 1.93
Area: 723450
Amount: 208.3035
Amount Units: ng



Manual Integration Results

RT: 1.93
Area: 737894
Amount: 212.1857
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 15:21:03
Audit Action: Assigned New Baseline Audit Reason: Baseline

Eurofins TestAmerica, Pittsburgh

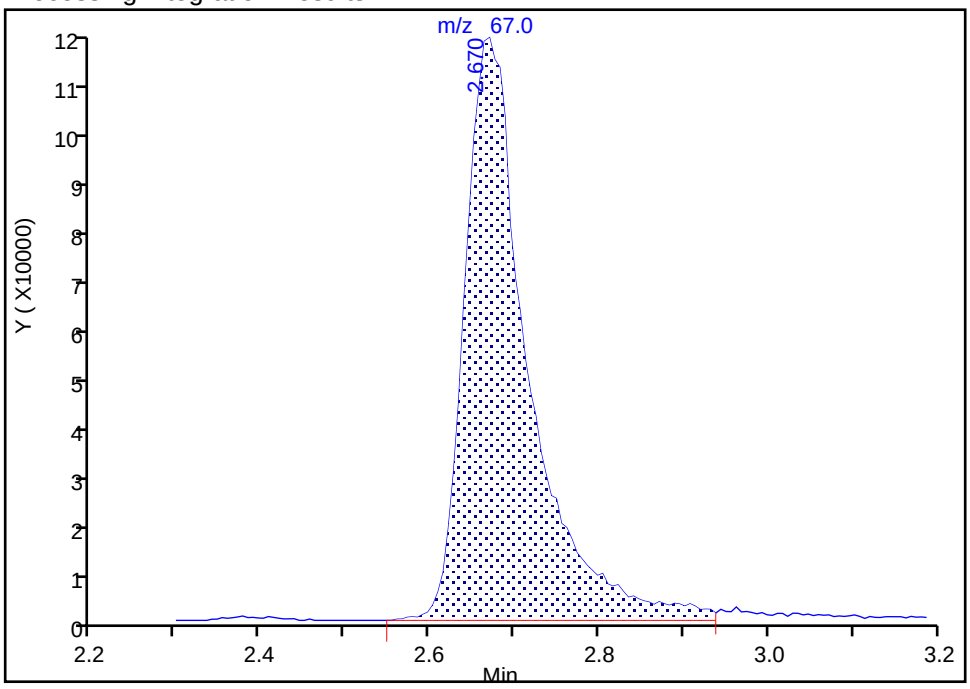
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D				
Injection Date:	04-Nov-2021 14:23:30	Instrument ID:	CHHP5		
Lims ID:	IC std200				
Client ID:					
Operator ID:	040712	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

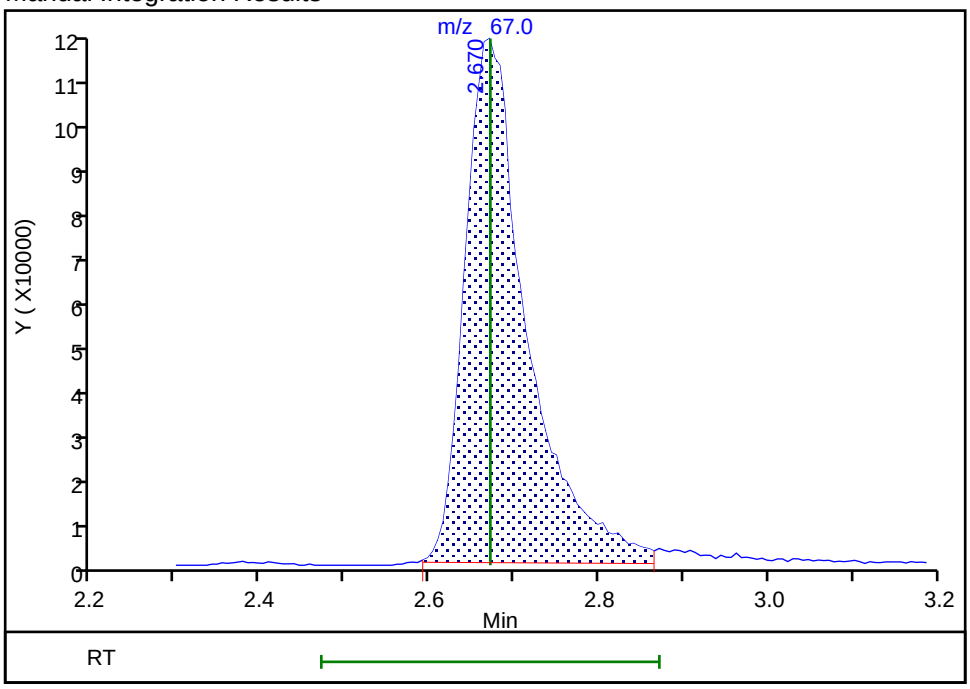
Processing Integration Results

RT: 2.67
Area: 626375
Amount: 204.0799
Amount Units: ng



Manual Integration Results

RT: 2.67
Area: 604168
Amount: 222.6016
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 15:34:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

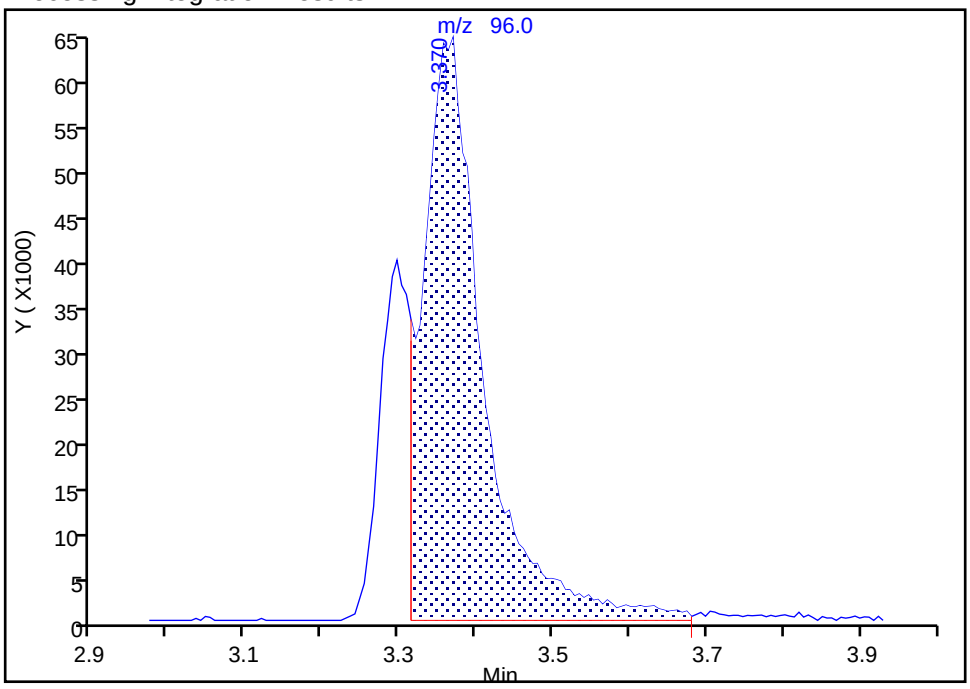
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D
Injection Date: 04-Nov-2021 14:23:30 Instrument ID: CHHP5
Lims ID: IC std200
Client ID:
Operator ID: 040712 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

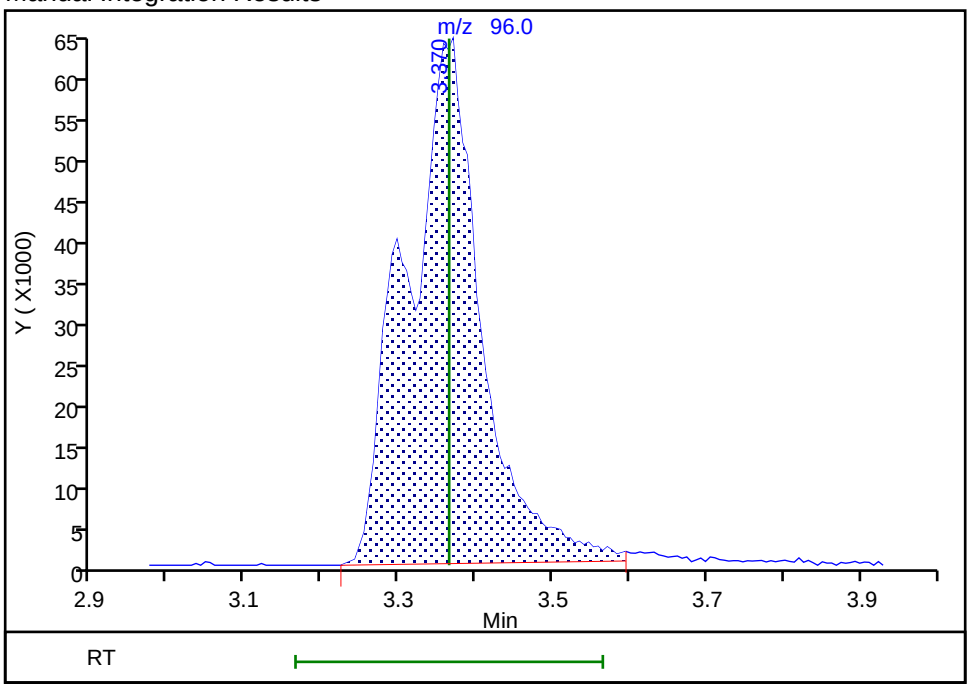
Processing Integration Results

RT: 3.37
Area: 352909
Amount: 243.4267
Amount Units: ng



Manual Integration Results

RT: 3.37
Area: 436586
Amount: 211.1411
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:51:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Pittsburgh

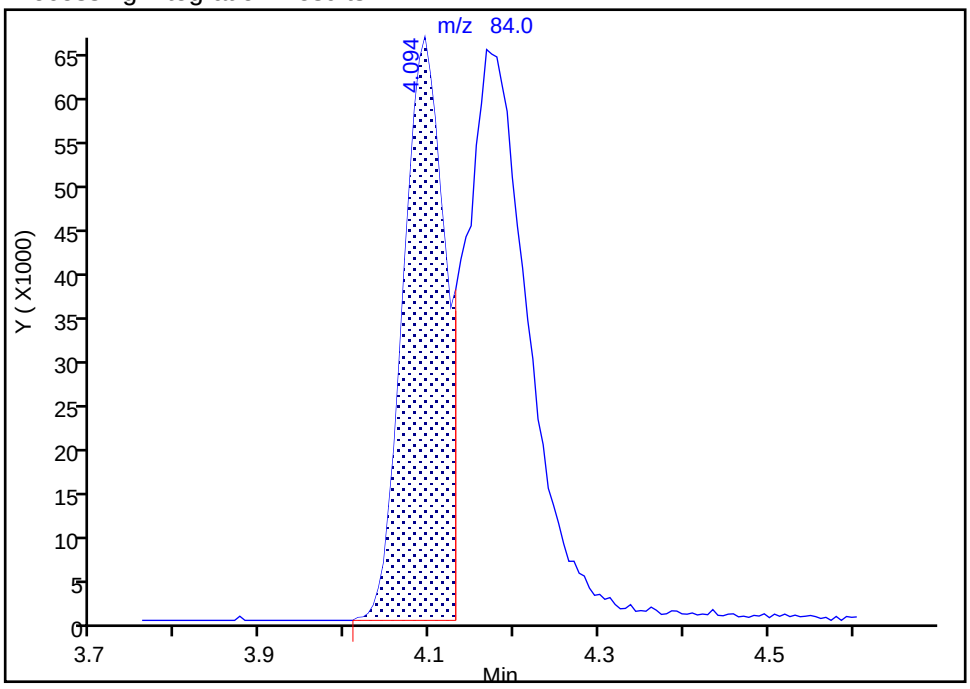
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D				
Injection Date:	04-Nov-2021 14:23:30	Instrument ID:	CHHP5		
Lims ID:	IC std200				
Client ID:					
Operator ID:	040712	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

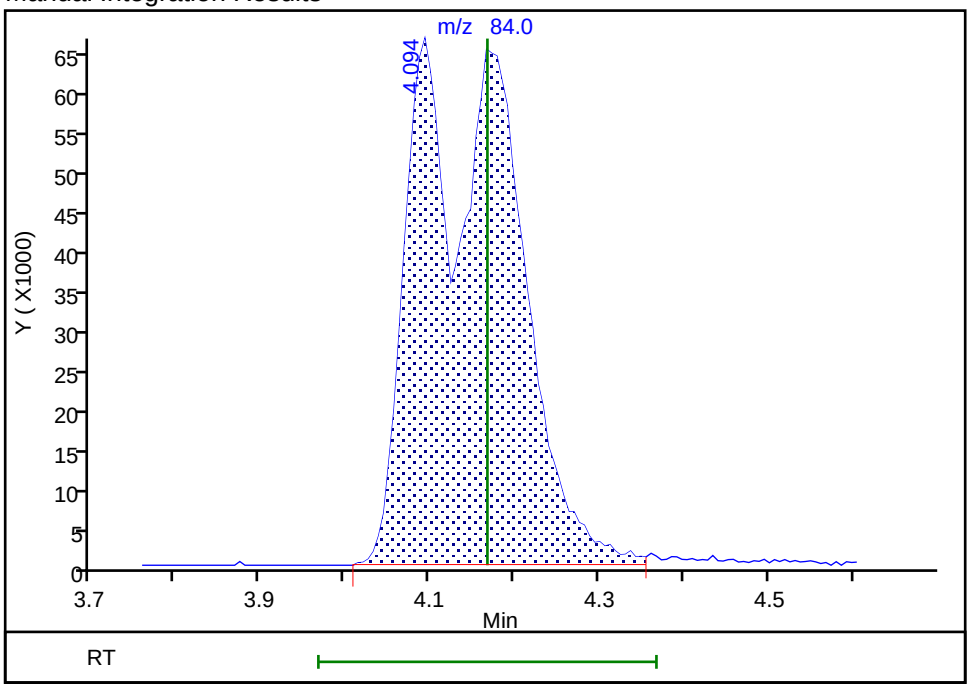
Processing Integration Results

RT: 4.09
Area: 231644
Amount: 76.410940
Amount Units: ng



Manual Integration Results

RT: 4.09
Area: 554471
Amount: 209.4316
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:11:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

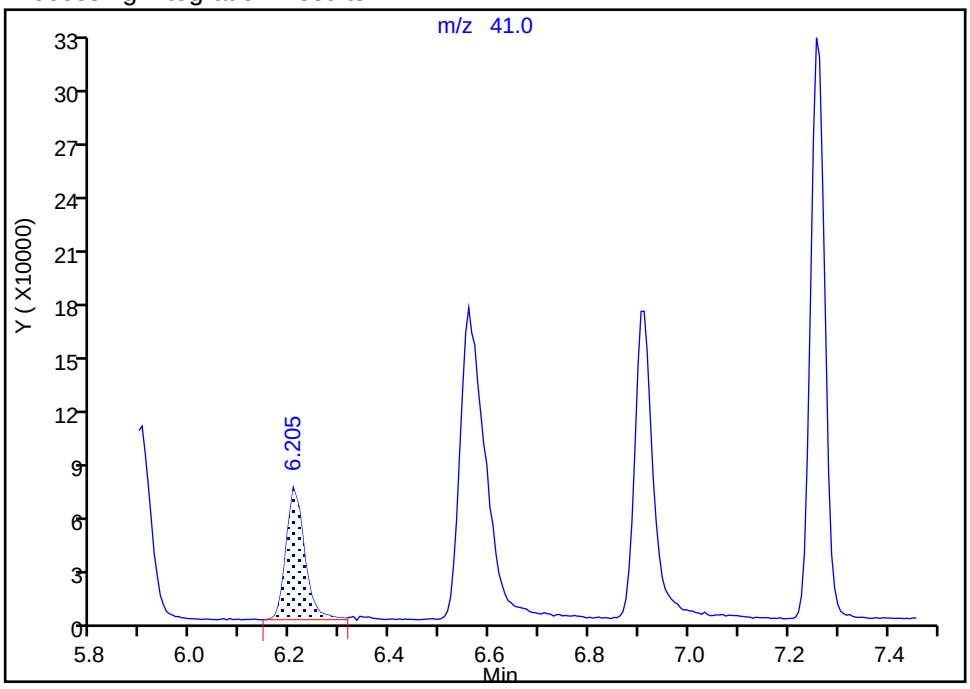
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104011.D				
Injection Date:	04-Nov-2021 14:23:30	Instrument ID:	CHHP5		
Lims ID:	IC std200				
Client ID:					
Operator ID:	040712	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

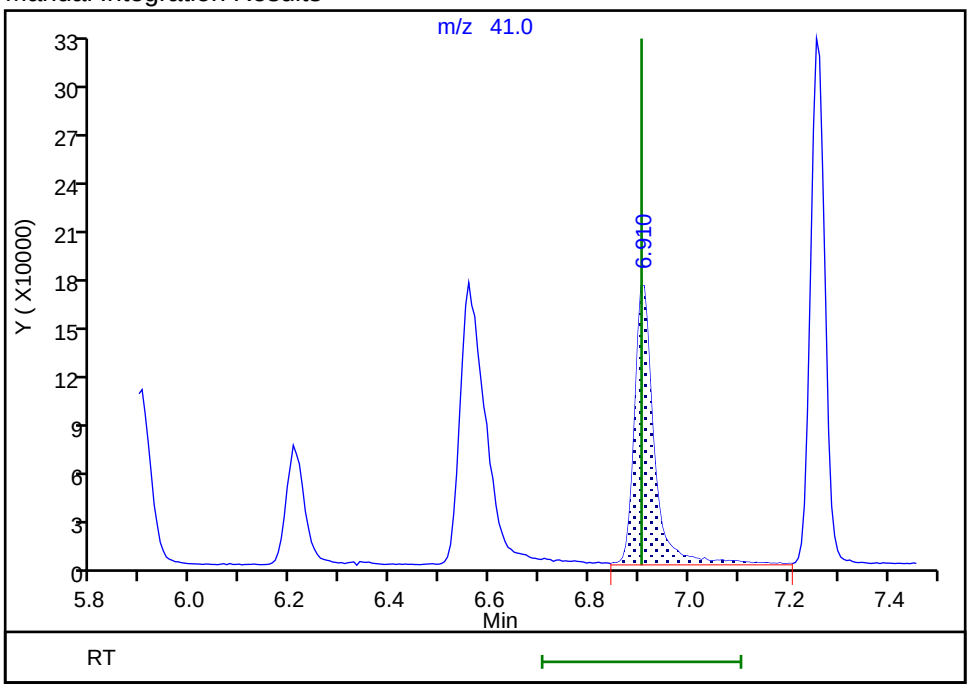
Processing Integration Results

RT: 6.20
Area: 190831
Amount: 2386.0804
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 475927
Amount: 5068.5903
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:02:10
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Lims ID: IC std250
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Nov-2021 14:50:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0039916-012
Operator ID: 040712 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub144

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 08:04:43 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: tangj Date: 23-Nov-2021 08:04:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.255	4.230	0.025	0	177735	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.241	0.001	75	488988	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	86	118867	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.680	12.680	0.000	46	212482	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.523	0.001	83	566092	250.0	234.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.888	0.001	0	745955	250.0	227.7	
$ 7 Toluene-d8 (Surr)	98	8.890	8.890	0.000	92	2329991	250.0	259.6	
$ 8 4-Bromofluorobenzene (Surr)	95	11.524	11.524	0.000	89	874230	250.0	257.7	
11 Dichlorodifluoromethane	85	1.596	1.608	-0.012	87	792857	250.0	246.1	
12 Chloromethane	50	1.821	1.821	0.000	99	833889	250.0	233.8	M
13 Vinyl chloride	62	1.913	1.924	-0.011	89	822832	250.0	252.9	
14 Butadiene	39	1.937	1.943	-0.006	94	955253	250.0	251.8	M
15 Bromomethane	94	2.265	2.271	-0.006	92	292158	250.0	189.7	
16 Chloroethane	64	2.399	2.399	0.000	93	277771	250.0	214.0	
18 Trichlorofluoromethane	101	2.685	2.679	0.006	42	535849	250.0	279.5	
17 Dichlorofluoromethane	67	2.673	2.685	-0.012	98	730223	250.0	247.0	
20 Ethyl ether	59	3.001	3.007	-0.006	94	505975	250.0	205.3	
22 1,1-Dichloroethene	96	3.360	3.299	0.061	95	549186	250.0	243.4	M
24 Acetone	43	3.403	3.409	-0.006	72	239237	250.0	227.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.409	3.415	-0.006	85	563209	250.0	225.0	
25 Iodomethane	142	3.567	3.567	0.000	96	848799	250.0	259.1	
26 Carbon disulfide	76	3.628	3.628	0.000	99	1581922	250.0	229.7	
28 3-Chloro-1-propene	76	3.865	3.865	0.000	89	468181	250.0	258.7	
30 Methyl acetate	43	3.896	3.895	0.001	98	1008448	500.0	432.3	
31 Methylene Chloride	84	4.182	4.096	0.086	97	621510	250.0	215.3	M
32 2-Methyl-2-propanol	59	4.382	4.370	0.012	0	490045	2500.0	2483.2	
33 Acrylonitrile	53	4.486	4.492	-0.006	0	2578778	2500.0	2325.2	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	0	608900	250.0	228.1	
35 Methyl tert-butyl ether	73	4.535	4.528	0.006	0	1819670	250.0	238.2	
36 Hexane	57	4.936	4.936	0.000	0	1248127	250.0	273.5	
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	1254920	250.0	242.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.897	5.897	0.000	0	124815	250.0	251.4	
45 cis-1,2-Dichloroethene	96	5.909	5.909	0.000	0	710294	250.0	246.0	
46 2-Butanone (MEK)	43	5.928	5.927	0.001	0	360840	250.0	246.1	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	349573	250.0	237.8	
51 Tetrahydrofuran	42	6.207	6.213	-0.006	90	471877	500.0	511.0	
52 Chloroform	83	6.341	6.341	0.000	0	1174725	250.0	255.0	
53 1,1,1-Trichloroethane	97	6.493	6.493	0.000	0	959455	250.0	248.6	
54 Cyclohexane	56	6.560	6.560	0.000	0	1397636	250.0	279.4	
56 Carbon tetrachloride	117	6.658	6.663	-0.005	0	851838	250.0	254.0	
55 1,1-Dichloropropene	75	6.682	6.688	-0.006	0	974306	250.0	261.2	
58 Benzene	78	6.895	6.901	-0.006	0	2873076	250.0	247.4	
57 Isobutyl alcohol	41	6.907	6.907	0.000	94	626152	6250.0	6112.2	a
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	976097	250.0	234.2	
62 n-Heptane	43	7.260	7.260	0.000	0	1445755	250.0	270.8	
64 Trichloroethene	130	7.631	7.631	0.000	0	699098	250.0	252.7	
66 Methylcyclohexane	83	7.856	7.862	-0.006	0	1351629	250.0	278.8	
67 1,2-Dichloropropane	63	7.905	7.904	0.001	0	721079	250.0	239.7	
70 1,4-Dioxane	88	7.996	7.990	0.006	0	151389	5000.0	5052.0	
68 Dibromomethane	93	7.990	7.990	0.000	0	377019	250.0	236.7	
71 Dichlorobromomethane	83	8.191	8.190	0.001	0	834242	250.0	248.1	
74 cis-1,3-Dichloropropene	75	8.635	8.634	0.001	0	1069151	250.0	273.7	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	722274	250.0	273.3	
76 Toluene	91	8.957	8.957	0.000	0	2996646	250.0	260.1	
77 trans-1,3-Dichloropropene	75	9.213	9.212	0.001	0	964502	250.0	283.7	
78 Ethyl methacrylate	69	9.274	9.273	0.001	0	871593	250.0	293.5	
79 1,1,2-Trichloroethane	97	9.401	9.407	-0.006	0	584485	250.0	239.9	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	568693	250.0	248.0	
81 1,3-Dichloropropane	76	9.559	9.559	0.000	0	1080697	250.0	246.7	
82 2-Hexanone	43	9.626	9.626	0.000	0	469544	250.0	274.4	
84 Chlorodibromomethane	129	9.772	9.772	0.000	0	569763	250.0	265.2	
85 Ethylene Dibromide	107	9.882	9.882	0.000	0	581128	250.0	248.7	
87 Chlorobenzene	112	10.369	10.368	0.001	0	1903029	250.0	250.3	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	641581	250.0	245.0	
90 Ethylbenzene	106	10.472	10.472	0.000	0	1071815	250.0	269.0	
91 m-Xylene & p-Xylene	106	10.600	10.605	-0.005	0	1337291	250.0	271.7	
92 o-Xylene	106	10.983	10.983	0.000	0	1298461	250.0	274.0	
93 Styrene	104	11.001	11.007	-0.006	0	2174109	250.0	273.7	
94 Bromoform	173	11.184	11.183	0.001	0	337652	250.0	281.7	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	3487125	250.0	284.5	
100 Bromobenzene	156	11.658	11.664	-0.006	0	798697	250.0	255.1	
99 1,1,2,2-Tetrachloroethane	83	11.670	11.670	0.000	0	770634	250.0	240.0	
102 trans-1,4-Dichloro-2-butene	53	11.707	11.707	0.000	0	212147	250.0	232.3	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	247780	250.0	236.5	
103 N-Propylbenzene	120	11.762	11.761	0.001	0	958206	250.0	278.0	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	778813	250.0	256.9	
106 1,3,5-Trimethylbenzene	105	11.950	11.950	0.000	0	2953075	250.0	279.3	
107 4-Chlorotoluene	126	11.975	11.974	0.001	0	803122	250.0	261.5	
108 tert-Butylbenzene	119	12.261	12.260	0.000	0	2549326	250.0	288.6	
110 1,2,4-Trimethylbenzene	105	12.321	12.321	0.000	0	3003401	250.0	274.6	
112 sec-Butylbenzene	105	12.480	12.485	-0.005	0	3907566	250.0	280.3	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	1543855	250.0	250.1	
114 4-Isopropyltoluene	119	12.638	12.637	0.001	0	3300287	250.0	281.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
115 1,4-Dichlorobenzene	146	12.705	12.704	0.001	0	1556788	250.0	247.0	
120 n-Butylbenzene	91	13.045	13.045	0.000	0	3056796	250.0	285.3	
121 1,2-Dichlorobenzene	146	13.057	13.057	0.000	0	1499056	250.0	241.2	
122 1,2-Dibromo-3-Chloropropane	75	13.848	13.842	0.006	0	125807	250.0	266.1	
126 1,2,4-Trichlorobenzene	180	14.670	14.663	0.007	0	1032039	250.0	278.6	
127 Hexachlorobutadiene	225	14.809	14.815	-0.006	96	572711	250.0	243.1	
128 Naphthalene	128	14.931	14.931	0.000	0	2276847	250.0	263.8	
129 1,2,3-Trichlorobenzene	180	15.156	15.156	0.000	0	976288	250.0	262.0	
S 134 1,2-Dichloroethene, Total	96				0		500.0	474.1	
S 133 Xylenes, Total	106				0		500.0	545.7	
S 154 Total BTEX	106				0		1250.0	1322.2	
S 135 1,3-Dichloropropene, Total	1				0		500.0	557.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260SURR_00127	Amount Added:	10.00	Units: uL	
VOA8260VOAPRI_00486	Amount Added:	10.00	Units: uL	
VOA8260INT_00129	Amount Added:	2.00	Units: uL	Run Reagent

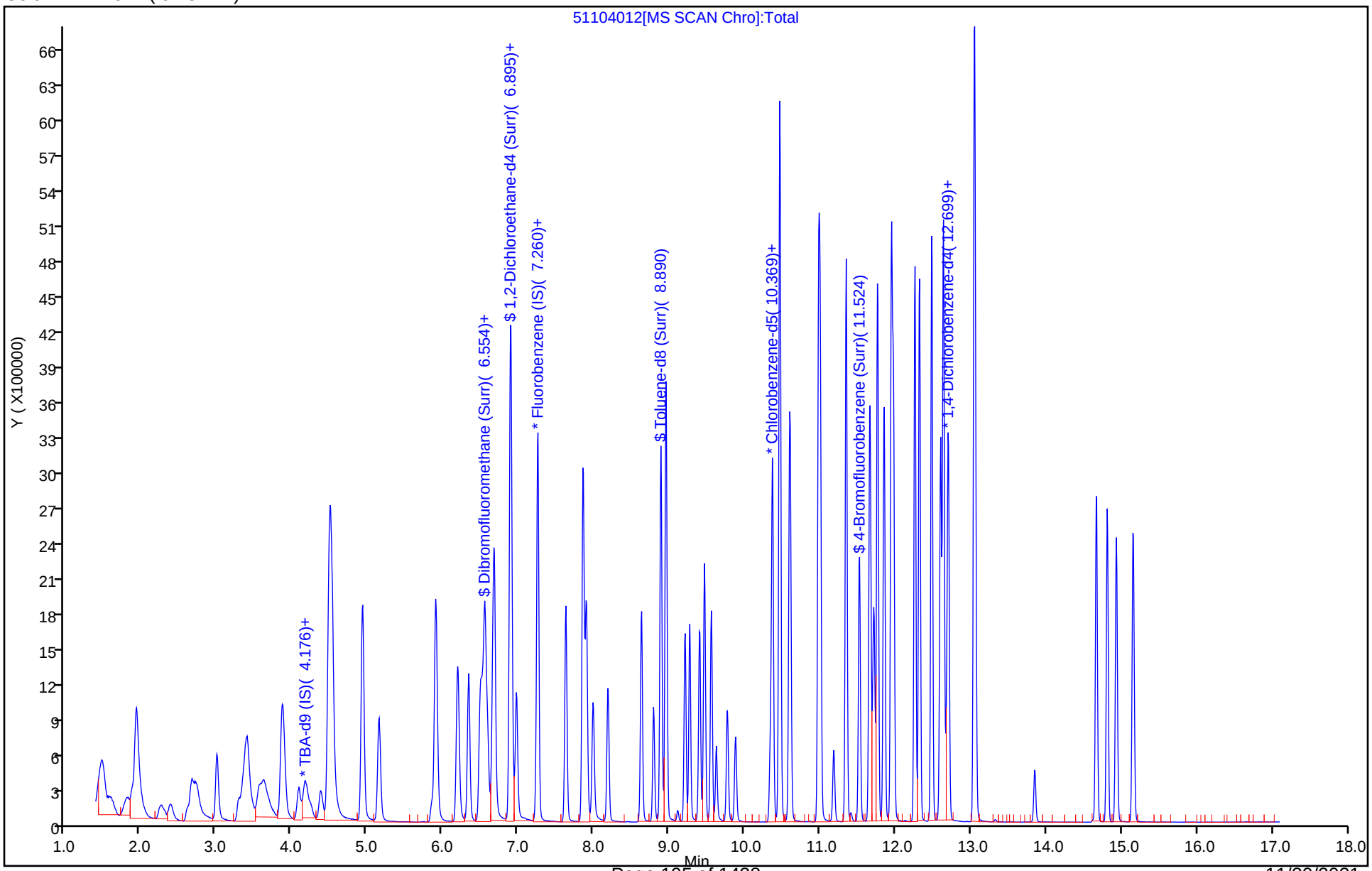
Report Date: 23-Nov-2021 08:04:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Injection Date:	04-Nov-2021 14:50:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	IC std250			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

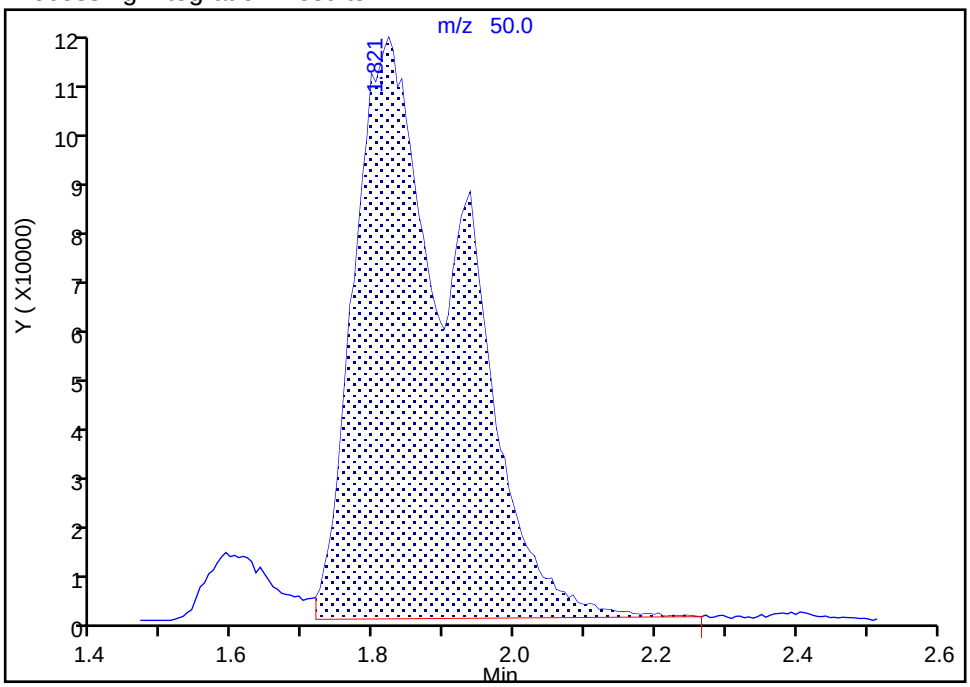
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Injection Date: 04-Nov-2021 14:50:30 Instrument ID: CHHP5
Lims ID: IC std250
Client ID:
Operator ID: 040712 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

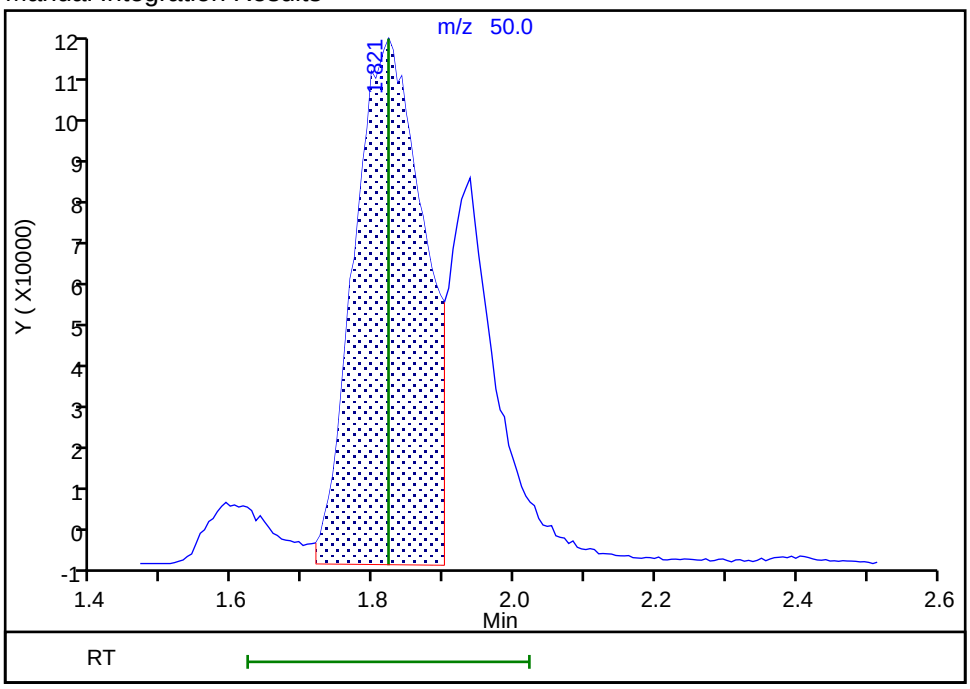
Processing Integration Results

RT: 1.82
Area: 1232280
Amount: 327.2504
Amount Units: ng



Manual Integration Results

RT: 1.82
Area: 833889
Amount: 233.8207
Amount Units: ng



Reviewer: tangj, 08-Nov-2021 08:49:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

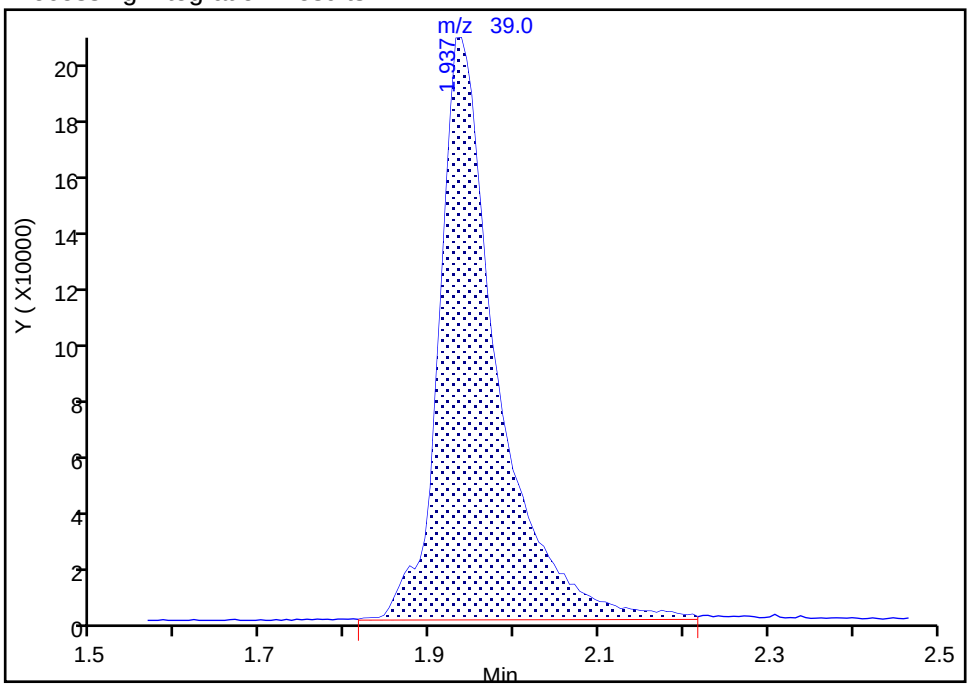
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Injection Date: 04-Nov-2021 14:50:30 Instrument ID: CHHP5
Lims ID: IC std250
Client ID:
Operator ID: 040712 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

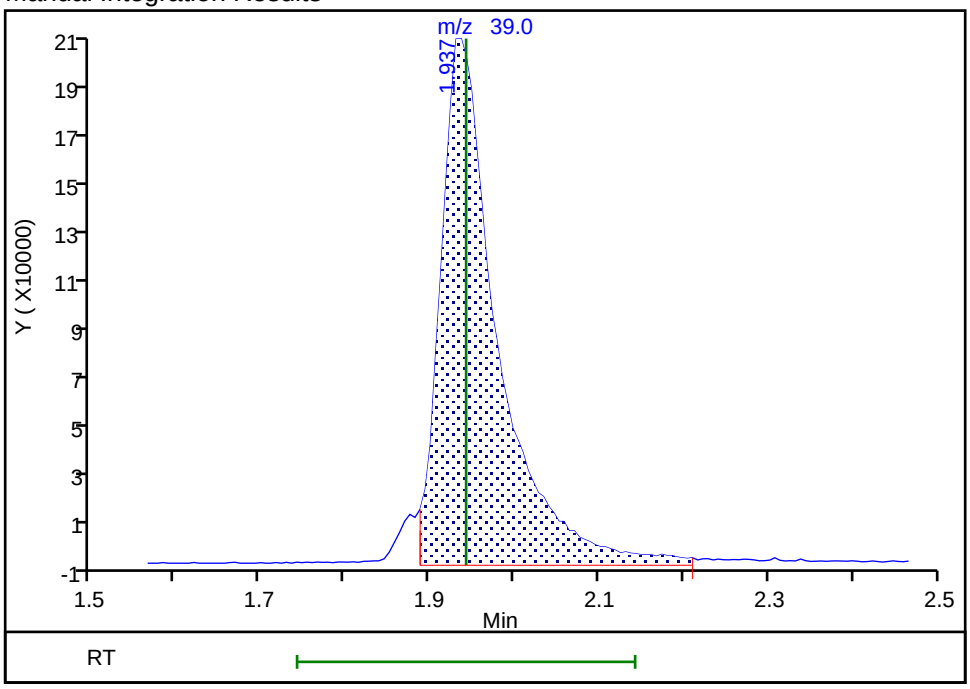
Processing Integration Results

RT: 1.94
Area: 965067
Amount: 254.0329
Amount Units: ng



Manual Integration Results

RT: 1.94
Area: 955253
Amount: 251.7748
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 15:22:47
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

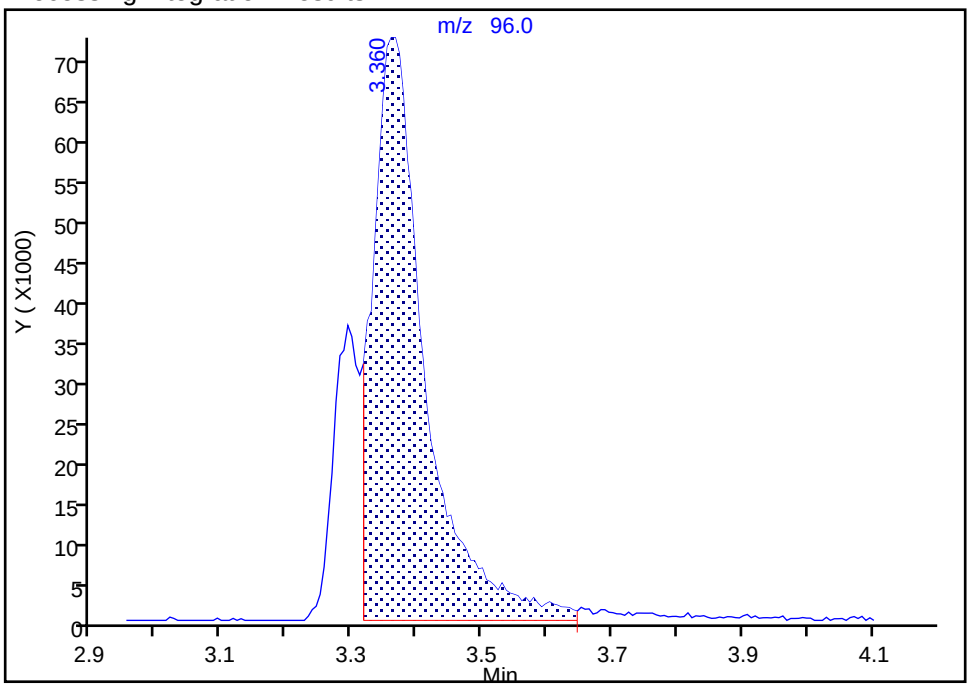
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Injection Date: 04-Nov-2021 14:50:30 Instrument ID: CHHP5
Lims ID: IC std250
Client ID:
Operator ID: 040712 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

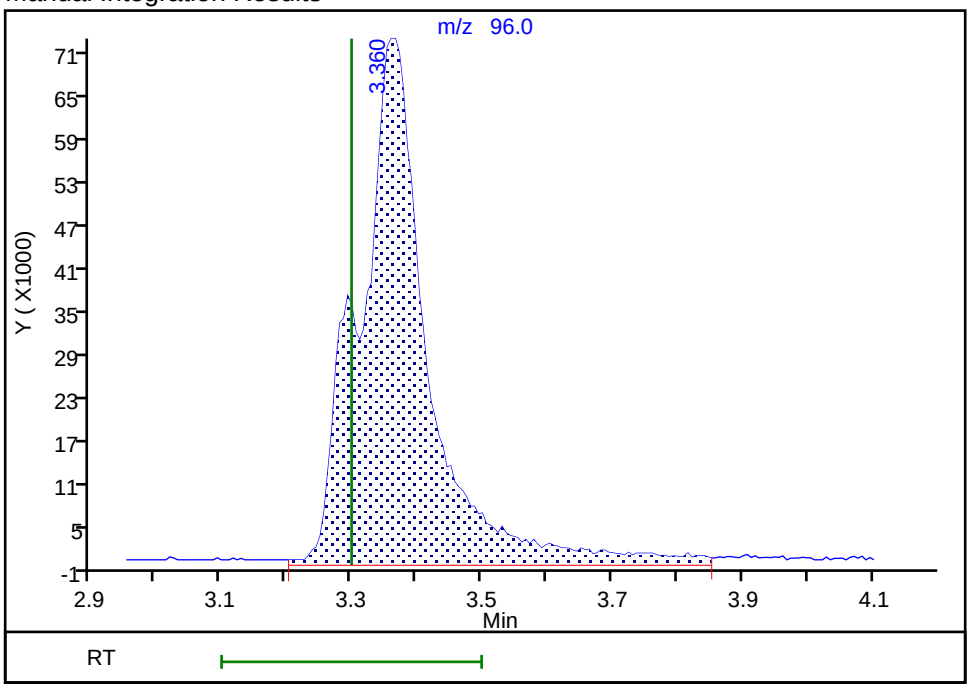
Processing Integration Results

RT: 3.36
Area: 409385
Amount: 264.0114
Amount Units: ng



Manual Integration Results

RT: 3.36
Area: 549186
Amount: 243.4412
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 16:53:27
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

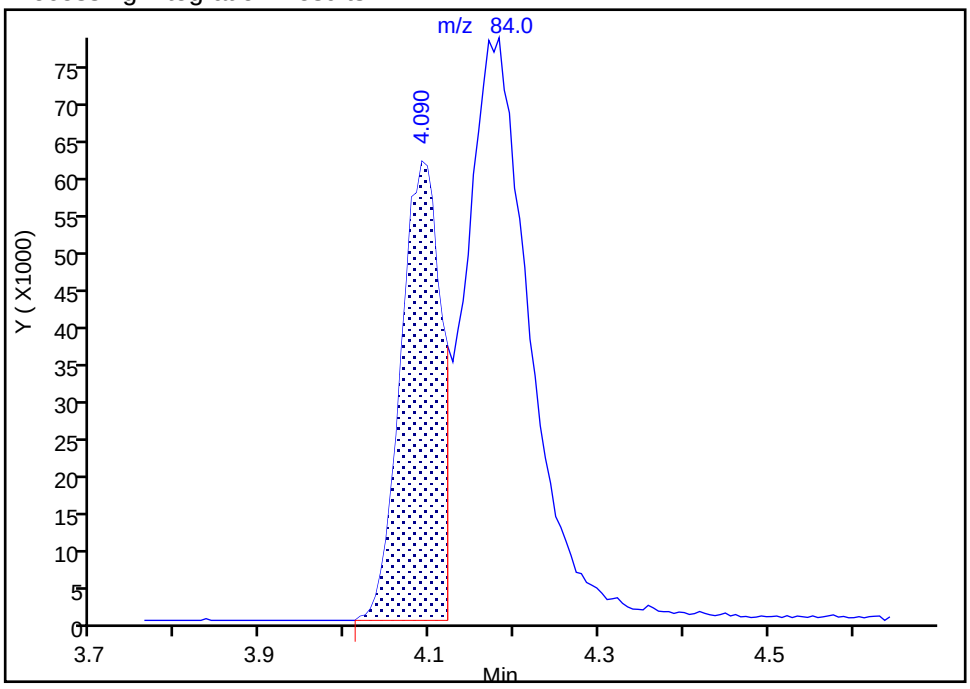
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Injection Date: 04-Nov-2021 14:50:30 Instrument ID: CHHP5
Lims ID: IC std250
Client ID:
Operator ID: 040712 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

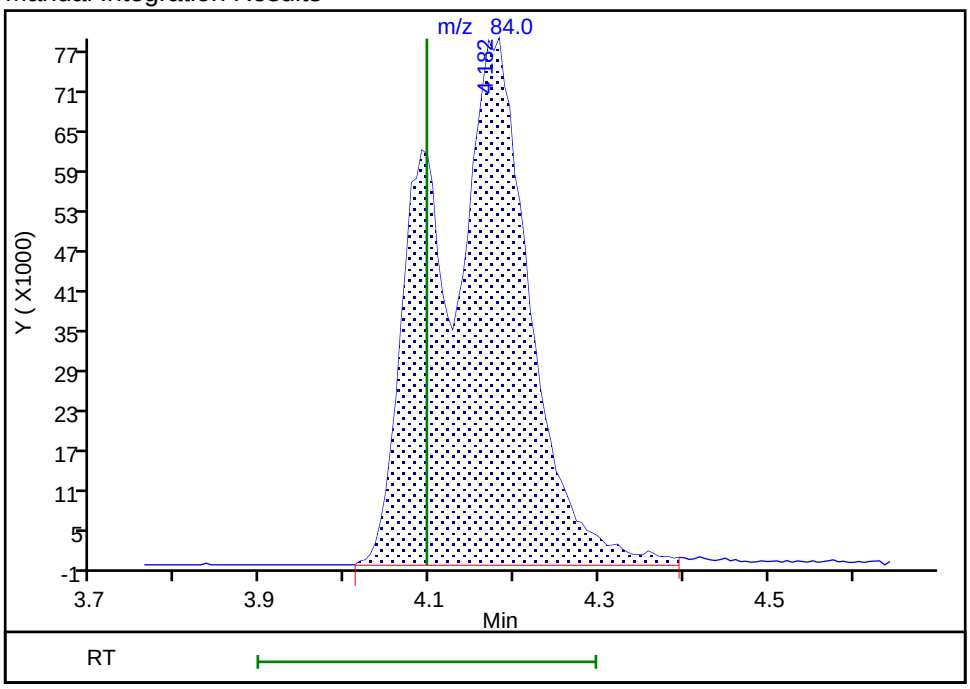
Processing Integration Results

RT: 4.09
Area: 205992
Amount: 67.077388
Amount Units: ng



Manual Integration Results

RT: 4.18
Area: 621510
Amount: 215.3468
Amount Units: ng



Reviewer: tangj, 04-Nov-2021 17:12:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

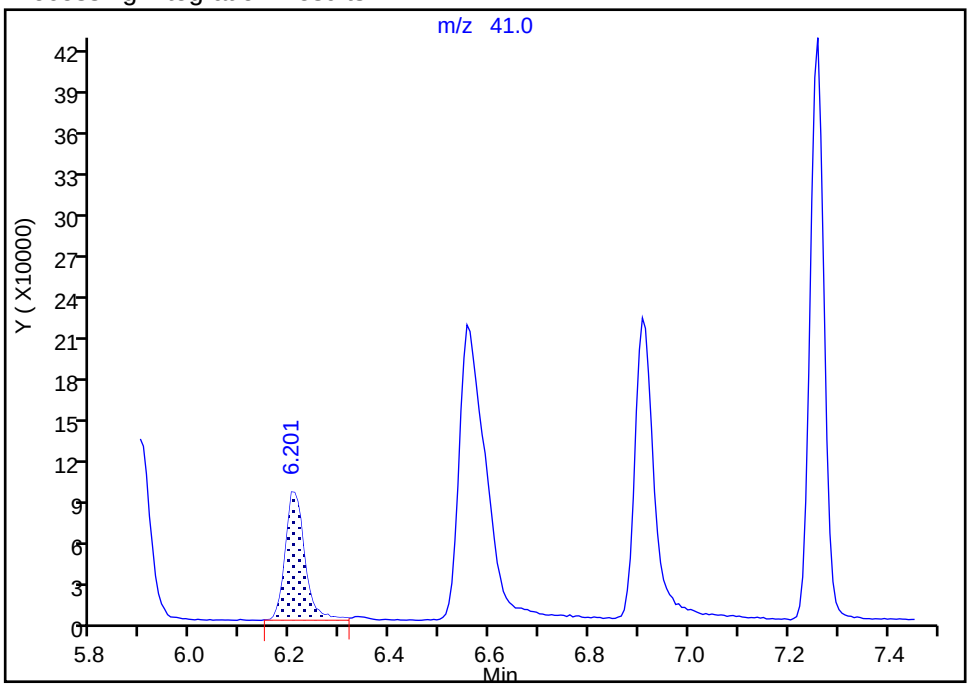
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D
Injection Date: 04-Nov-2021 14:50:30 Instrument ID: CHHP5
Lims ID: IC std250
Client ID:
Operator ID: 040712 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

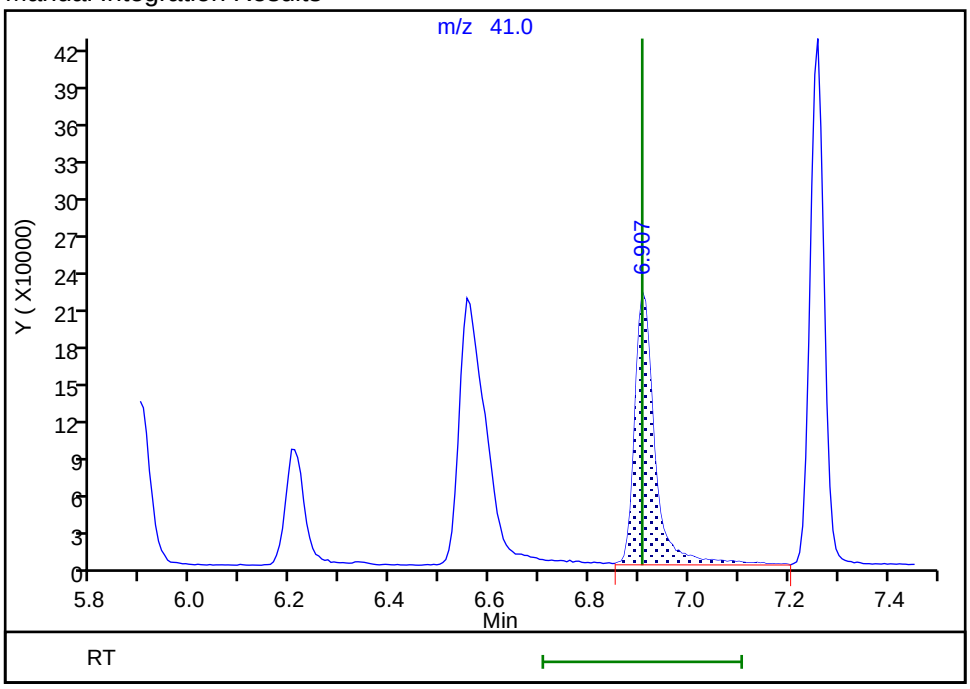
Processing Integration Results

RT: 6.20
Area: 255583
Amount: 2689.4578
Amount Units: ng



Manual Integration Results

RT: 6.91
Area: 626152
Amount: 6112.2108
Amount Units: ng



Reviewer: tangj, 23-Nov-2021 08:02:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

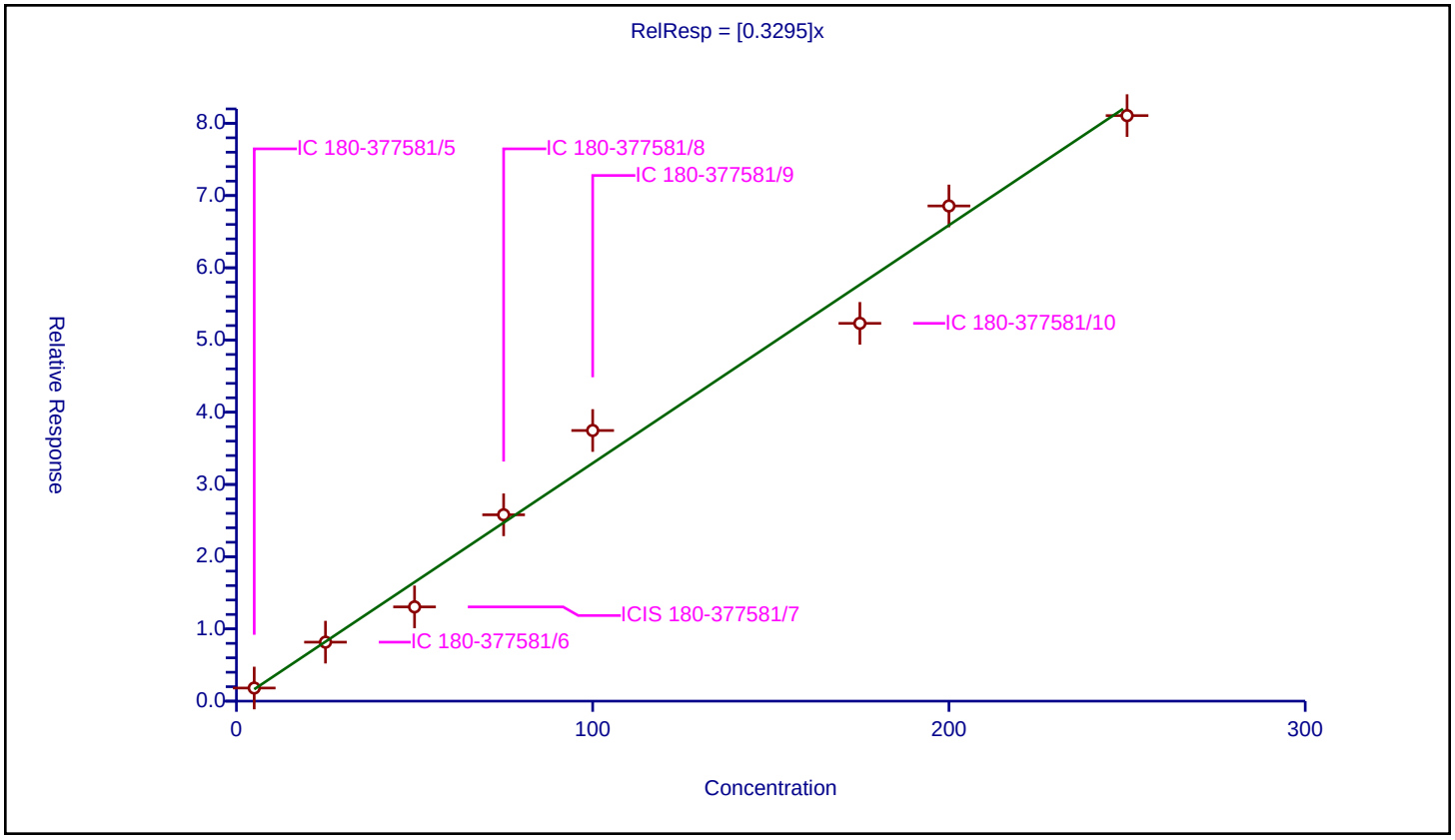
Curve Coefficients

Intercept:	0
Slope:	0.3295

Error Coefficients

Standard Error:	441000
Relative Standard Error:	11.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.817004	50.0	385167.0	0.363401	Y
2	IC 180-377581/6	25.0	8.165595	50.0	416522.0	0.326624	Y
3	ICIS 180-377581/7	50.0	13.049101	50.0	433390.0	0.260982	Y
4	IC 180-377581/8	75.0	25.801659	50.0	425711.0	0.344022	Y
5	IC 180-377581/9	100.0	37.472823	50.0	398310.0	0.374728	Y
6	IC 180-377581/10	175.0	52.306536	50.0	430906.0	0.298894	Y
7	IC 180-377581/11	200.0	68.561774	50.0	448198.0	0.342809	Y
8	IC 180-377581/12	250.0	81.071212	50.0	488988.0	0.324285	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

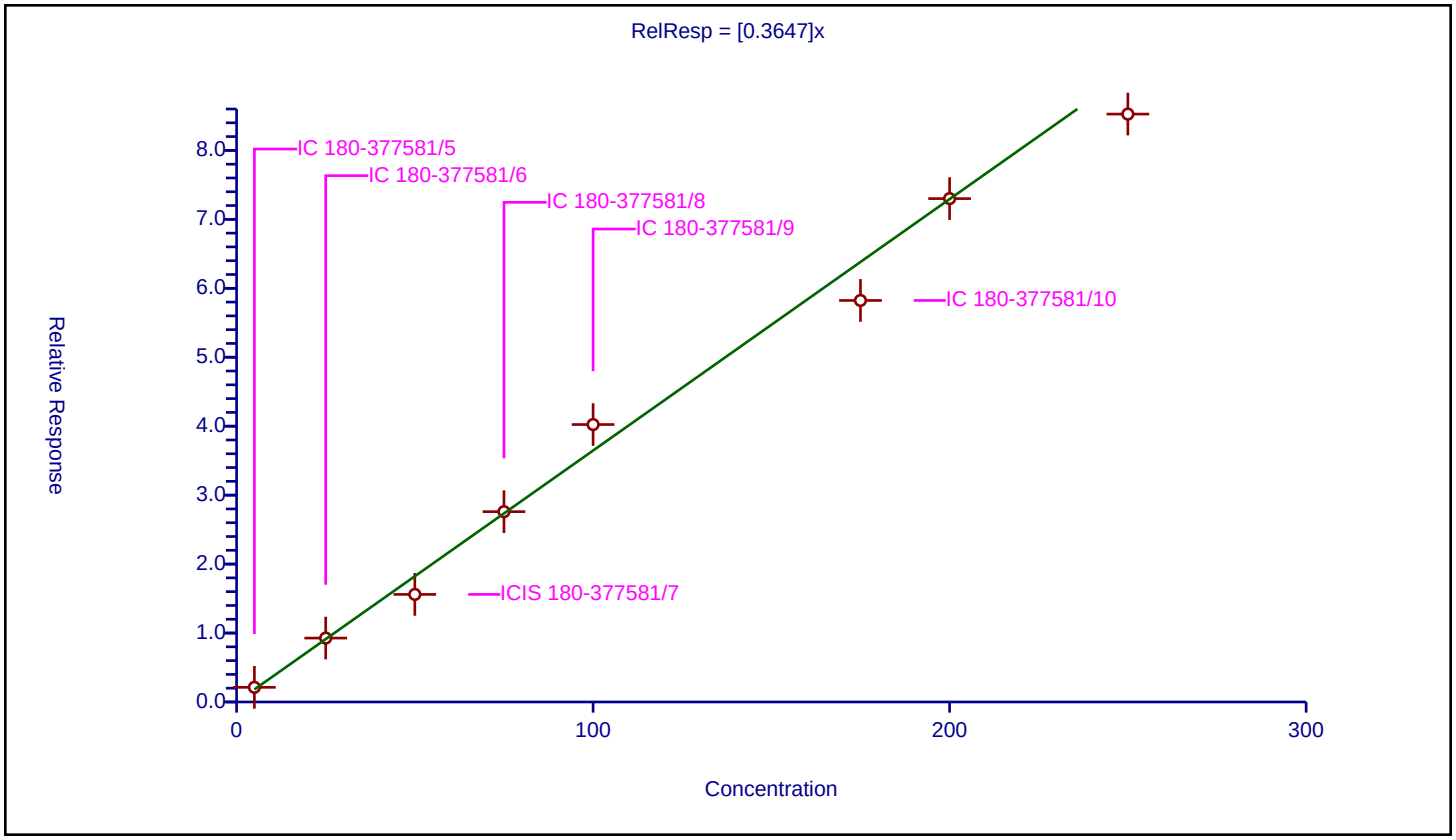
Curve Coefficients

Intercept:	0
Slope:	0.3647

Error Coefficients

Standard Error:	472000
Relative Standard Error:	10.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.125701	50.0	385167.0	0.42514	Y
2	IC 180-377581/6	25.0	9.270219	50.0	416522.0	0.370809	Y
3	ICIS 180-377581/7	50.0	15.602921	50.0	433390.0	0.312058	Y
4	IC 180-377581/8	75.0	27.604995	50.0	425711.0	0.368067	Y
5	IC 180-377581/9	100.0	40.240642	50.0	398310.0	0.402406	Y
6	IC 180-377581/10	175.0	58.234975	50.0	430906.0	0.332771	Y
7	IC 180-377581/11	200.0	73.004342	50.0	448198.0	0.365022	Y
8	IC 180-377581/12	250.0	85.266816	50.0	488988.0	0.341067	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

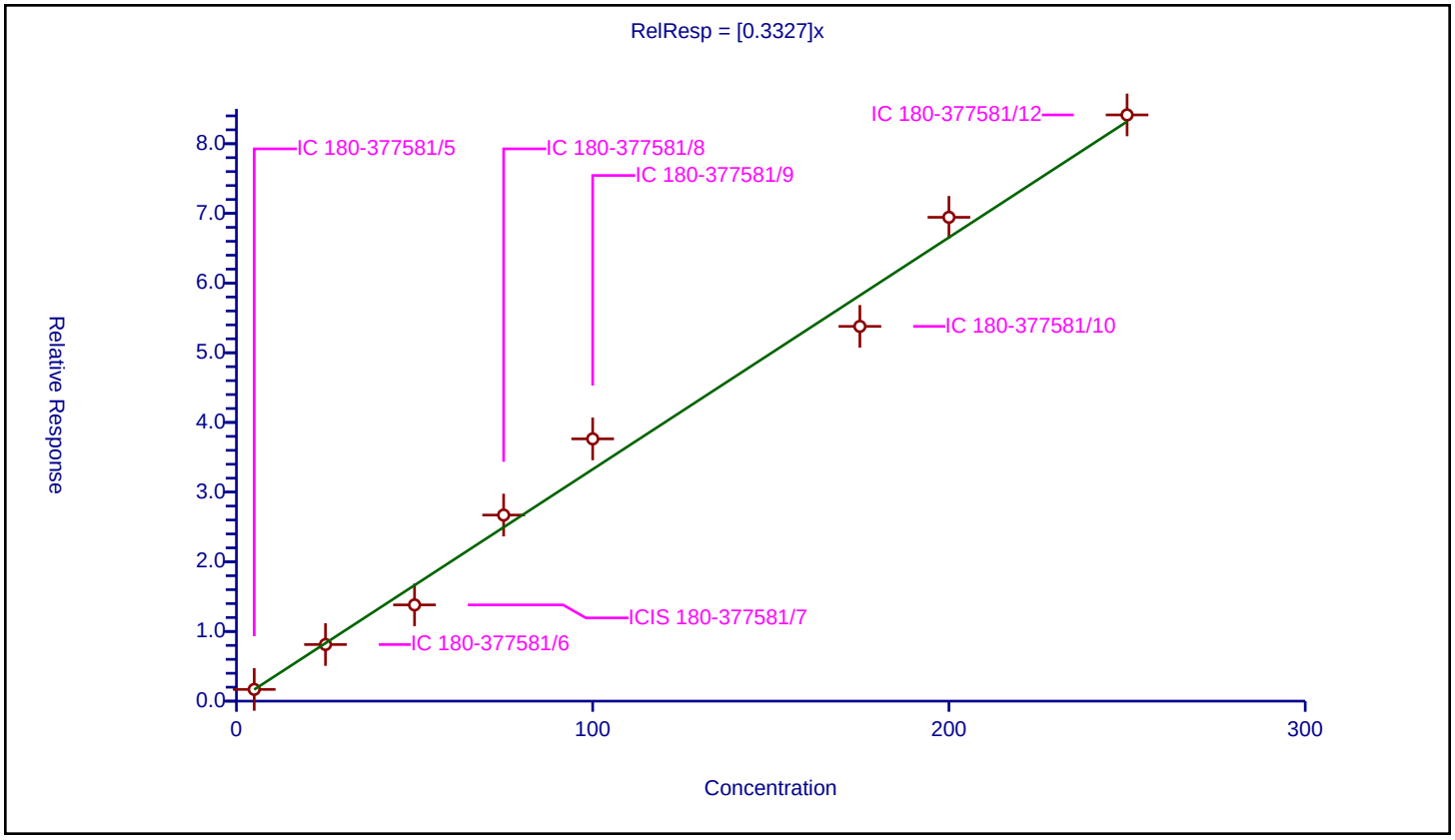
Curve Coefficients

Intercept:	0
Slope:	0.3327

Error Coefficients

Standard Error:	454000
Relative Standard Error:	9.2
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.685373	50.0	385167.0	0.337075	Y
2	IC 180-377581/6	25.0	8.123821	50.0	416522.0	0.324953	Y
3	ICIS 180-377581/7	50.0	13.813424	50.0	433390.0	0.276268	Y
4	IC 180-377581/8	75.0	26.70779	50.0	425711.0	0.356104	Y
5	IC 180-377581/9	100.0	37.641535	50.0	398310.0	0.376415	Y
6	IC 180-377581/10	175.0	53.784352	50.0	430906.0	0.307339	Y
7	IC 180-377581/11	200.0	69.441408	50.0	448198.0	0.347207	Y
8	IC 180-377581/12	250.0	84.136216	50.0	488988.0	0.336545	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

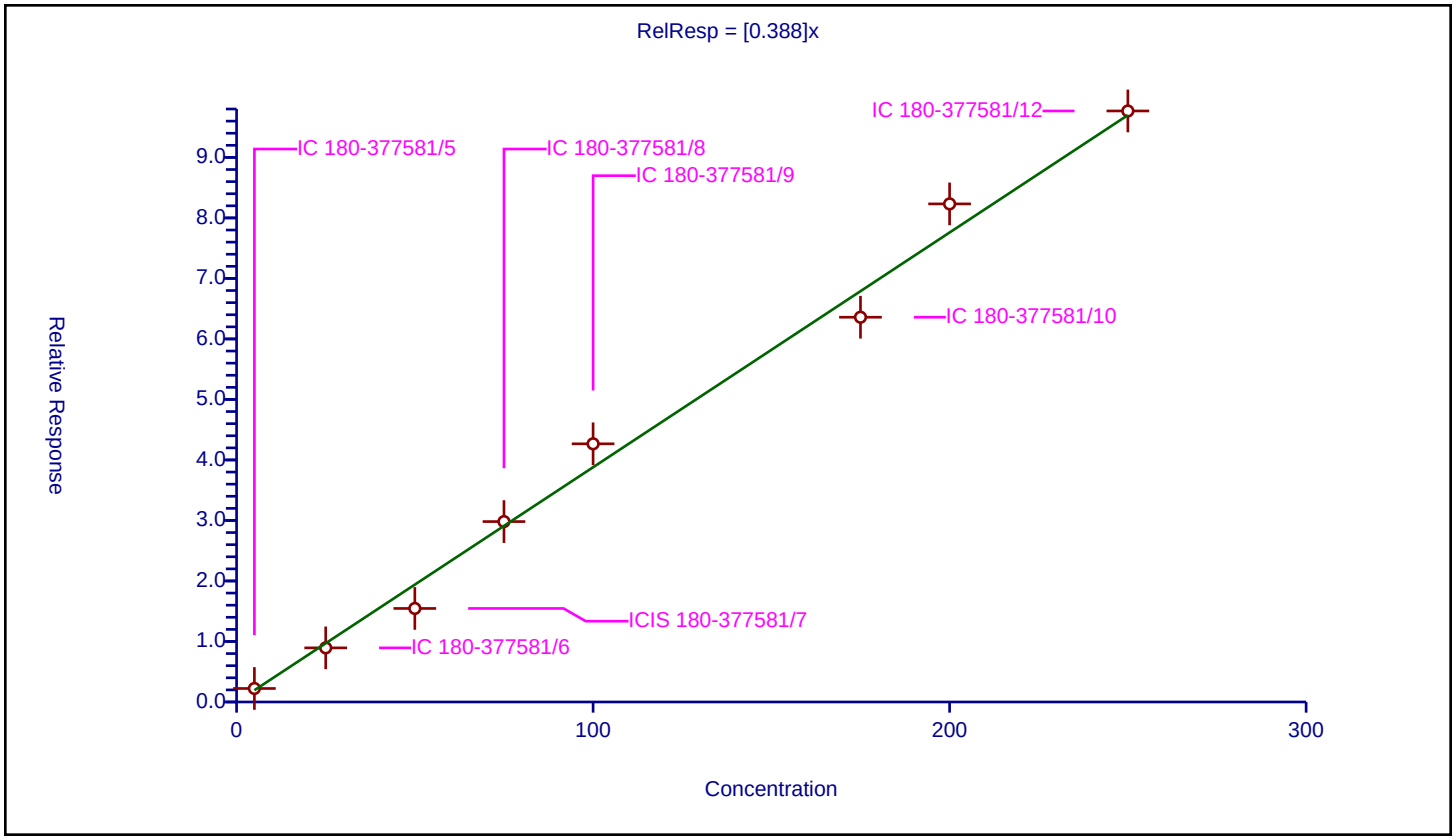
Curve Coefficients

Intercept:	0
Slope:	0.388

Error Coefficients

Standard Error:	529000
Relative Standard Error:	11.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.233836	50.0	385167.0	0.446767	Y
2	IC 180-377581/6	25.0	8.944305	50.0	416522.0	0.357772	Y
3	ICIS 180-377581/7	50.0	15.459632	50.0	433390.0	0.309193	Y
4	IC 180-377581/8	75.0	29.814593	50.0	425711.0	0.397528	Y
5	IC 180-377581/9	100.0	42.669152	50.0	398310.0	0.426692	Y
6	IC 180-377581/10	175.0	63.589623	50.0	430906.0	0.363369	Y
7	IC 180-377581/11	200.0	82.31786	50.0	448198.0	0.411589	Y
8	IC 180-377581/12	250.0	97.676528	50.0	488988.0	0.390706	Y



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

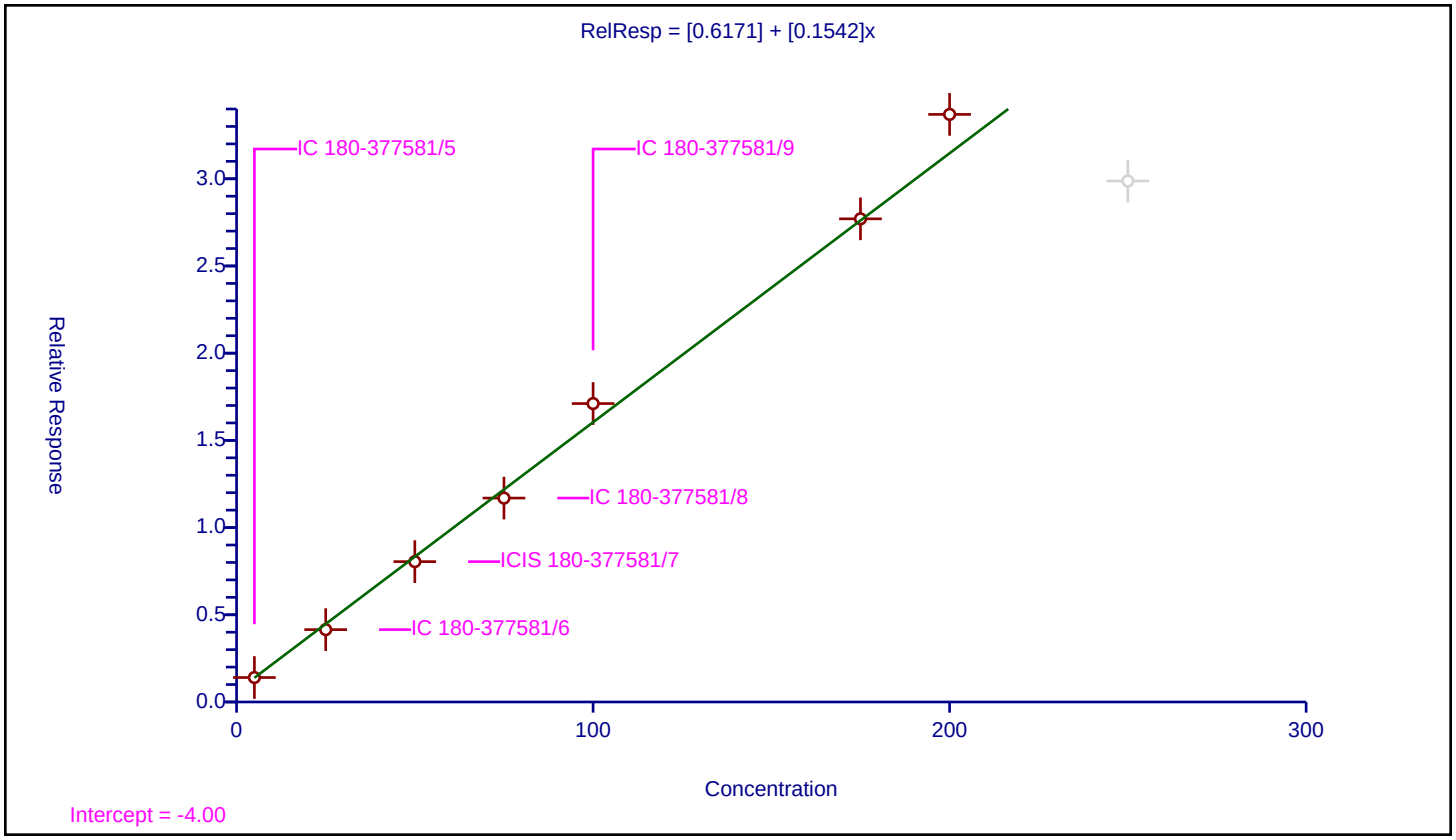
Curve Coefficients

Intercept:	0.6171
Slope:	0.1542

Error Coefficients

Standard Error:	191000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.402119	50.0	385167.0	0.280424	Y
2	IC 180-377581/6	25.0	4.14852	50.0	416522.0	0.165941	Y
3	ICIS 180-377581/7	50.0	8.047717	50.0	433390.0	0.160954	Y
4	IC 180-377581/8	75.0	11.691969	50.0	425711.0	0.155893	Y
5	IC 180-377581/9	100.0	17.111546	50.0	398310.0	0.171115	Y
6	IC 180-377581/10	175.0	27.70407	50.0	430906.0	0.158309	Y
7	IC 180-377581/11	200.0	33.690802	50.0	448198.0	0.168454	Y
8	IC 180-377581/12	250.0	29.873739	50.0	488988.0	0.119495	N



Calibration / Chloroethane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

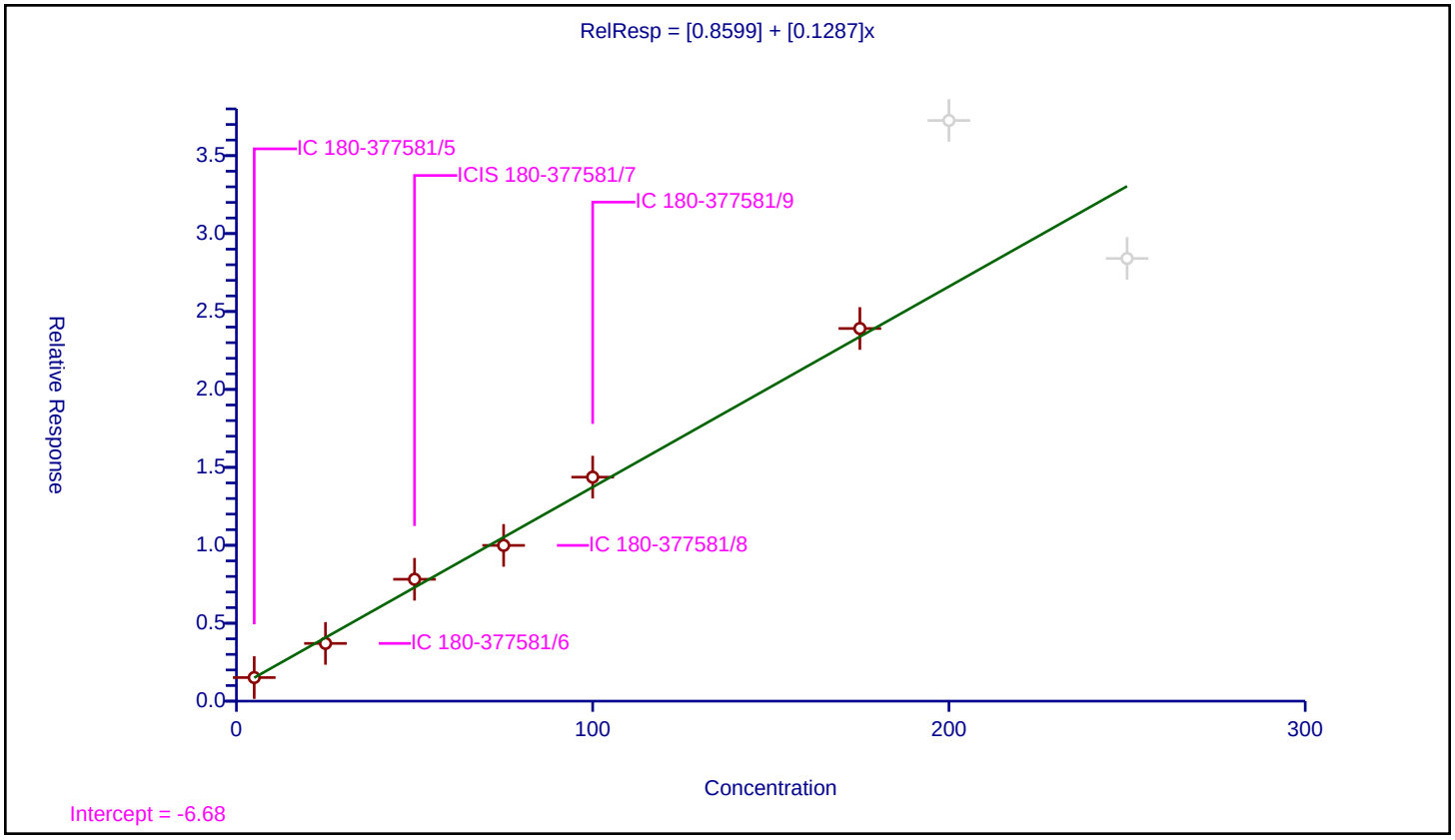
Curve Coefficients

Intercept:	0.8599
Slope:	0.1287

Error Coefficients

Standard Error:	131000
Relative Standard Error:	8.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.513499	50.0	385167.0	0.3027	Y
2	IC 180-377581/6	25.0	3.703646	50.0	416522.0	0.148146	Y
3	ICIS 180-377581/7	50.0	7.819862	50.0	433390.0	0.156397	Y
4	IC 180-377581/8	75.0	9.992577	50.0	425711.0	0.133234	Y
5	IC 180-377581/9	100.0	14.372474	50.0	398310.0	0.143725	Y
6	IC 180-377581/10	175.0	23.910203	50.0	430906.0	0.13663	Y
7	IC 180-377581/11	200.0	37.256413	50.0	448198.0	0.186282	N
8	IC 180-377581/12	250.0	28.40264	50.0	488988.0	0.113611	N



Calibration / Dichlorofluoromethane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

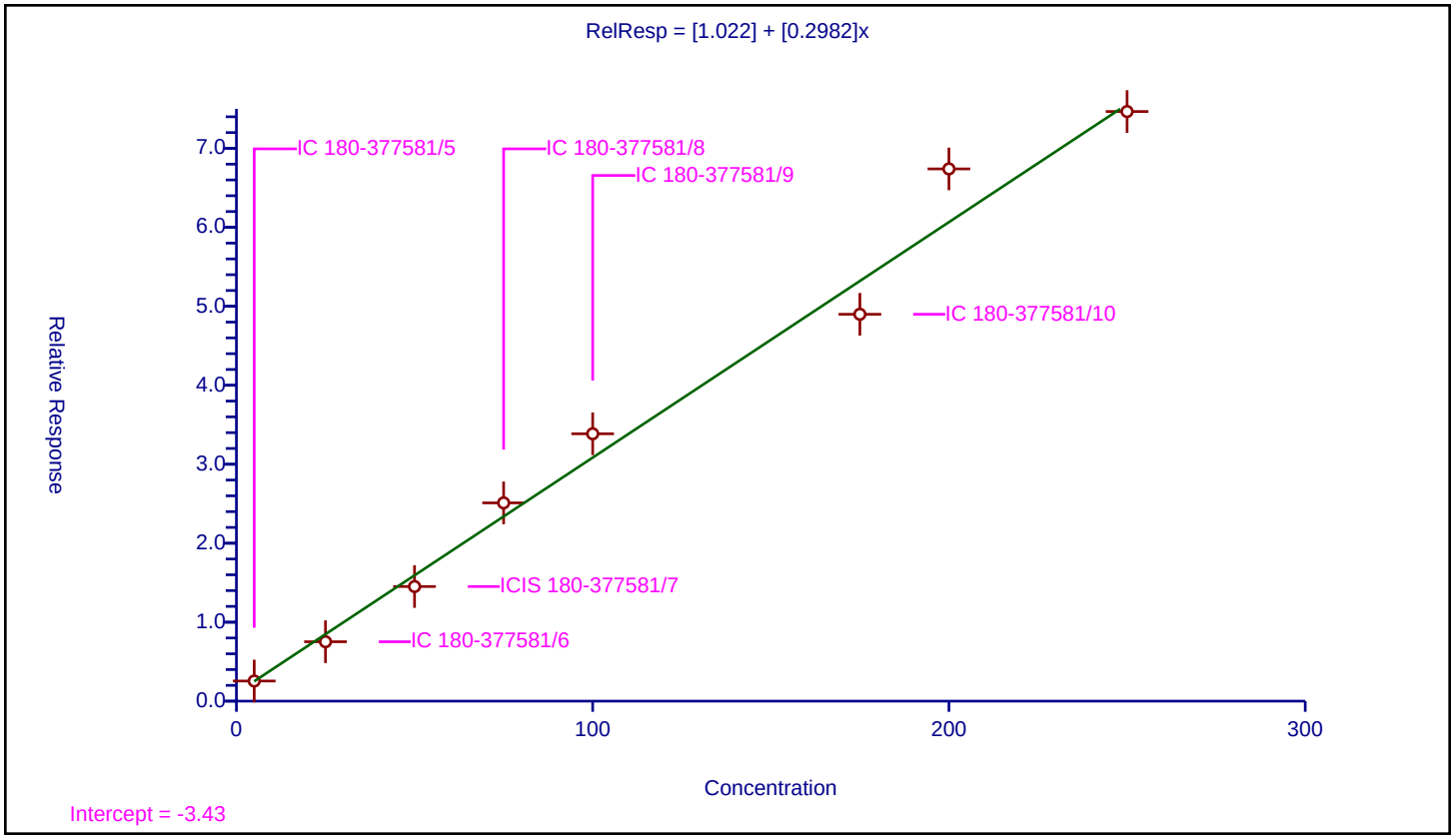
Curve Coefficients

Intercept:	1.022
Slope:	0.2982

Error Coefficients

Standard Error:	450000
Relative Standard Error:	10.1
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.549414	50.0	385167.0	0.509883	Y
2	IC 180-377581/6	25.0	7.523492	50.0	416522.0	0.30094	Y
3	ICIS 180-377581/7	50.0	14.51464	50.0	433390.0	0.290293	Y
4	IC 180-377581/8	75.0	25.106939	50.0	425711.0	0.334759	Y
5	IC 180-377581/9	100.0	33.856544	50.0	398310.0	0.338565	Y
6	IC 180-377581/10	175.0	48.9934	50.0	430906.0	0.279962	Y
7	IC 180-377581/11	200.0	67.399676	50.0	448198.0	0.336998	Y
8	IC 180-377581/12	250.0	74.666761	50.0	488988.0	0.298667	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

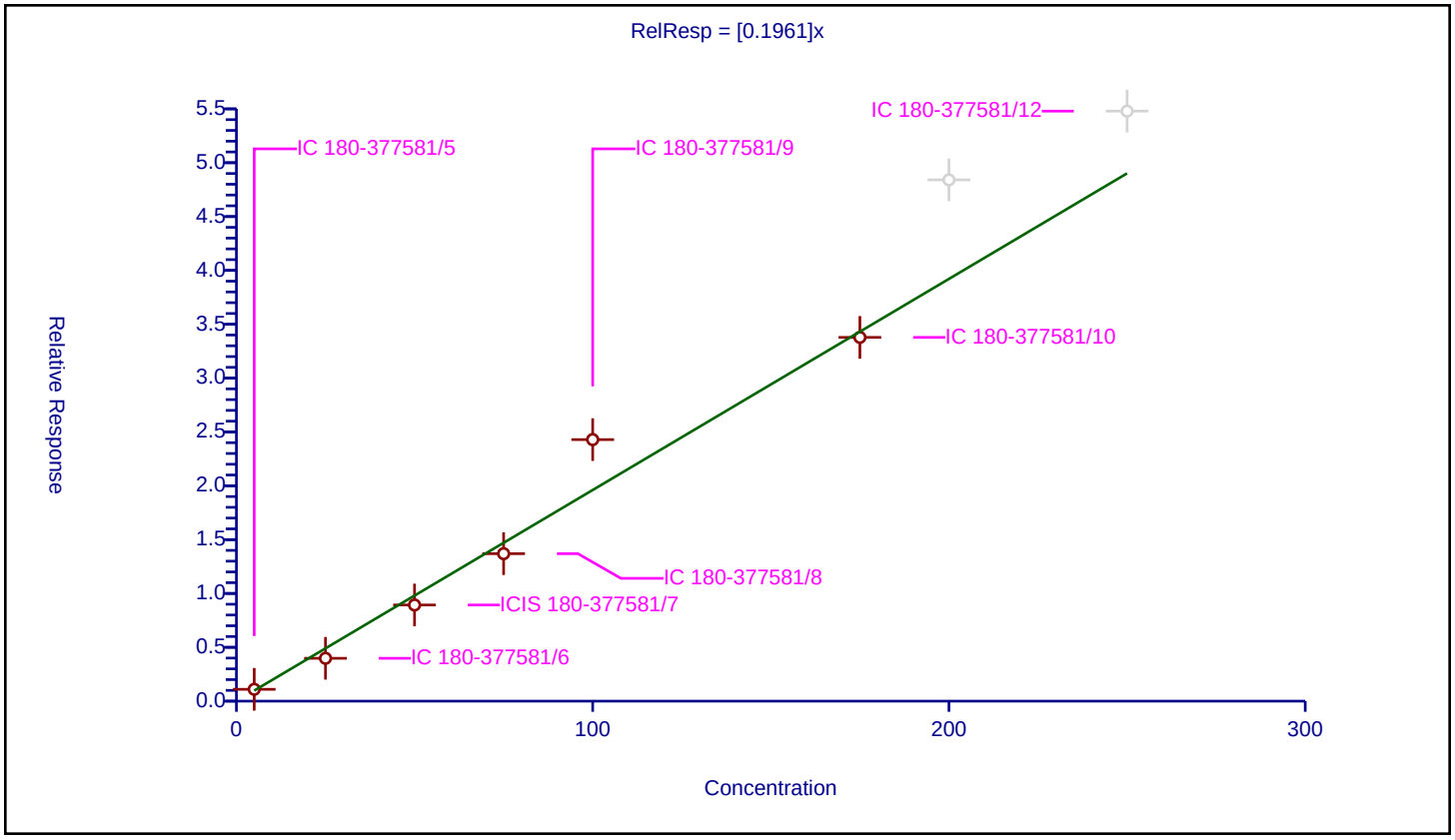
Curve Coefficients

Intercept:	0
Slope:	0.1961

Error Coefficients

Standard Error:	169000
Relative Standard Error:	15.5
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.100432	50.0	385167.0	0.220086	Y
2	IC 180-377581/6	25.0	3.978781	50.0	416522.0	0.159151	Y
3	ICIS 180-377581/7	50.0	8.929717	50.0	433390.0	0.178594	Y
4	IC 180-377581/8	75.0	13.69321	50.0	425711.0	0.182576	Y
5	IC 180-377581/9	100.0	24.286611	50.0	398310.0	0.242866	Y
6	IC 180-377581/10	175.0	33.780685	50.0	430906.0	0.193032	Y
7	IC 180-377581/11	200.0	48.406954	50.0	448198.0	0.242035	N
8	IC 180-377581/12	250.0	54.791631	50.0	488988.0	0.219167	N



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

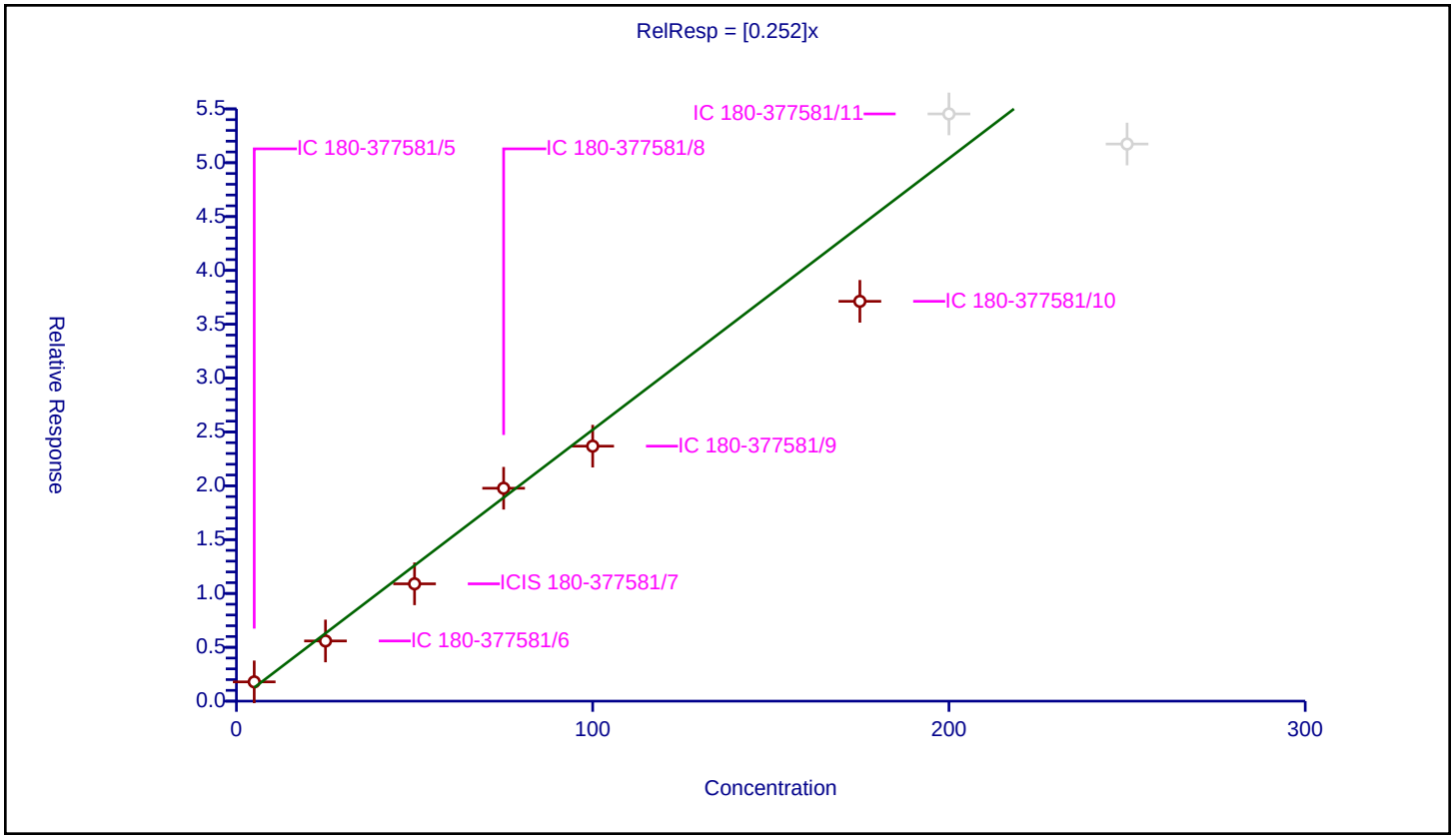
Curve Coefficients

Intercept:	0
Slope:	0.252

Error Coefficients

Standard Error:	188000
Relative Standard Error:	21.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.923

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.790003	50.0	385167.0	0.358001	Y
2	IC 180-377581/6	25.0	5.58854	50.0	416522.0	0.223542	Y
3	ICIS 180-377581/7	50.0	10.895268	50.0	433390.0	0.217905	Y
4	IC 180-377581/8	75.0	19.770102	50.0	425711.0	0.263601	Y
5	IC 180-377581/9	100.0	23.679546	50.0	398310.0	0.236795	Y
6	IC 180-377581/10	175.0	37.128631	50.0	430906.0	0.212164	Y
7	IC 180-377581/11	200.0	54.531368	50.0	448198.0	0.272657	N
8	IC 180-377581/12	250.0	51.736955	50.0	488988.0	0.206948	N



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

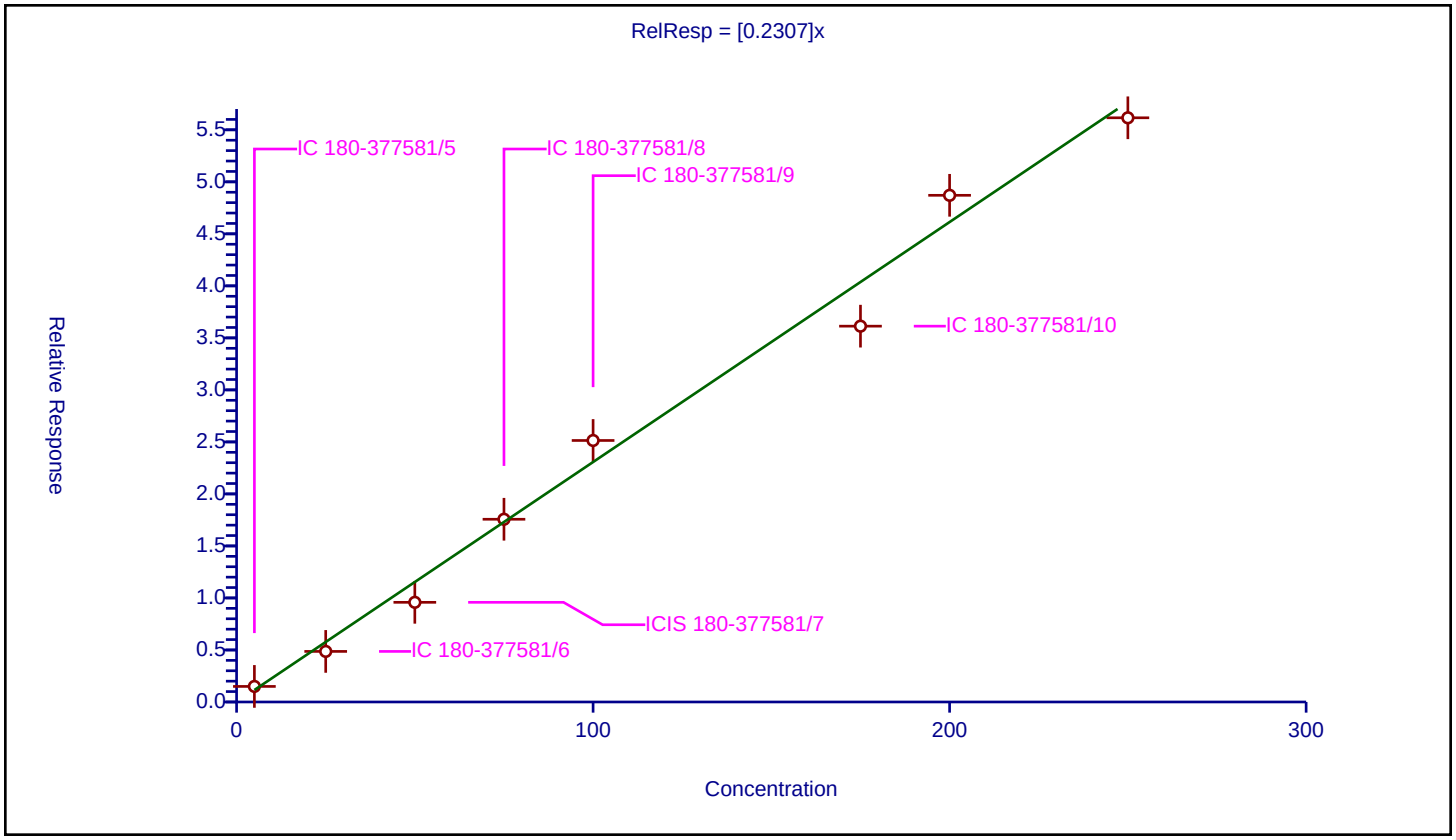
Curve Coefficients

Intercept:	0
Slope:	0.2307

Error Coefficients

Standard Error:	307000
Relative Standard Error:	15.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.495974	50.0	385167.0	0.299195	Y
2	IC 180-377581/6	25.0	4.861328	50.0	416522.0	0.194453	Y
3	ICIS 180-377581/7	50.0	9.579247	50.0	433390.0	0.191585	Y
4	IC 180-377581/8	75.0	17.56485	50.0	425711.0	0.234198	Y
5	IC 180-377581/9	100.0	25.137079	50.0	398310.0	0.251371	Y
6	IC 180-377581/10	175.0	36.126905	50.0	430906.0	0.206439	Y
7	IC 180-377581/11	200.0	48.70459	50.0	448198.0	0.243523	Y
8	IC 180-377581/12	250.0	56.155366	50.0	488988.0	0.224621	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

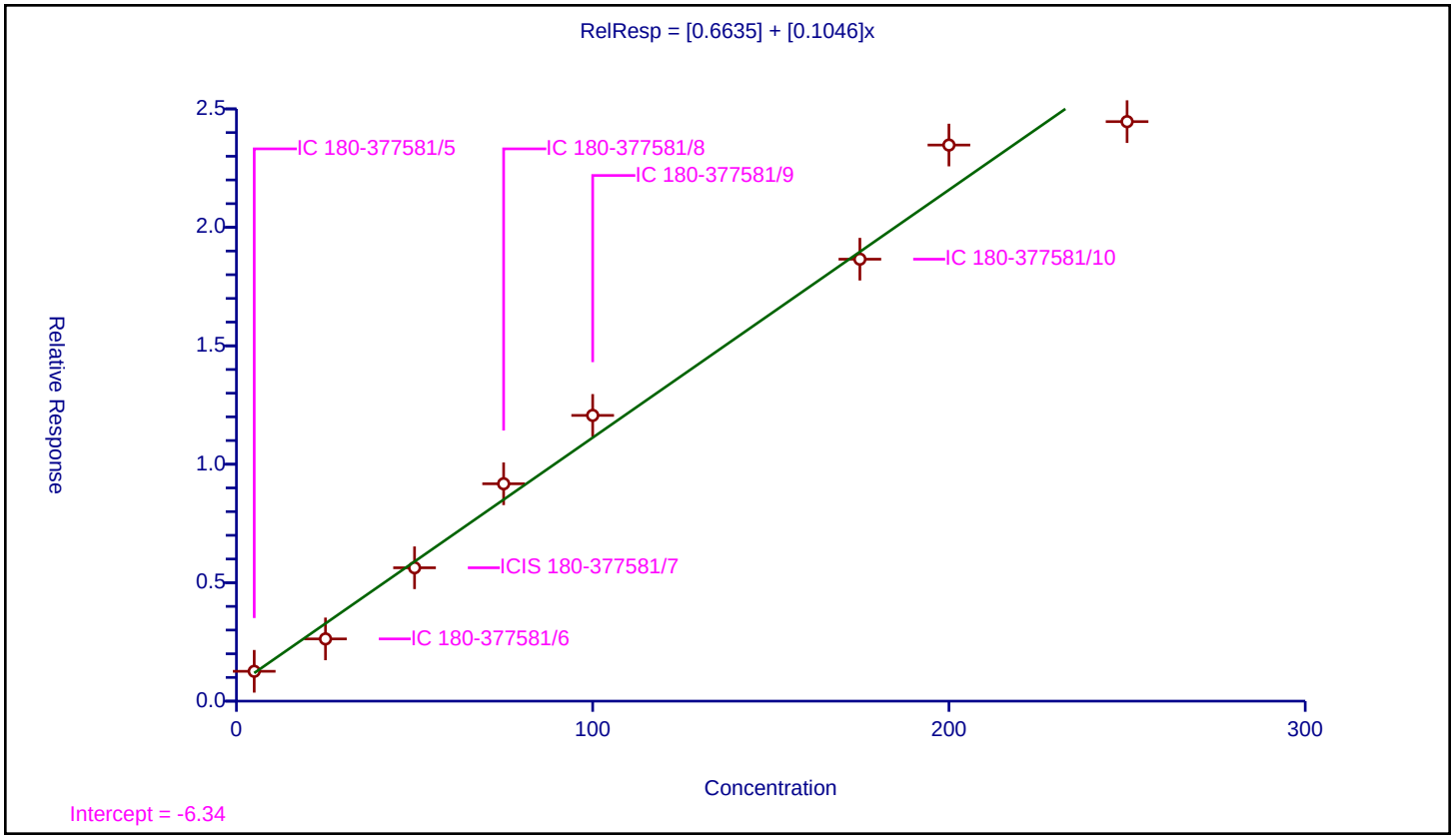
Curve Coefficients

Intercept:	0.6635
Slope:	0.1046

Error Coefficients

Standard Error:	156000
Relative Standard Error:	13.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.259973	50.0	385167.0	0.251995	Y
2	IC 180-377581/6	25.0	2.627112	50.0	416522.0	0.105084	Y
3	ICIS 180-377581/7	50.0	5.629918	50.0	433390.0	0.112598	Y
4	IC 180-377581/8	75.0	9.176178	50.0	425711.0	0.122349	Y
5	IC 180-377581/9	100.0	12.061836	50.0	398310.0	0.120618	Y
6	IC 180-377581/10	175.0	18.655809	50.0	430906.0	0.106605	Y
7	IC 180-377581/11	200.0	23.474112	50.0	448198.0	0.117371	Y
8	IC 180-377581/12	250.0	24.462461	50.0	488988.0	0.09785	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

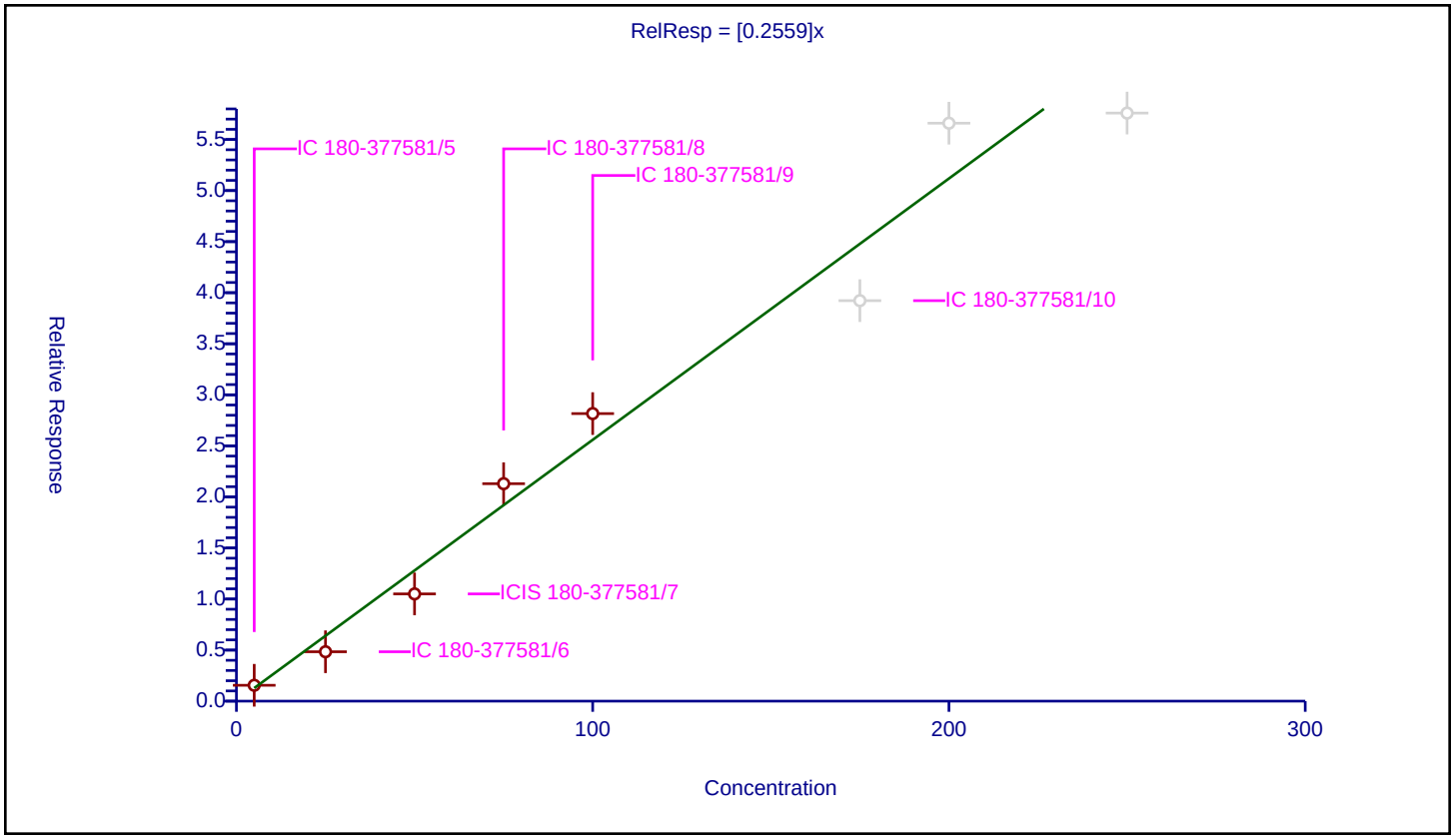
Curve Coefficients

Intercept:	0
Slope:	0.2559

Error Coefficients

Standard Error:	153000
Relative Standard Error:	20.0
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.552314	50.0	385167.0	0.310463	Y
2	IC 180-377581/6	25.0	4.835879	50.0	416522.0	0.193435	Y
3	ICIS 180-377581/7	50.0	10.502896	50.0	433390.0	0.210058	Y
4	IC 180-377581/8	75.0	21.29508	50.0	425711.0	0.283934	Y
5	IC 180-377581/9	100.0	28.161231	50.0	398310.0	0.281612	Y
6	IC 180-377581/10	175.0	39.219226	50.0	430906.0	0.22411	N
7	IC 180-377581/11	200.0	56.598311	50.0	448198.0	0.282992	N
8	IC 180-377581/12	250.0	57.589246	50.0	488988.0	0.230357	N



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

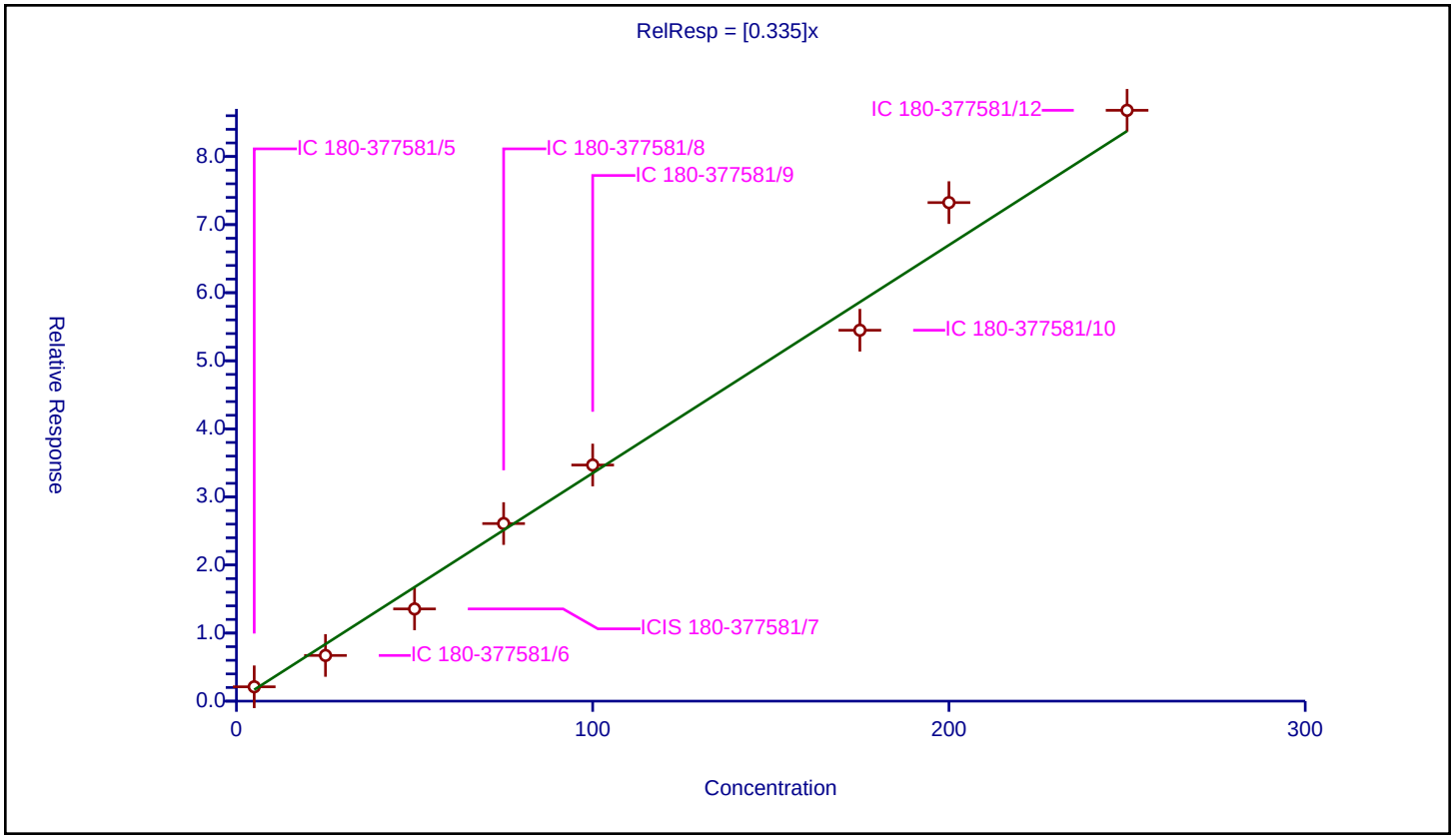
Curve Coefficients

Intercept:	0
Slope:	0.335

Error Coefficients

Standard Error:	465000
Relative Standard Error:	15.1
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.10558	50.0	385167.0	0.421116	Y
2	IC 180-377581/6	25.0	6.71081	50.0	416522.0	0.268432	Y
3	ICIS 180-377581/7	50.0	13.545767	50.0	433390.0	0.270915	Y
4	IC 180-377581/8	75.0	26.087416	50.0	425711.0	0.347832	Y
5	IC 180-377581/9	100.0	34.687304	50.0	398310.0	0.346873	Y
6	IC 180-377581/10	175.0	54.487986	50.0	430906.0	0.31136	Y
7	IC 180-377581/11	200.0	73.236271	50.0	448198.0	0.366181	Y
8	IC 180-377581/12	250.0	86.791394	50.0	488988.0	0.347166	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

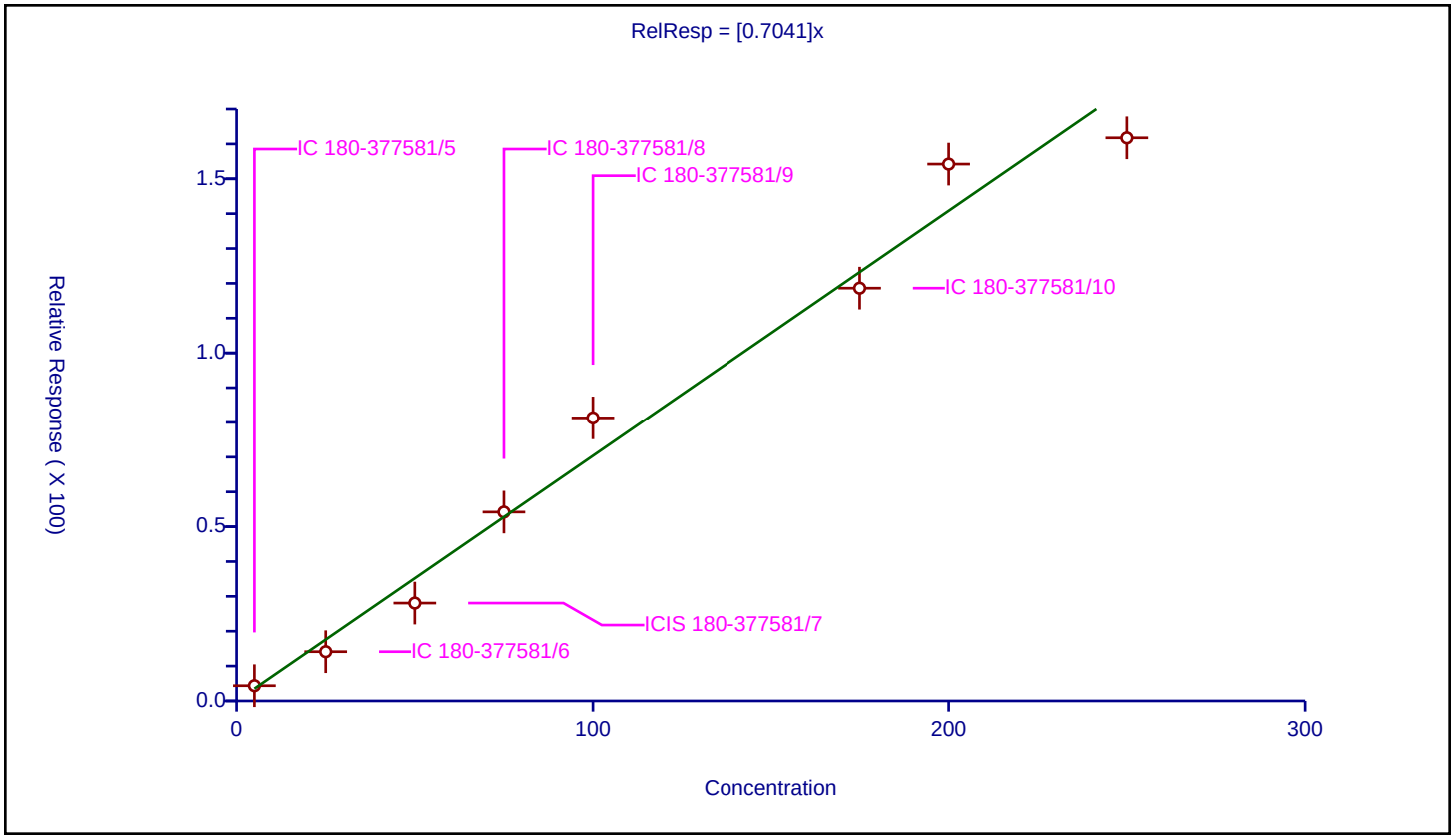
Curve Coefficients

Intercept:	0
Slope:	0.7041

Error Coefficients

Standard Error:	938000
Relative Standard Error:	16.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.370702	50.0	385167.0	0.87414	Y
2	IC 180-377581/6	25.0	14.120983	50.0	416522.0	0.564839	Y
3	ICIS 180-377581/7	50.0	28.074483	50.0	433390.0	0.56149	Y
4	IC 180-377581/8	75.0	54.225754	50.0	425711.0	0.72301	Y
5	IC 180-377581/9	100.0	81.305767	50.0	398310.0	0.813058	Y
6	IC 180-377581/10	175.0	118.622507	50.0	430906.0	0.677843	Y
7	IC 180-377581/11	200.0	154.218225	50.0	448198.0	0.771091	Y
8	IC 180-377581/12	250.0	161.754685	50.0	488988.0	0.647019	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

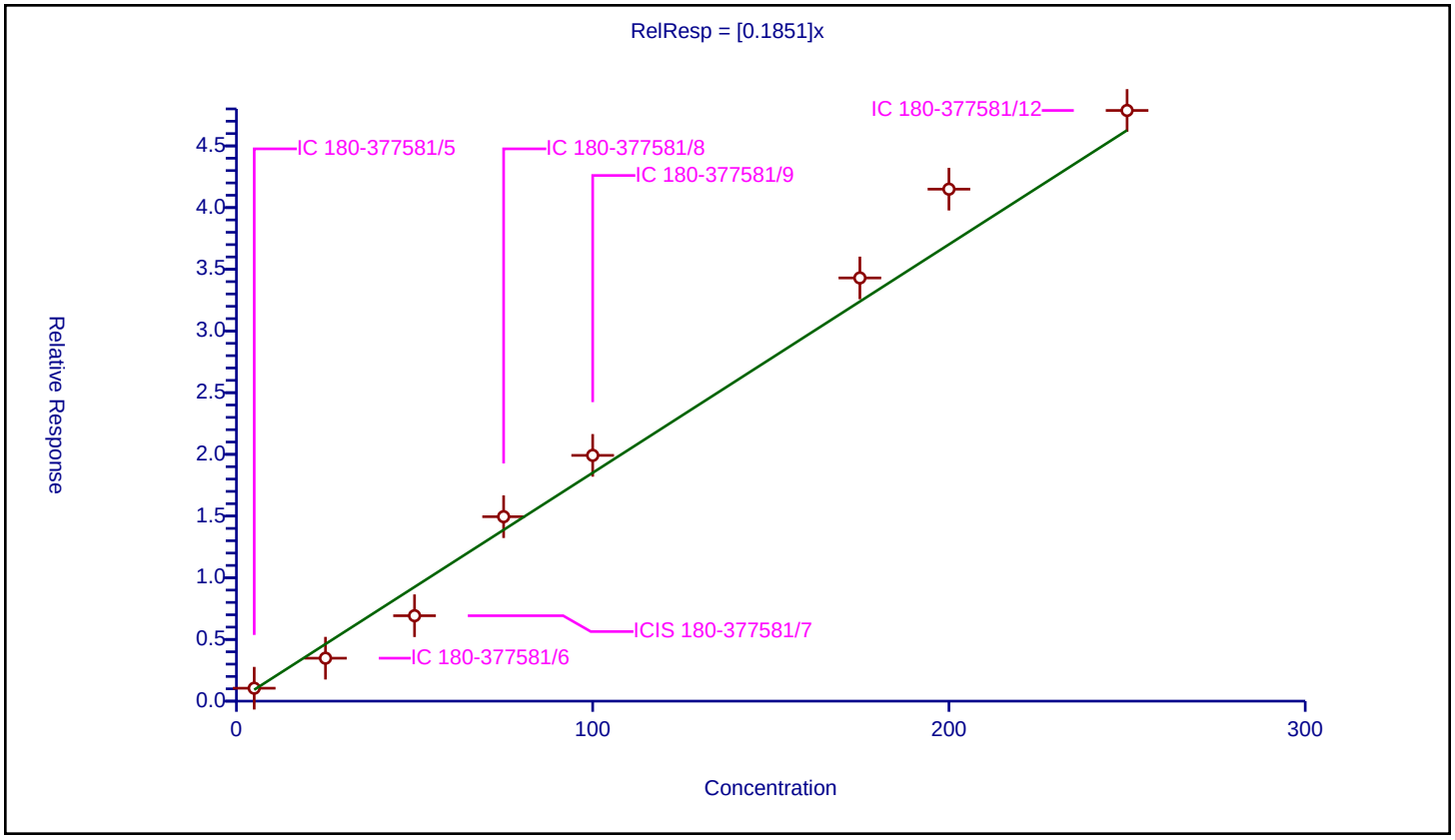
Curve Coefficients

Intercept:	0
Slope:	0.1851

Error Coefficients

Standard Error:	265000
Relative Standard Error:	15.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.047468	50.0	385167.0	0.209494	Y
2	IC 180-377581/6	25.0	3.479768	50.0	416522.0	0.139191	Y
3	ICIS 180-377581/7	50.0	6.92321	50.0	433390.0	0.138464	Y
4	IC 180-377581/8	75.0	14.948991	50.0	425711.0	0.19932	Y
5	IC 180-377581/9	100.0	19.918029	50.0	398310.0	0.19918	Y
6	IC 180-377581/10	175.0	34.300172	50.0	430906.0	0.196001	Y
7	IC 180-377581/11	200.0	41.49405	50.0	448198.0	0.20747	Y
8	IC 180-377581/12	250.0	47.872443	50.0	488988.0	0.19149	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

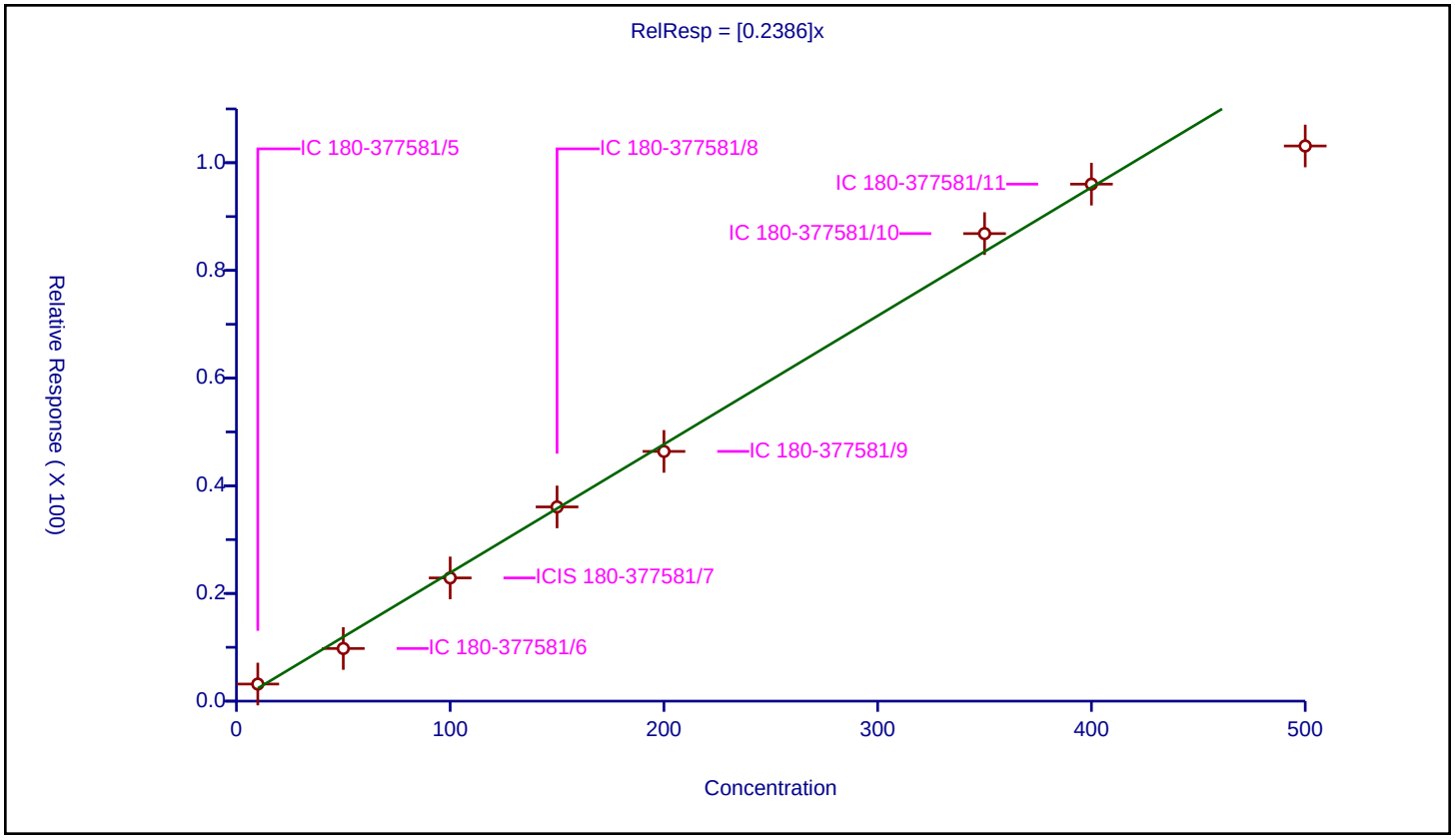
Curve Coefficients

Intercept:	0
Slope:	0.2386

Error Coefficients

Standard Error:	609000
Relative Standard Error:	15.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	10.0	3.171222	50.0	385167.0	0.317122	Y
2	IC 180-377581/6	50.0	9.778355	50.0	416522.0	0.195567	Y
3	ICIS 180-377581/7	100.0	22.888853	50.0	433390.0	0.228889	Y
4	IC 180-377581/8	150.0	36.074943	50.0	425711.0	0.2405	Y
5	IC 180-377581/9	200.0	46.385604	50.0	398310.0	0.231928	Y
6	IC 180-377581/10	350.0	86.84133	50.0	430906.0	0.248118	Y
7	IC 180-377581/11	400.0	96.024525	50.0	448198.0	0.240061	Y
8	IC 180-377581/12	500.0	103.115823	50.0	488988.0	0.206232	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

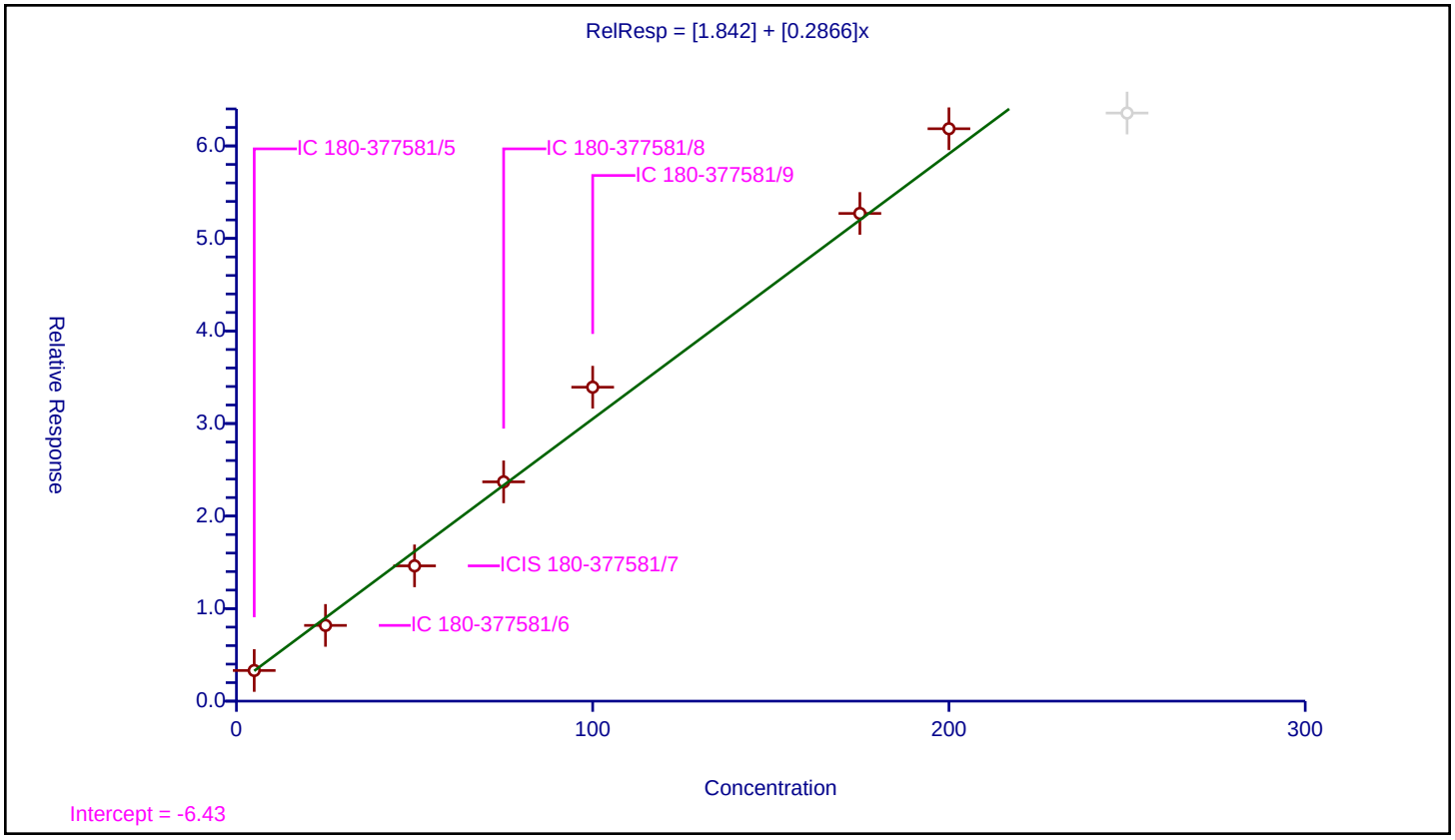
Curve Coefficients

Intercept:	1.842
Slope:	0.2866

Error Coefficients

Standard Error:	360000
Relative Standard Error:	9.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.310382	50.0	385167.0	0.662076	Y
2	IC 180-377581/6	25.0	8.183001	50.0	416522.0	0.32732	Y
3	ICIS 180-377581/7	50.0	14.618127	50.0	433390.0	0.292363	Y
4	IC 180-377581/8	75.0	23.696357	50.0	425711.0	0.315951	Y
5	IC 180-377581/9	100.0	33.927594	50.0	398310.0	0.339276	Y
6	IC 180-377581/10	175.0	52.703258	50.0	430906.0	0.301161	Y
7	IC 180-377581/11	200.0	61.855586	50.0	448198.0	0.309278	Y
8	IC 180-377581/12	250.0	63.550639	50.0	488988.0	0.254203	N



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

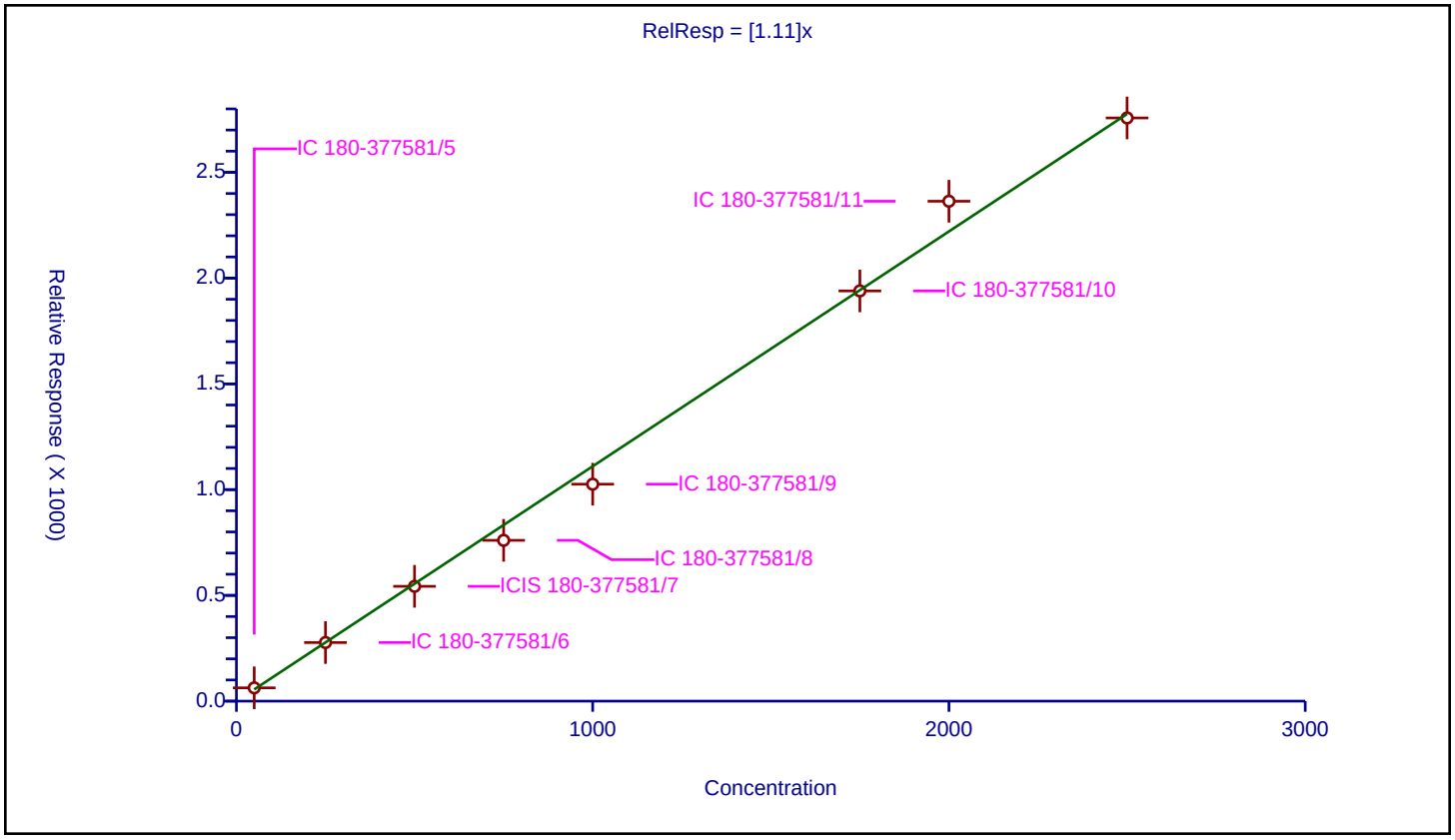
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Standard Error:	289000
Relative Standard Error:	7.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	50.0	62.837115	1000.0	183172.0	1.256742	Y
2	IC 180-377581/6	250.0	277.037545	1000.0	151604.0	1.10815	Y
3	ICIS 180-377581/7	500.0	542.788989	1000.0	172299.0	1.085578	Y
4	IC 180-377581/8	750.0	760.173786	1000.0	190809.0	1.013565	Y
5	IC 180-377581/9	1000.0	1025.621593	1000.0	171535.0	1.025622	Y
6	IC 180-377581/10	1750.0	1939.480425	1000.0	181148.0	1.108275	Y
7	IC 180-377581/11	2000.0	2363.418776	1000.0	172553.0	1.181709	Y
8	IC 180-377581/12	2500.0	2757.166568	1000.0	177735.0	1.102867	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

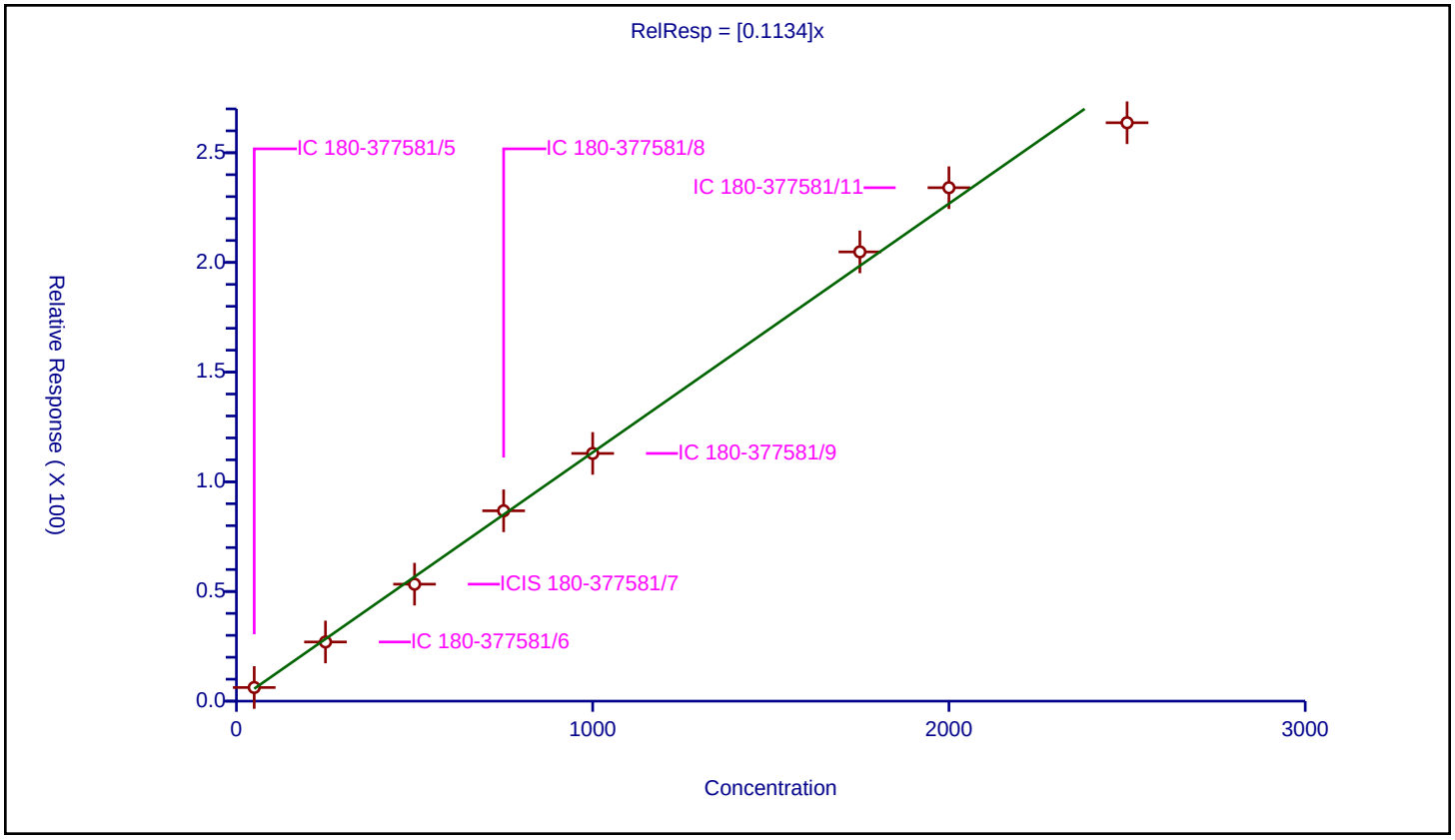
Curve Coefficients

Intercept:	0
Slope:	0.1134

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	5.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	50.0	6.223794	50.0	385167.0	0.124476	Y
2	IC 180-377581/6	250.0	26.979727	50.0	416522.0	0.107919	Y
3	ICIS 180-377581/7	500.0	53.325065	50.0	433390.0	0.10665	Y
4	IC 180-377581/8	750.0	86.773187	50.0	425711.0	0.115698	Y
5	IC 180-377581/9	1000.0	112.927619	50.0	398310.0	0.112928	Y
6	IC 180-377581/10	1750.0	204.810562	50.0	430906.0	0.117035	Y
7	IC 180-377581/11	2000.0	234.065971	50.0	448198.0	0.117033	Y
8	IC 180-377581/12	2500.0	263.685203	50.0	488988.0	0.105474	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

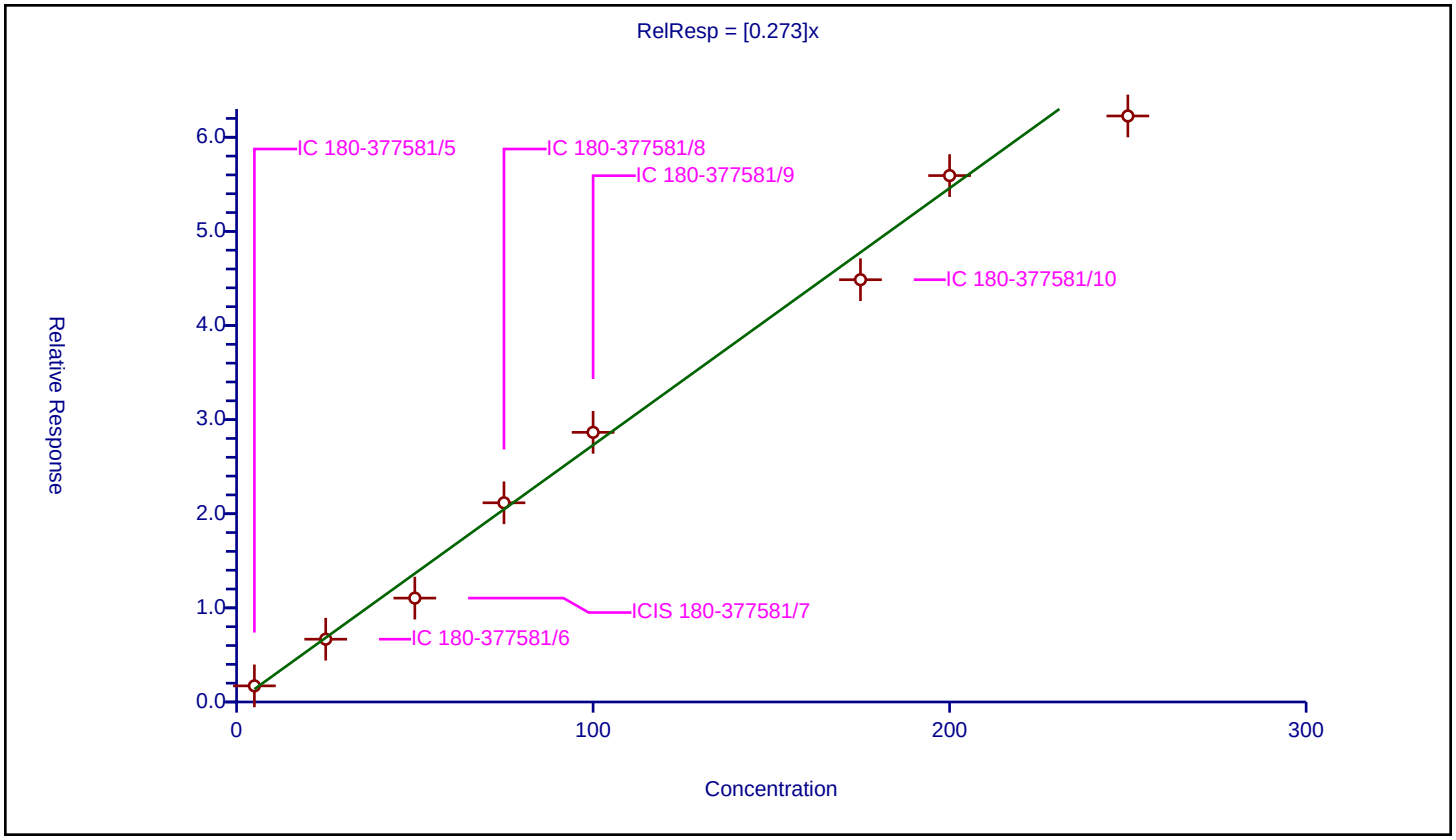
Curve Coefficients

Intercept:	0
Slope:	0.273

Error Coefficients

Standard Error:	352000
Relative Standard Error:	13.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.712114	50.0	385167.0	0.342423	Y
2	IC 180-377581/6	25.0	6.671316	50.0	416522.0	0.266853	Y
3	ICIS 180-377581/7	50.0	11.036018	50.0	433390.0	0.22072	Y
4	IC 180-377581/8	75.0	21.161657	50.0	425711.0	0.282155	Y
5	IC 180-377581/9	100.0	28.646281	50.0	398310.0	0.286463	Y
6	IC 180-377581/10	175.0	44.865586	50.0	430906.0	0.256375	Y
7	IC 180-377581/11	200.0	55.927291	50.0	448198.0	0.279636	Y
8	IC 180-377581/12	250.0	62.261242	50.0	488988.0	0.249045	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

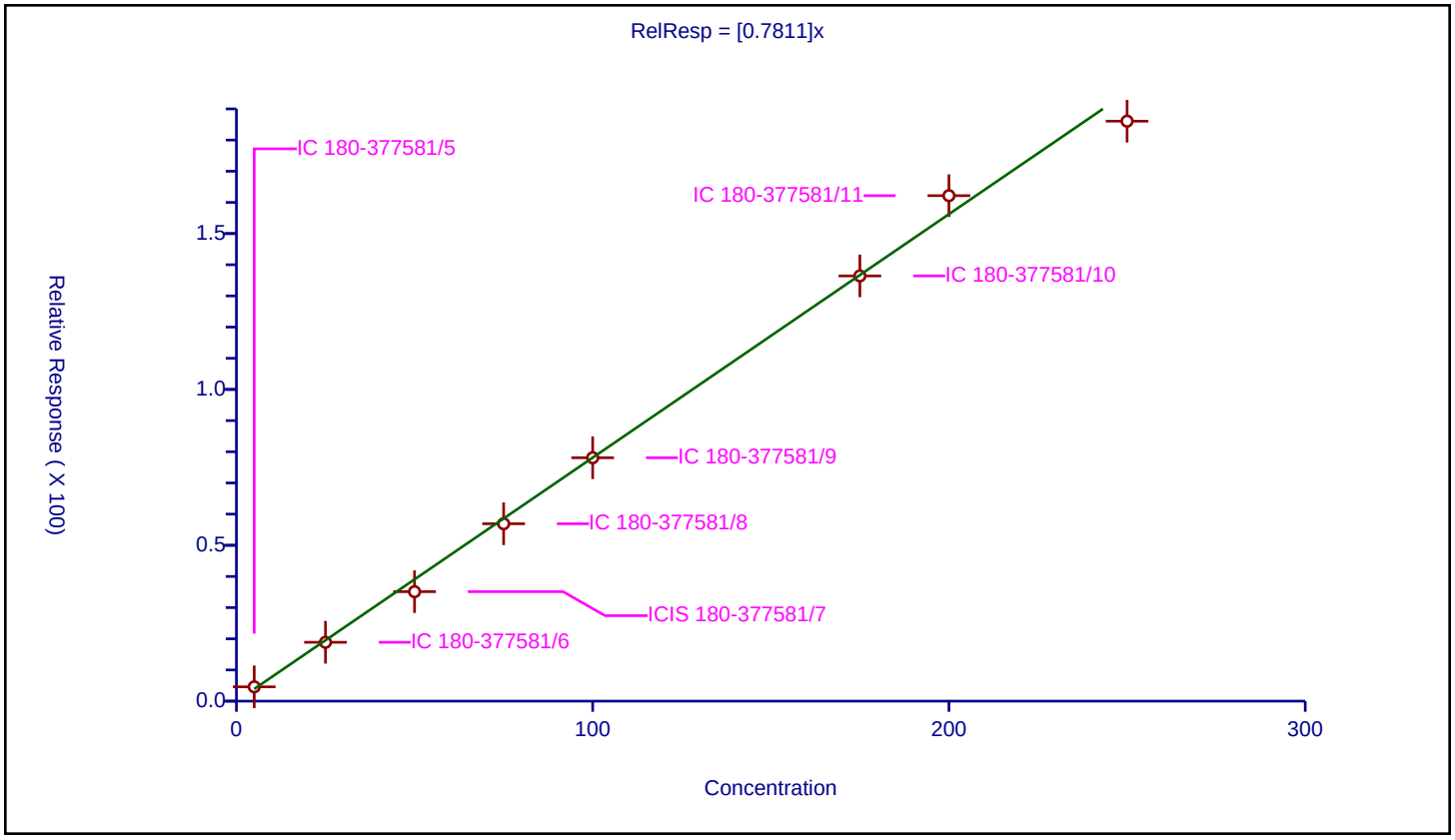
Curve Coefficients

Intercept:	0
Slope:	0.7811

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	8.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.587491	50.0	385167.0	0.917498	Y
2	IC 180-377581/6	25.0	18.874873	50.0	416522.0	0.754995	Y
3	ICIS 180-377581/7	50.0	35.118715	50.0	433390.0	0.702374	Y
4	IC 180-377581/8	75.0	56.913258	50.0	425711.0	0.758843	Y
5	IC 180-377581/9	100.0	78.080264	50.0	398310.0	0.780803	Y
6	IC 180-377581/10	175.0	136.421052	50.0	430906.0	0.779549	Y
7	IC 180-377581/11	200.0	162.160027	50.0	448198.0	0.8108	Y
8	IC 180-377581/12	250.0	186.064893	50.0	488988.0	0.74426	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

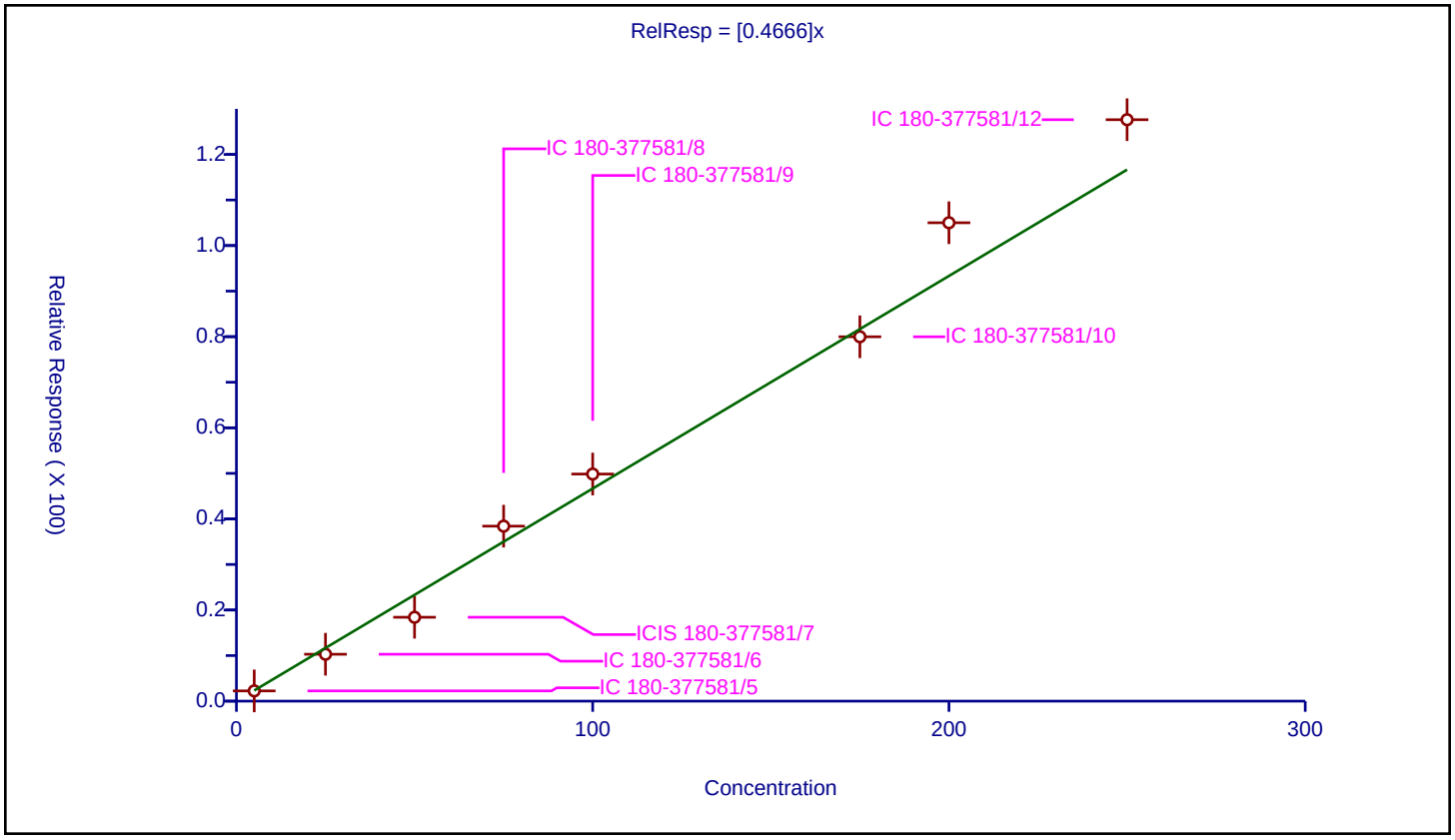
Curve Coefficients

Intercept:	0
Slope:	0.4666

Error Coefficients

Standard Error:	678000
Relative Standard Error:	11.9
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.249803	50.0	385167.0	0.449961	Y
2	IC 180-377581/6	25.0	10.294654	50.0	416522.0	0.411786	Y
3	ICIS 180-377581/7	50.0	18.410093	50.0	433390.0	0.368202	Y
4	IC 180-377581/8	75.0	38.410565	50.0	425711.0	0.512141	Y
5	IC 180-377581/9	100.0	49.849364	50.0	398310.0	0.498494	Y
6	IC 180-377581/10	175.0	79.97742	50.0	430906.0	0.457014	Y
7	IC 180-377581/11	200.0	105.005712	50.0	448198.0	0.525029	Y
8	IC 180-377581/12	250.0	127.62348	50.0	488988.0	0.510494	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

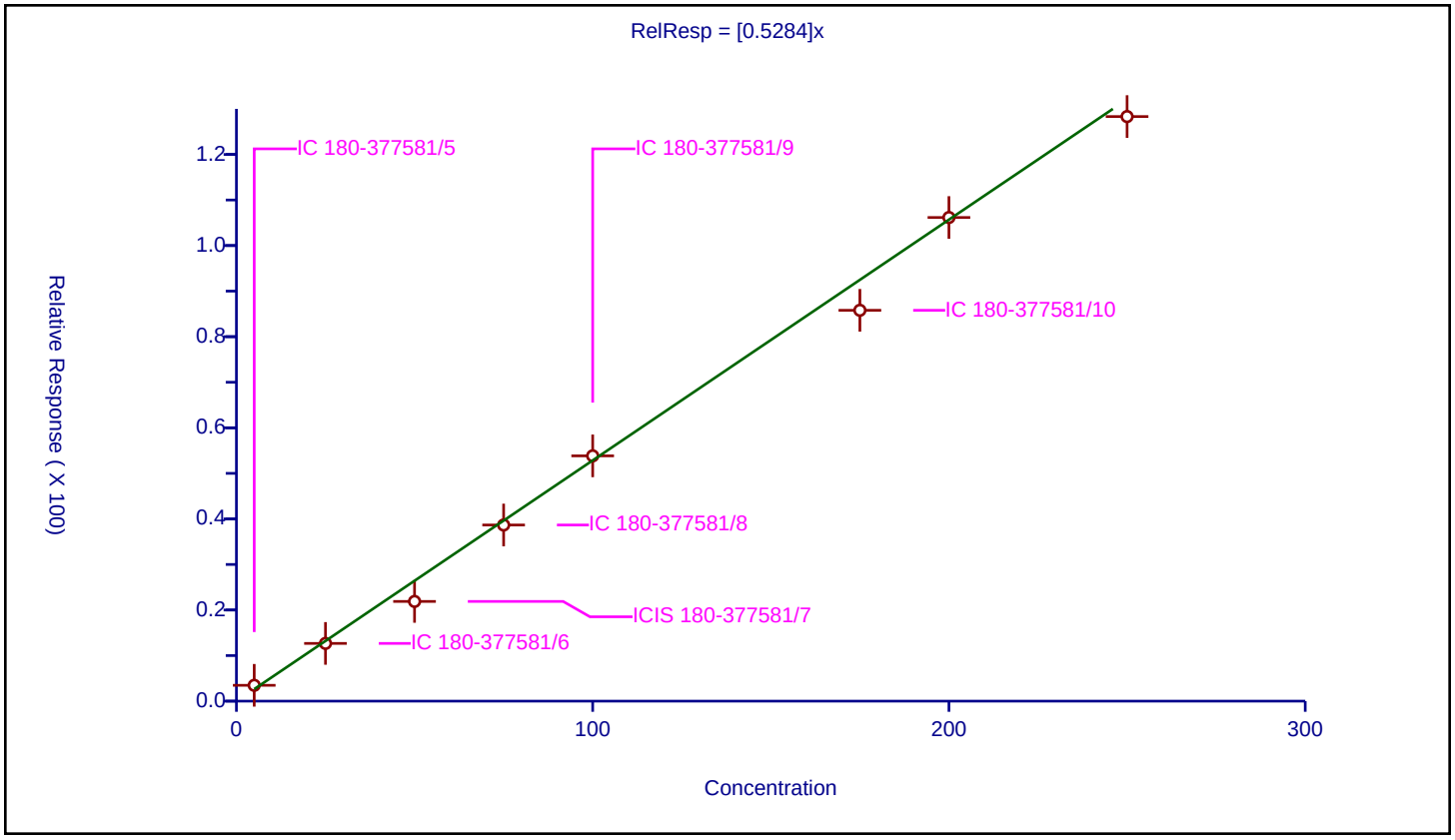
Curve Coefficients

Intercept:	0
Slope:	0.5284

Error Coefficients

Standard Error:	693000
Relative Standard Error:	14.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.473039	50.0	385167.0	0.694608	Y
2	IC 180-377581/6	25.0	12.669679	50.0	416522.0	0.506787	Y
3	ICIS 180-377581/7	50.0	21.887676	50.0	433390.0	0.437754	Y
4	IC 180-377581/8	75.0	38.662849	50.0	425711.0	0.515505	Y
5	IC 180-377581/9	100.0	53.841355	50.0	398310.0	0.538414	Y
6	IC 180-377581/10	175.0	85.791565	50.0	430906.0	0.490238	Y
7	IC 180-377581/11	200.0	106.156208	50.0	448198.0	0.530781	Y
8	IC 180-377581/12	250.0	128.318077	50.0	488988.0	0.513272	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

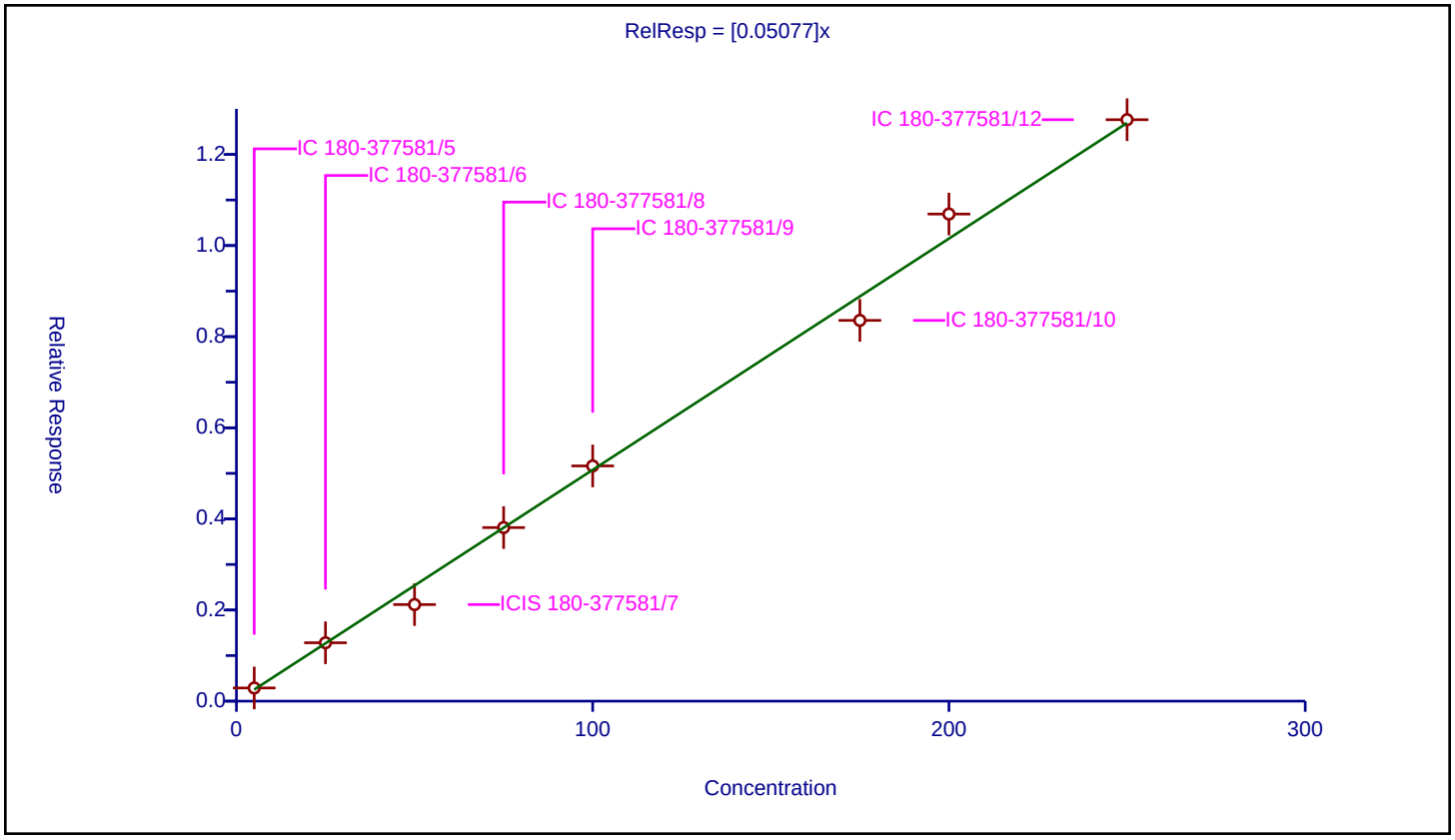
Curve Coefficients

Intercept:	0
Slope:	0.05077

Error Coefficients

Standard Error:	68800
Relative Standard Error:	8.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	0.288836	50.0	385167.0	0.057767	Y
2	IC 180-377581/6	25.0	1.281445	50.0	416522.0	0.051258	Y
3	ICIS 180-377581/7	50.0	2.12003	50.0	433390.0	0.042401	Y
4	IC 180-377581/8	75.0	3.809979	50.0	425711.0	0.0508	Y
5	IC 180-377581/9	100.0	5.163064	50.0	398310.0	0.051631	Y
6	IC 180-377581/10	175.0	8.357507	50.0	430906.0	0.047757	Y
7	IC 180-377581/11	200.0	10.692038	50.0	448198.0	0.05346	Y
8	IC 180-377581/12	250.0	12.762583	50.0	488988.0	0.05105	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

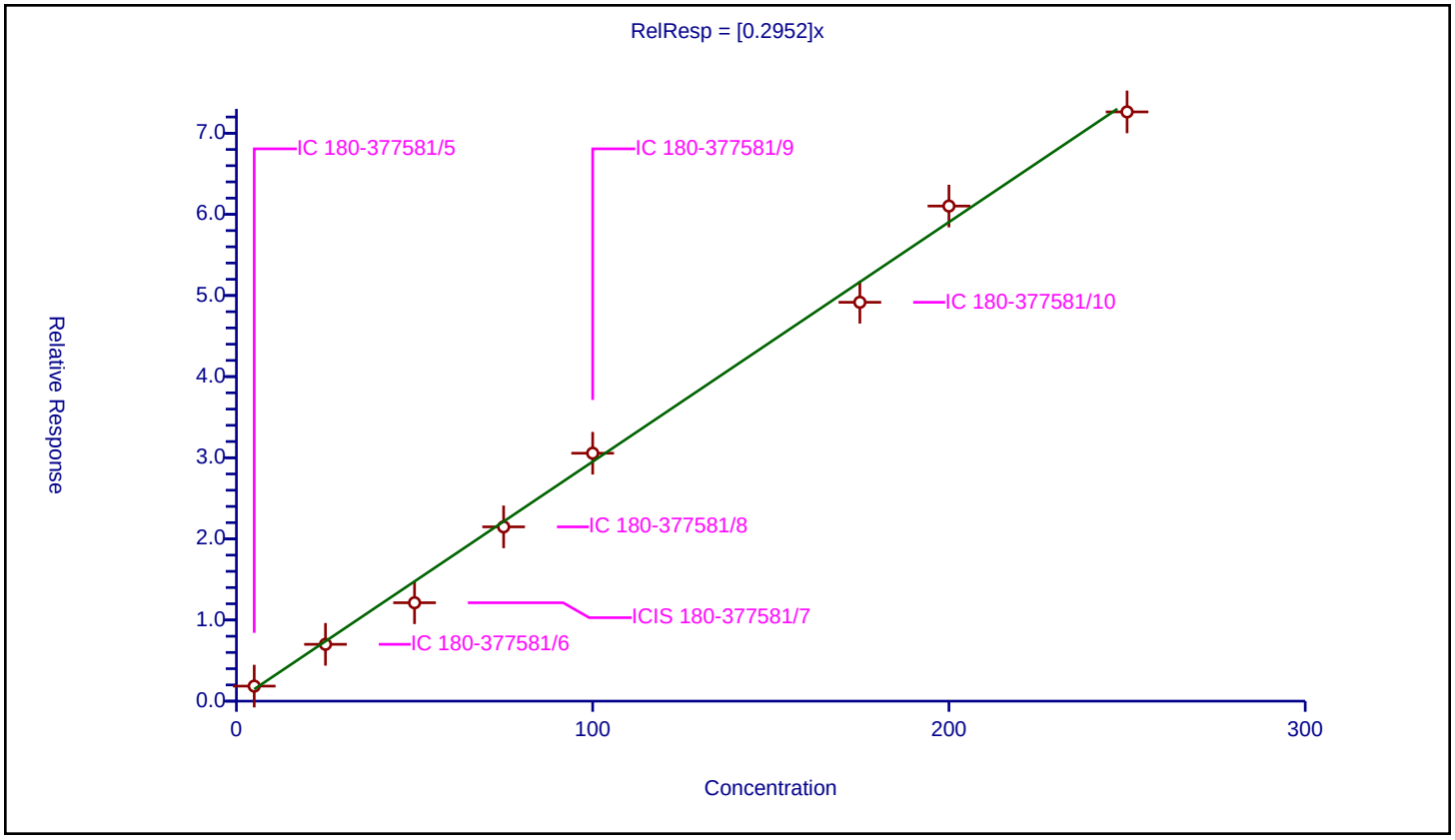
Curve Coefficients

Intercept:	0
Slope:	0.2952

Error Coefficients

Standard Error:	395000
Relative Standard Error:	12.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.852833	50.0	385167.0	0.370567	Y
2	IC 180-377581/6	25.0	7.003832	50.0	416522.0	0.280153	Y
3	ICIS 180-377581/7	50.0	12.127529	50.0	433390.0	0.242551	Y
4	IC 180-377581/8	75.0	21.481475	50.0	425711.0	0.28642	Y
5	IC 180-377581/9	100.0	30.559112	50.0	398310.0	0.305591	Y
6	IC 180-377581/10	175.0	49.16223	50.0	430906.0	0.280927	Y
7	IC 180-377581/11	200.0	61.02303	50.0	448198.0	0.305115	Y
8	IC 180-377581/12	250.0	72.628981	50.0	488988.0	0.290516	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

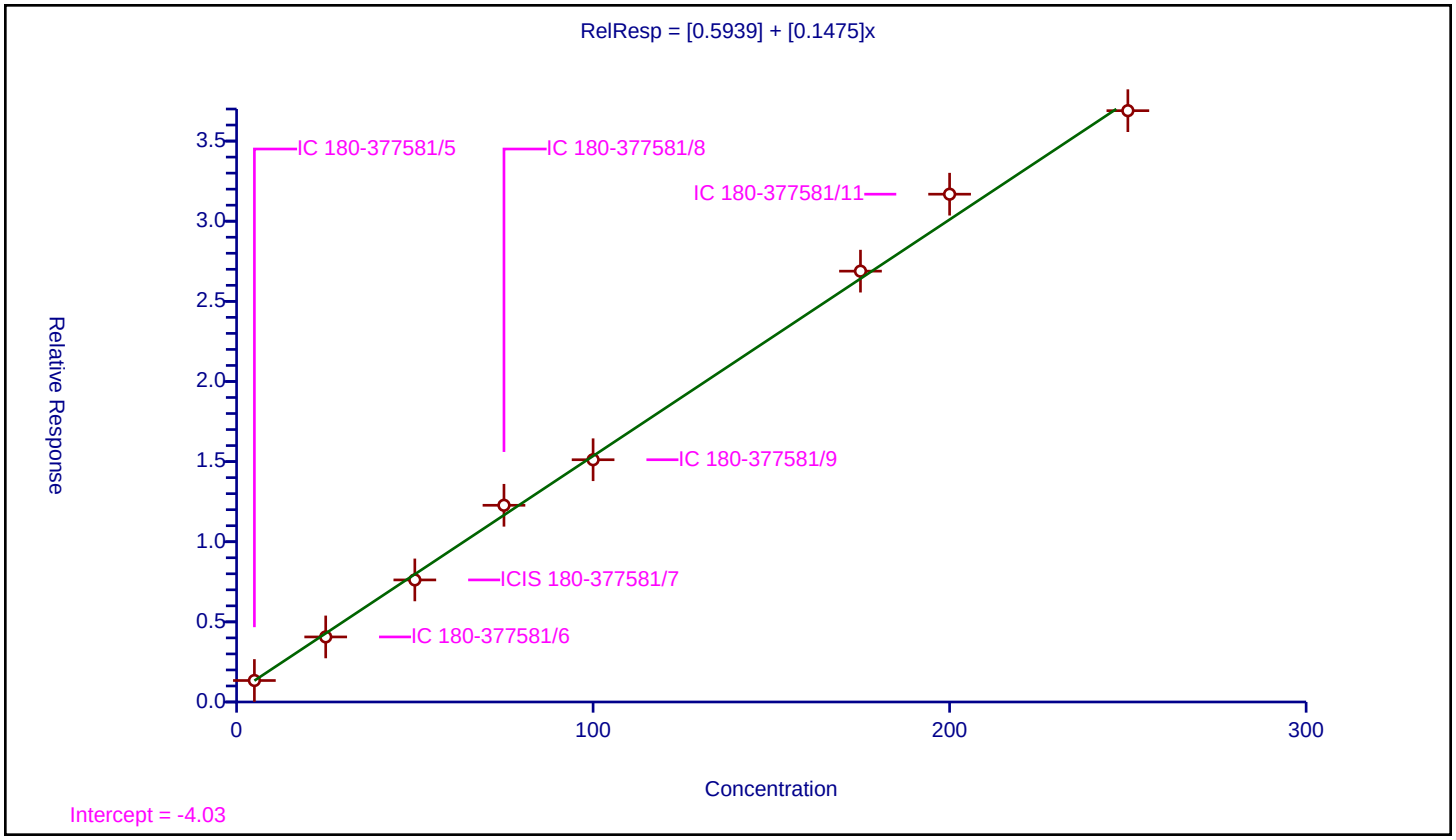
Curve Coefficients

Intercept:	0.5939
Slope:	0.1475

Error Coefficients

Standard Error:	222000
Relative Standard Error:	4.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.340717	50.0	385167.0	0.268143	Y
2	IC 180-377581/6	25.0	4.05981	50.0	416522.0	0.162392	Y
3	ICIS 180-377581/7	50.0	7.617158	50.0	433390.0	0.152343	Y
4	IC 180-377581/8	75.0	12.274289	50.0	425711.0	0.163657	Y
5	IC 180-377581/9	100.0	15.115739	50.0	398310.0	0.151157	Y
6	IC 180-377581/10	175.0	26.882545	50.0	430906.0	0.153615	Y
7	IC 180-377581/11	200.0	31.685884	50.0	448198.0	0.158429	Y
8	IC 180-377581/12	250.0	36.896611	50.0	488988.0	0.147586	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

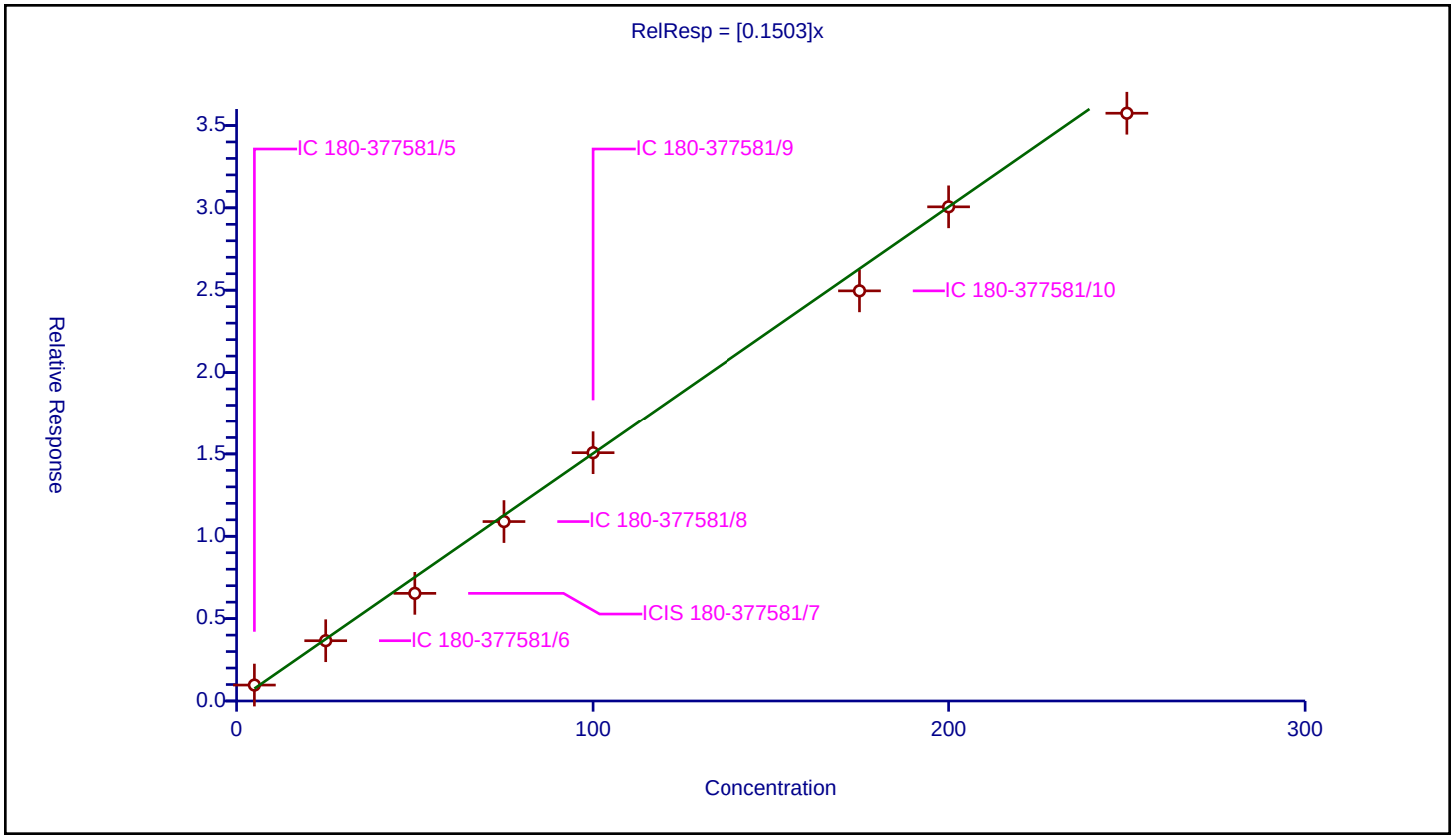
Curve Coefficients

Intercept:	0
Slope:	0.1503

Error Coefficients

Standard Error:	196000
Relative Standard Error:	12.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	0.967373	50.0	385167.0	0.193475	Y
2	IC 180-377581/6	25.0	3.659711	50.0	416522.0	0.146388	Y
3	ICIS 180-377581/7	50.0	6.534184	50.0	433390.0	0.130684	Y
4	IC 180-377581/8	75.0	10.893071	50.0	425711.0	0.145241	Y
5	IC 180-377581/9	100.0	15.07444	50.0	398310.0	0.150744	Y
6	IC 180-377581/10	175.0	24.959736	50.0	430906.0	0.142627	Y
7	IC 180-377581/11	200.0	30.061602	50.0	448198.0	0.150308	Y
8	IC 180-377581/12	250.0	35.744538	50.0	488988.0	0.142978	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

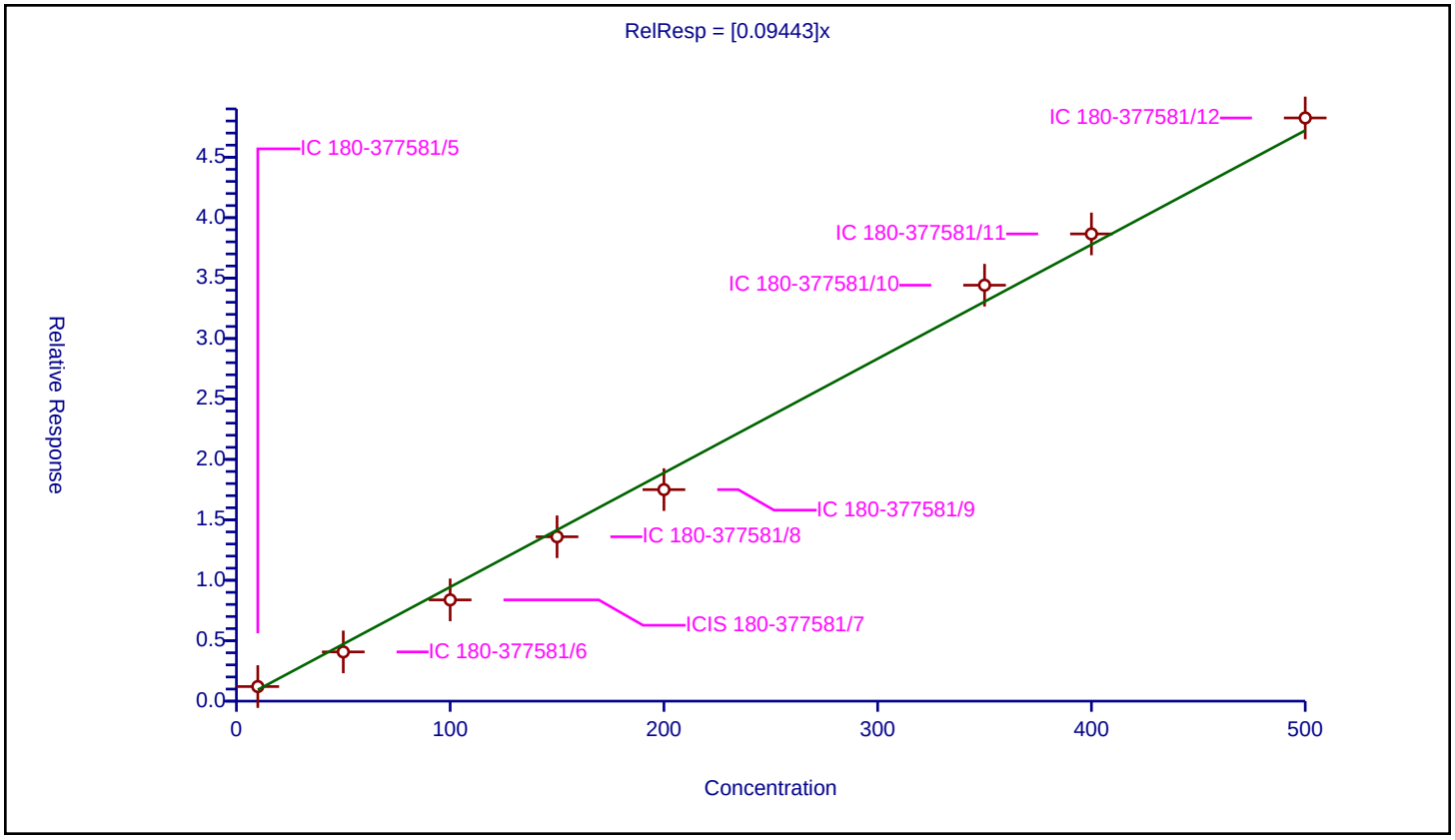
Curve Coefficients

Intercept:	0
Slope:	0.09443

Error Coefficients

Standard Error:	259000
Relative Standard Error:	13.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	10.0	1.205581	50.0	385167.0	0.120558	Y
2	IC 180-377581/6	50.0	4.073974	50.0	416522.0	0.081479	Y
3	ICIS 180-377581/7	100.0	8.377328	50.0	433390.0	0.083773	Y
4	IC 180-377581/8	150.0	13.599367	50.0	425711.0	0.090662	Y
5	IC 180-377581/9	200.0	17.500188	50.0	398310.0	0.087501	Y
6	IC 180-377581/10	350.0	34.415046	50.0	430906.0	0.098329	Y
7	IC 180-377581/11	400.0	38.655572	50.0	448198.0	0.096639	Y
8	IC 180-377581/12	500.0	48.250366	50.0	488988.0	0.096501	Y



Calibration / Chloroform

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

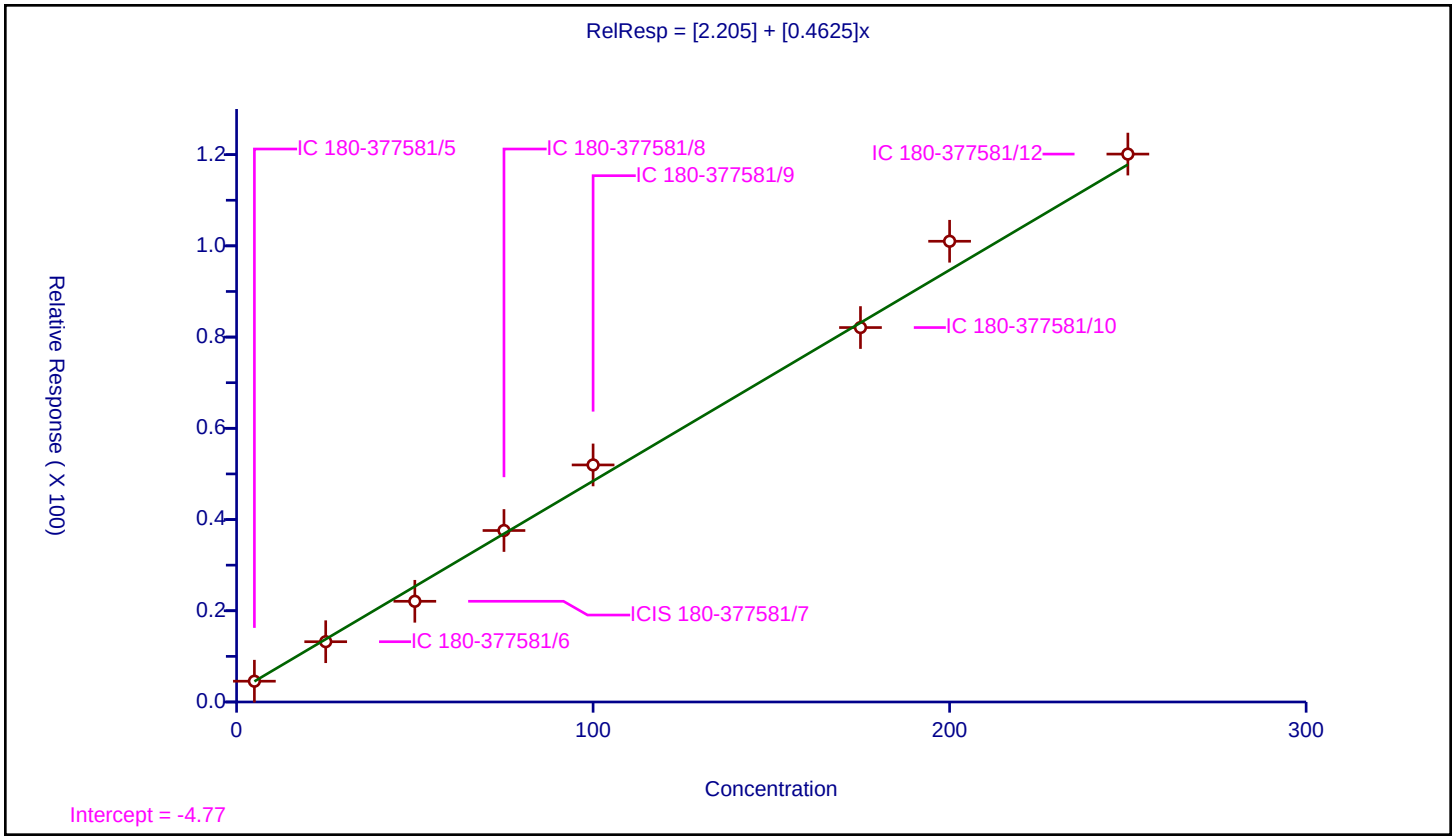
Curve Coefficients

Intercept:	2.205
Slope:	0.4625

Error Coefficients

Standard Error:	710000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.555556	50.0	385167.0	0.911111	Y
2	IC 180-377581/6	25.0	13.217789	50.0	416522.0	0.528712	Y
3	ICIS 180-377581/7	50.0	22.081036	50.0	433390.0	0.441621	Y
4	IC 180-377581/8	75.0	37.593696	50.0	425711.0	0.501249	Y
5	IC 180-377581/9	100.0	51.971078	50.0	398310.0	0.519711	Y
6	IC 180-377581/10	175.0	82.089133	50.0	430906.0	0.469081	Y
7	IC 180-377581/11	200.0	101.006029	50.0	448198.0	0.50503	Y
8	IC 180-377581/12	250.0	120.117978	50.0	488988.0	0.480472	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

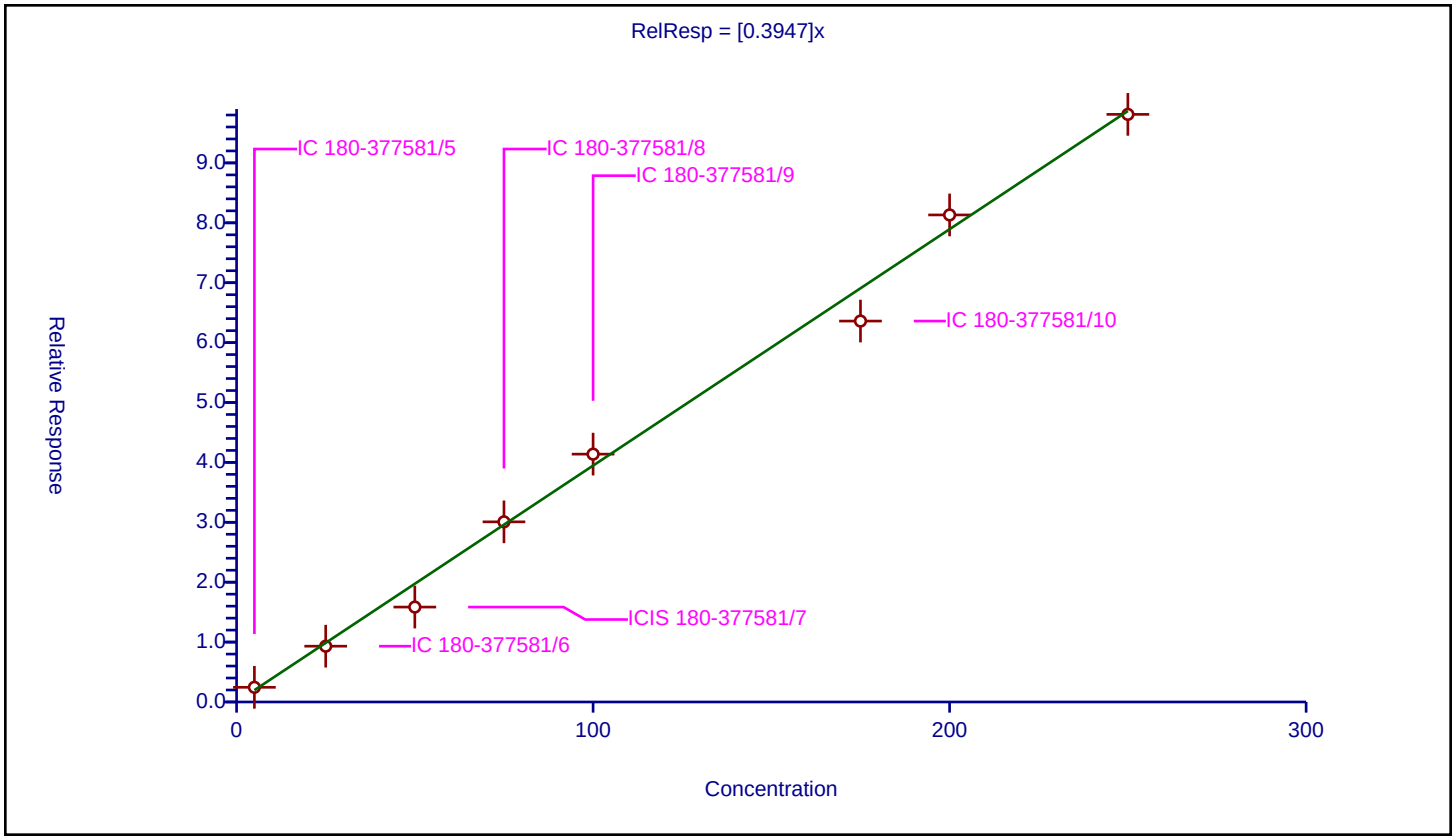
Curve Coefficients

Intercept:	0
Slope:	0.3947

Error Coefficients

Standard Error:	528000
Relative Standard Error:	12.6
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.452443	50.0	385167.0	0.490489	Y
2	IC 180-377581/6	25.0	9.315354	50.0	416522.0	0.372614	Y
3	ICIS 180-377581/7	50.0	15.847851	50.0	433390.0	0.316957	Y
4	IC 180-377581/8	75.0	30.078152	50.0	425711.0	0.401042	Y
5	IC 180-377581/9	100.0	41.379453	50.0	398310.0	0.413795	Y
6	IC 180-377581/10	175.0	63.597513	50.0	430906.0	0.363414	Y
7	IC 180-377581/11	200.0	81.317186	50.0	448198.0	0.406586	Y
8	IC 180-377581/12	250.0	98.106191	50.0	488988.0	0.392425	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

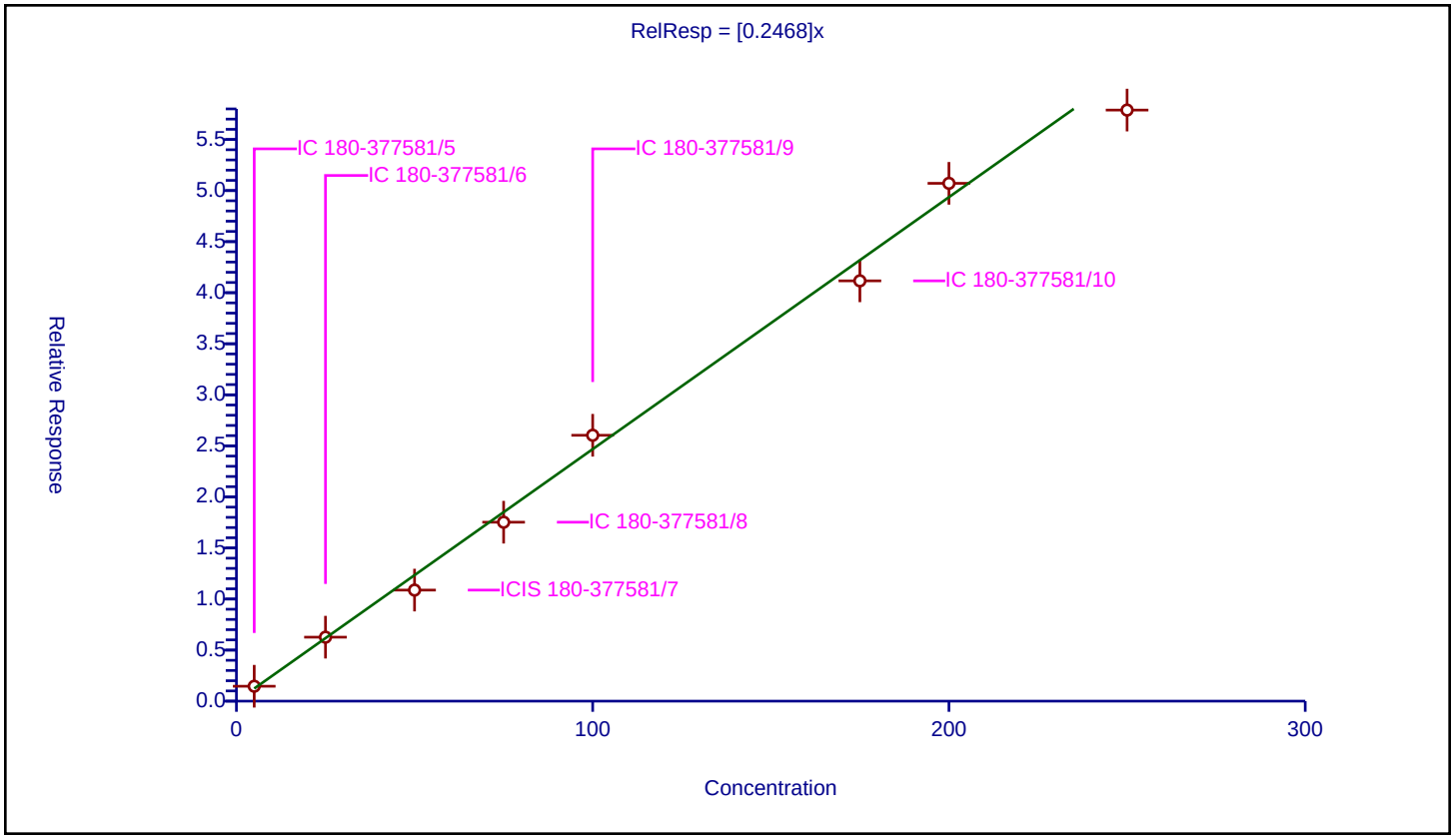
Curve Coefficients

Intercept:	0
Slope:	0.2468

Error Coefficients

Standard Error:	323000
Relative Standard Error:	9.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.459237	50.0	385167.0	0.291847	Y
2	IC 180-377581/6	25.0	6.262694	50.0	416522.0	0.250508	Y
3	ICIS 180-377581/7	50.0	10.876462	50.0	433390.0	0.217529	Y
4	IC 180-377581/8	75.0	17.523743	50.0	425711.0	0.23365	Y
5	IC 180-377581/9	100.0	26.038136	50.0	398310.0	0.260381	Y
6	IC 180-377581/10	175.0	41.161065	50.0	430906.0	0.235206	Y
7	IC 180-377581/11	200.0	50.709396	50.0	448198.0	0.253547	Y
8	IC 180-377581/12	250.0	57.884038	50.0	488988.0	0.231536	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

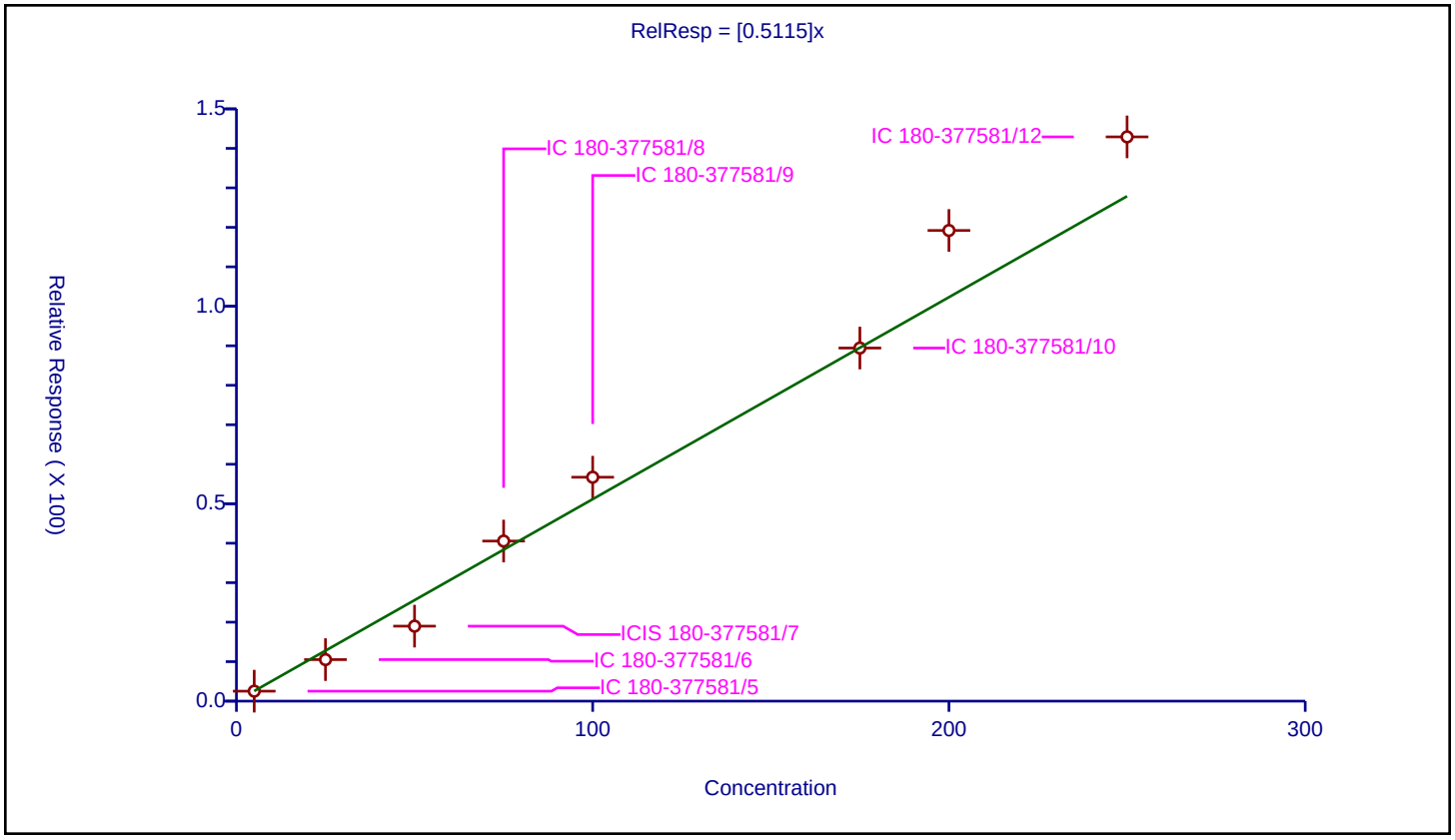
Curve Coefficients

Intercept:	0
Slope:	0.5115

Error Coefficients

Standard Error:	760000
Relative Standard Error:	14.8
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.526177	50.0	385167.0	0.505235	Y
2	IC 180-377581/6	25.0	10.516611	50.0	416522.0	0.420664	Y
3	ICIS 180-377581/7	50.0	18.992016	50.0	433390.0	0.37984	Y
4	IC 180-377581/8	75.0	40.545699	50.0	425711.0	0.540609	Y
5	IC 180-377581/9	100.0	56.712234	50.0	398310.0	0.567122	Y
6	IC 180-377581/10	175.0	89.429945	50.0	430906.0	0.511028	Y
7	IC 180-377581/11	200.0	119.203455	50.0	448198.0	0.596017	Y
8	IC 180-377581/12	250.0	142.911073	50.0	488988.0	0.571644	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

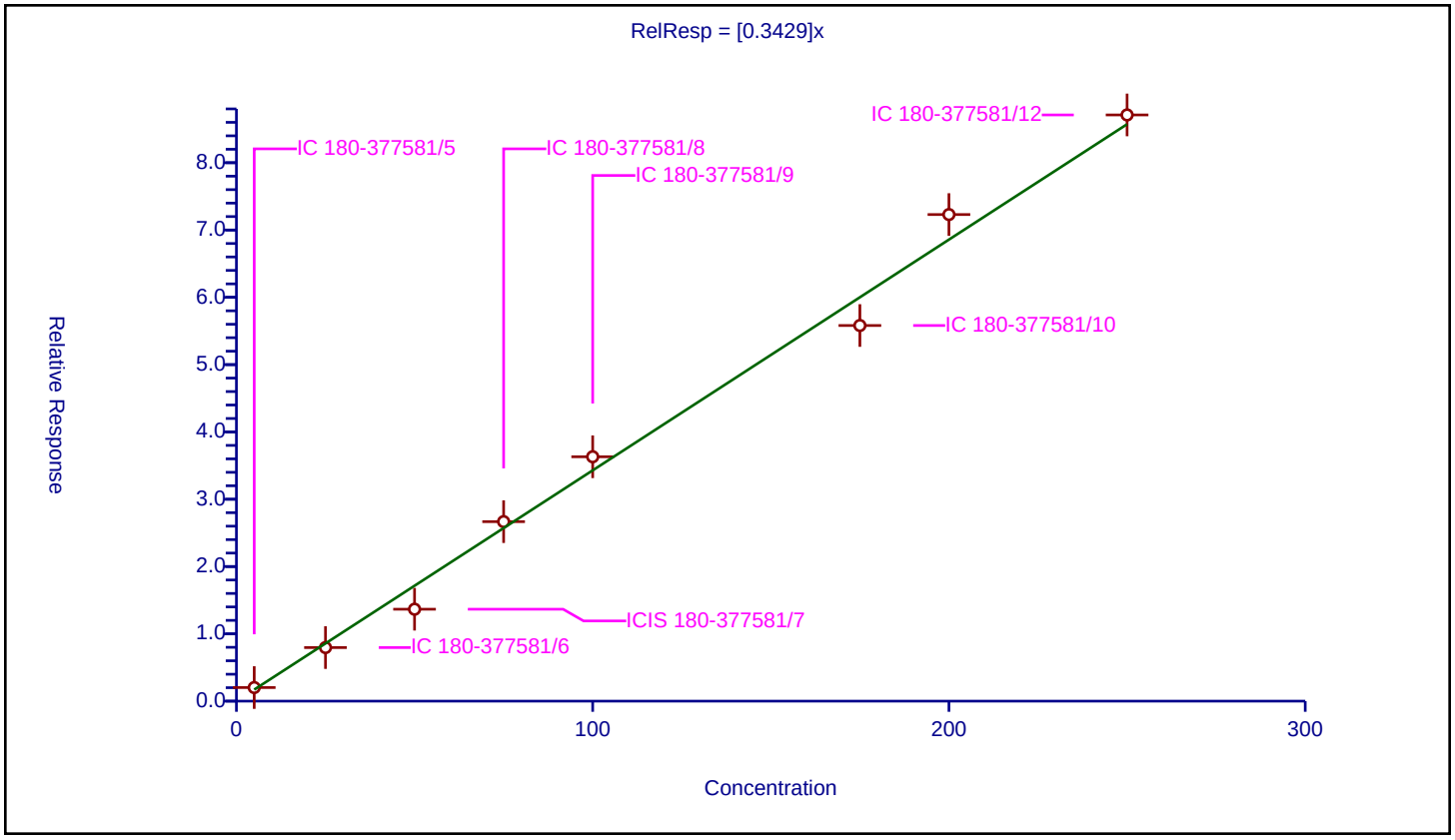
Curve Coefficients

Intercept:	0
Slope:	0.3429

Error Coefficients

Standard Error:	468000
Relative Standard Error:	11.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.019254	50.0	385167.0	0.403851	Y
2	IC 180-377581/6	25.0	7.960684	50.0	416522.0	0.318427	Y
3	ICIS 180-377581/7	50.0	13.658252	50.0	433390.0	0.273165	Y
4	IC 180-377581/8	75.0	26.672555	50.0	425711.0	0.355634	Y
5	IC 180-377581/9	100.0	36.31355	50.0	398310.0	0.363135	Y
6	IC 180-377581/10	175.0	55.813449	50.0	430906.0	0.318934	Y
7	IC 180-377581/11	200.0	72.302531	50.0	448198.0	0.361513	Y
8	IC 180-377581/12	250.0	87.102137	50.0	488988.0	0.348409	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

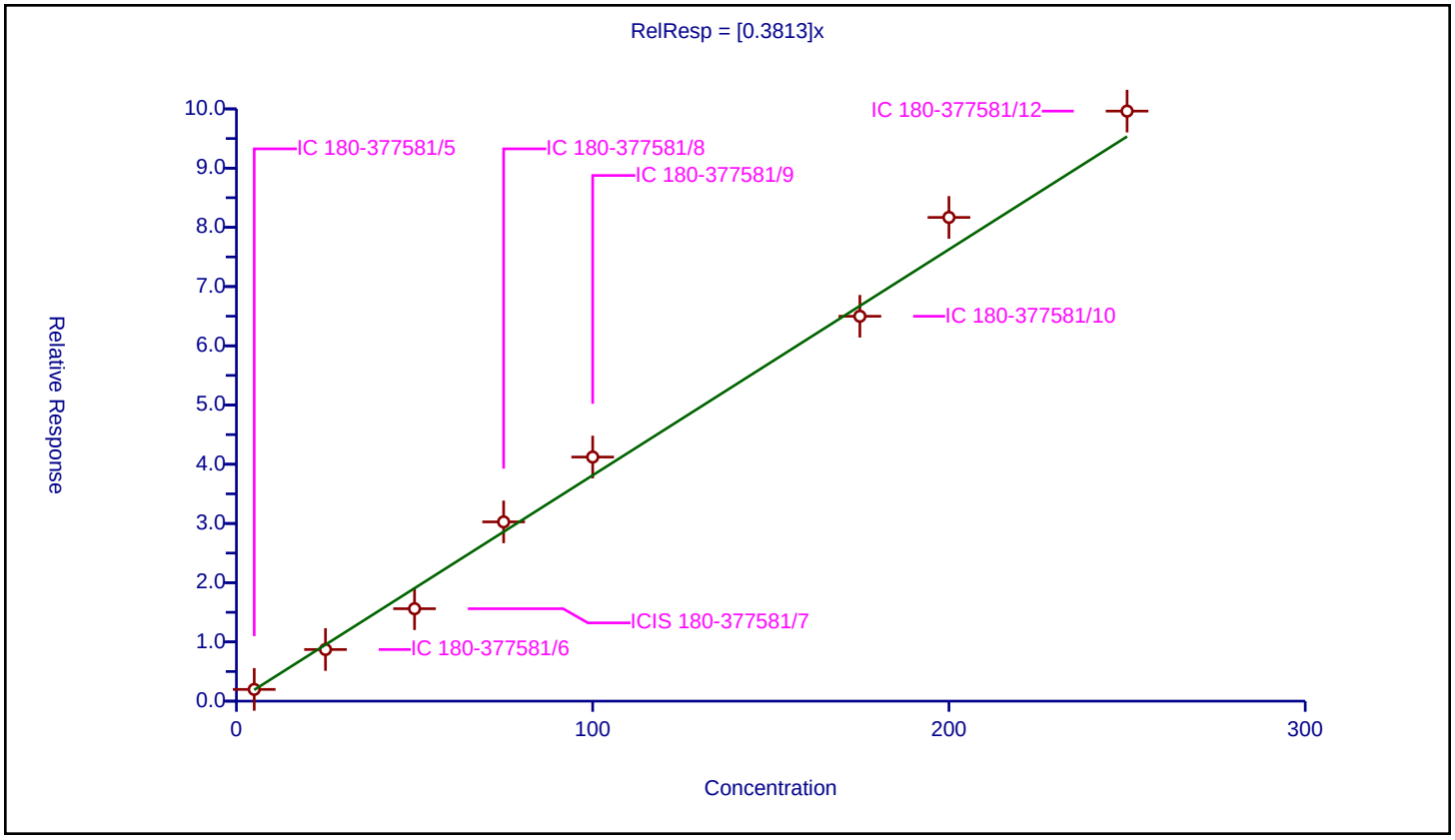
Curve Coefficients

Intercept:	0
Slope:	0.3813

Error Coefficients

Standard Error:	534000
Relative Standard Error:	9.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.980699	50.0	385167.0	0.39614	Y
2	IC 180-377581/6	25.0	8.715506	50.0	416522.0	0.34862	Y
3	ICIS 180-377581/7	50.0	15.606267	50.0	433390.0	0.312125	Y
4	IC 180-377581/8	75.0	30.266777	50.0	425711.0	0.403557	Y
5	IC 180-377581/9	100.0	41.212874	50.0	398310.0	0.412129	Y
6	IC 180-377581/10	175.0	64.984591	50.0	430906.0	0.371341	Y
7	IC 180-377581/11	200.0	81.675063	50.0	448198.0	0.408375	Y
8	IC 180-377581/12	250.0	99.624735	50.0	488988.0	0.398499	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

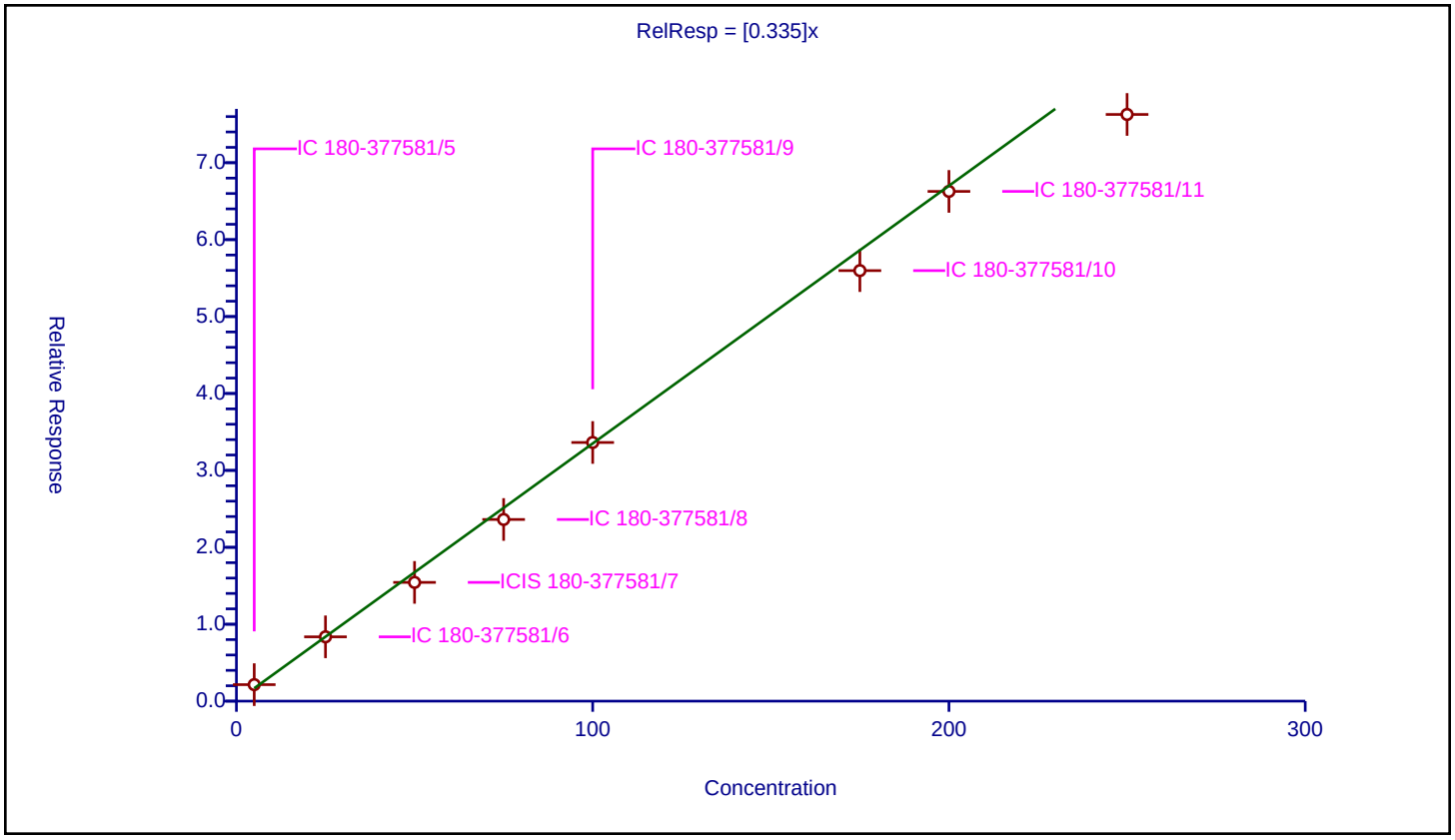
Curve Coefficients

Intercept:	0
Slope:	0.335

Error Coefficients

Standard Error:	427000
Relative Standard Error:	11.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.146082	50.0	385167.0	0.429216	Y
2	IC 180-377581/6	25.0	8.362343	50.0	416522.0	0.334494	Y
3	ICIS 180-377581/7	50.0	15.43852	50.0	433390.0	0.30877	Y
4	IC 180-377581/8	75.0	23.617196	50.0	425711.0	0.314896	Y
5	IC 180-377581/9	100.0	33.629962	50.0	398310.0	0.3363	Y
6	IC 180-377581/10	175.0	55.975317	50.0	430906.0	0.319859	Y
7	IC 180-377581/11	200.0	66.271045	50.0	448198.0	0.331355	Y
8	IC 180-377581/12	250.0	76.275389	50.0	488988.0	0.305102	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

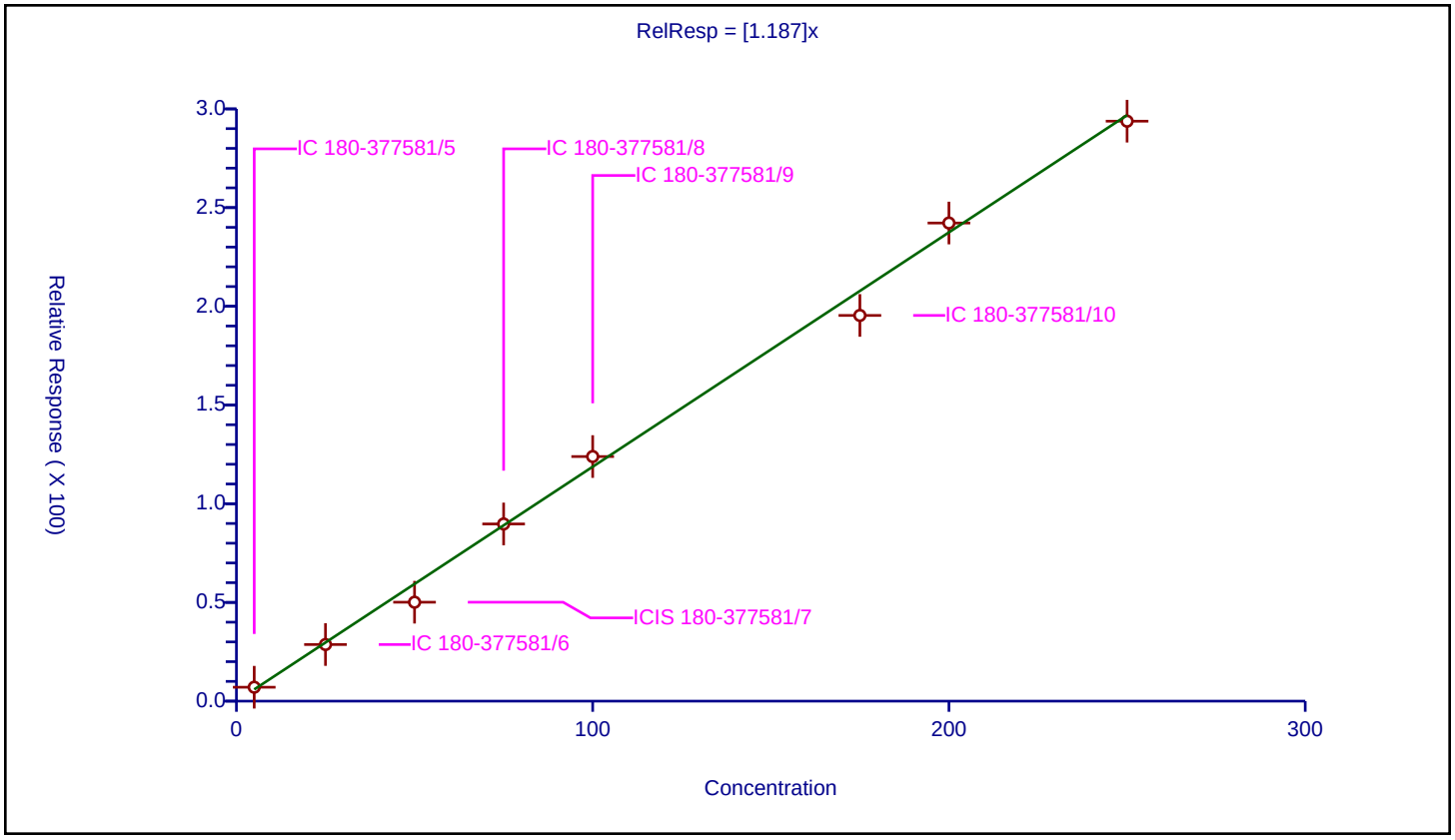
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	9.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	7.052395	50.0	385167.0	1.410479	Y
2	IC 180-377581/6	25.0	28.678557	50.0	416522.0	1.147142	Y
3	ICIS 180-377581/7	50.0	50.111216	50.0	433390.0	1.002224	Y
4	IC 180-377581/8	75.0	89.750911	50.0	425711.0	1.196679	Y
5	IC 180-377581/9	100.0	123.894705	50.0	398310.0	1.238947	Y
6	IC 180-377581/10	175.0	195.381127	50.0	430906.0	1.116464	Y
7	IC 180-377581/11	200.0	242.191844	50.0	448198.0	1.210959	Y
8	IC 180-377581/12	250.0	293.777761	50.0	488988.0	1.175111	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

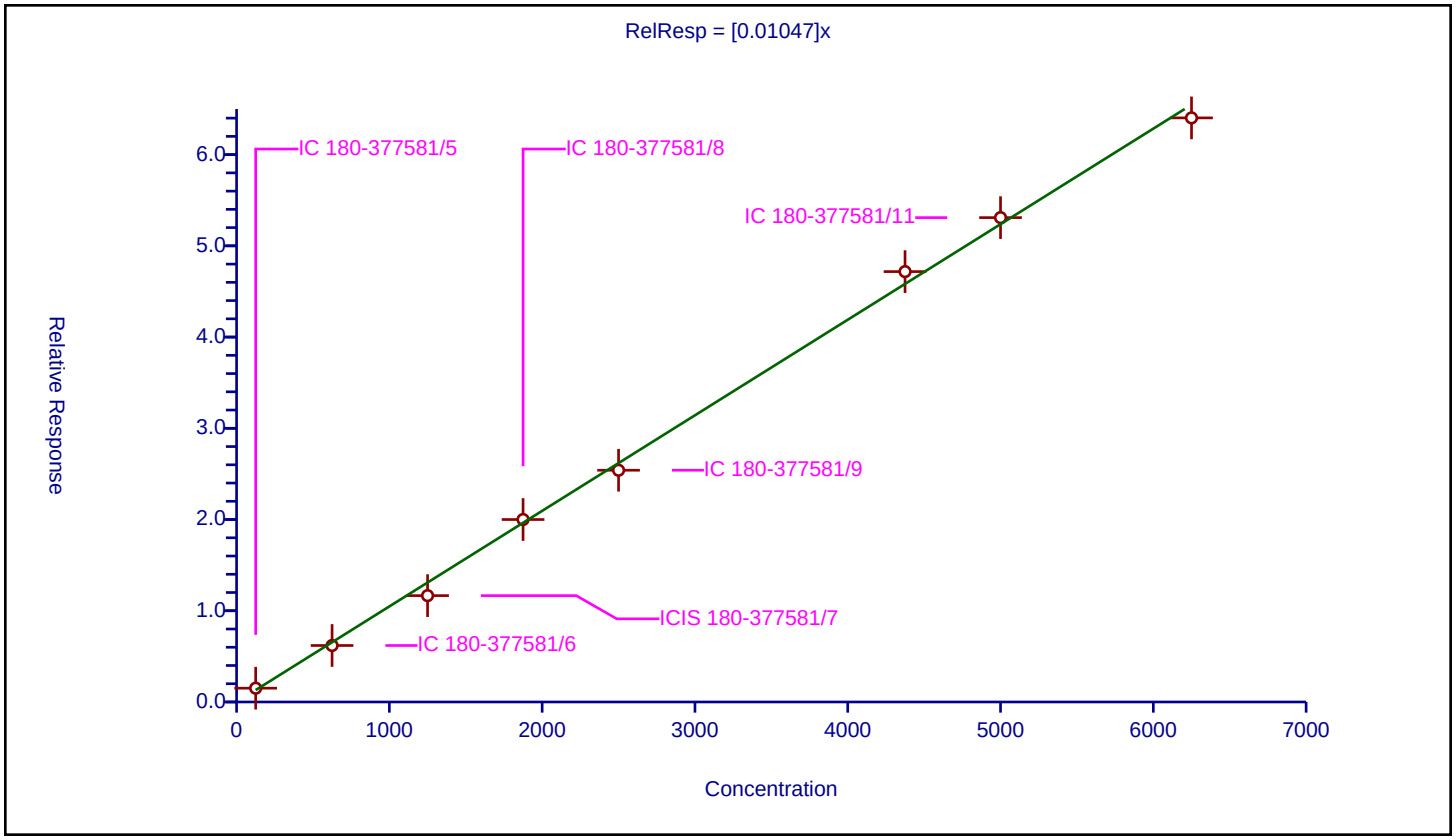
Curve Coefficients

Intercept:	0
Slope:	0.01047

Error Coefficients

Standard Error:	352000
Relative Standard Error:	7.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	125.0	1.511422	50.0	385167.0	0.012091	Y
2	IC 180-377581/6	625.0	6.19115	50.0	416522.0	0.009906	Y
3	ICIS 180-377581/7	1250.0	11.659014	50.0	433390.0	0.009327	Y
4	IC 180-377581/8	1875.0	20.001832	50.0	425711.0	0.010668	Y
5	IC 180-377581/9	2500.0	25.404082	50.0	398310.0	0.010162	Y
6	IC 180-377581/10	4375.0	47.177459	50.0	430906.0	0.010783	Y
7	IC 180-377581/11	5000.0	53.093387	50.0	448198.0	0.010619	Y
8	IC 180-377581/12	6250.0	64.025293	50.0	488988.0	0.010244	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

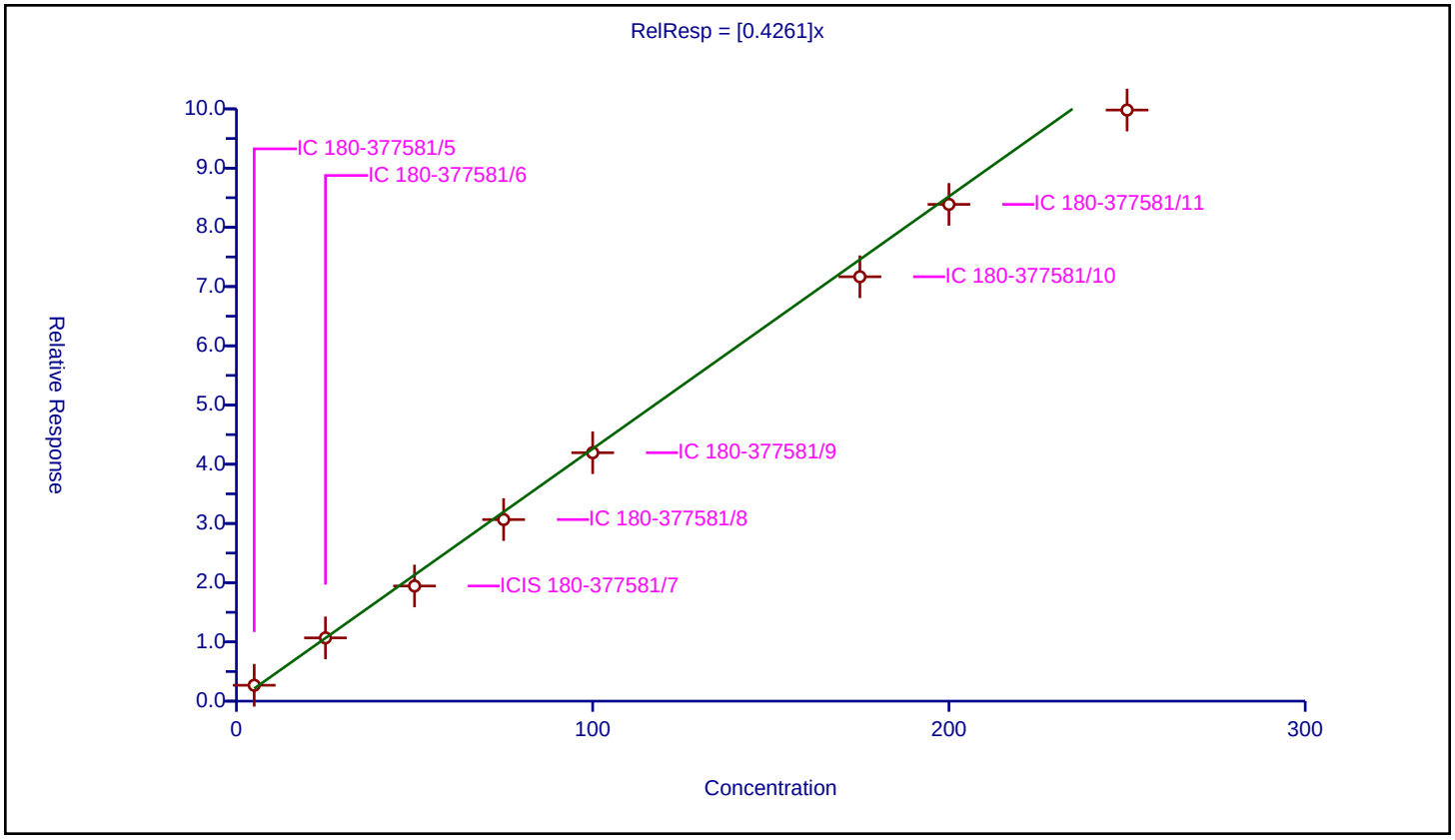
Curve Coefficients

Intercept:	0
Slope:	0.4261

Error Coefficients

Standard Error:	550000
Relative Standard Error:	10.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.680396	50.0	385167.0	0.536079	Y
2	IC 180-377581/6	25.0	10.68479	50.0	416522.0	0.427392	Y
3	ICIS 180-377581/7	50.0	19.445188	50.0	433390.0	0.388904	Y
4	IC 180-377581/8	75.0	30.657888	50.0	425711.0	0.408772	Y
5	IC 180-377581/9	100.0	41.947102	50.0	398310.0	0.419471	Y
6	IC 180-377581/10	175.0	71.660525	50.0	430906.0	0.409489	Y
7	IC 180-377581/11	200.0	83.878219	50.0	448198.0	0.419391	Y
8	IC 180-377581/12	250.0	99.807868	50.0	488988.0	0.399231	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

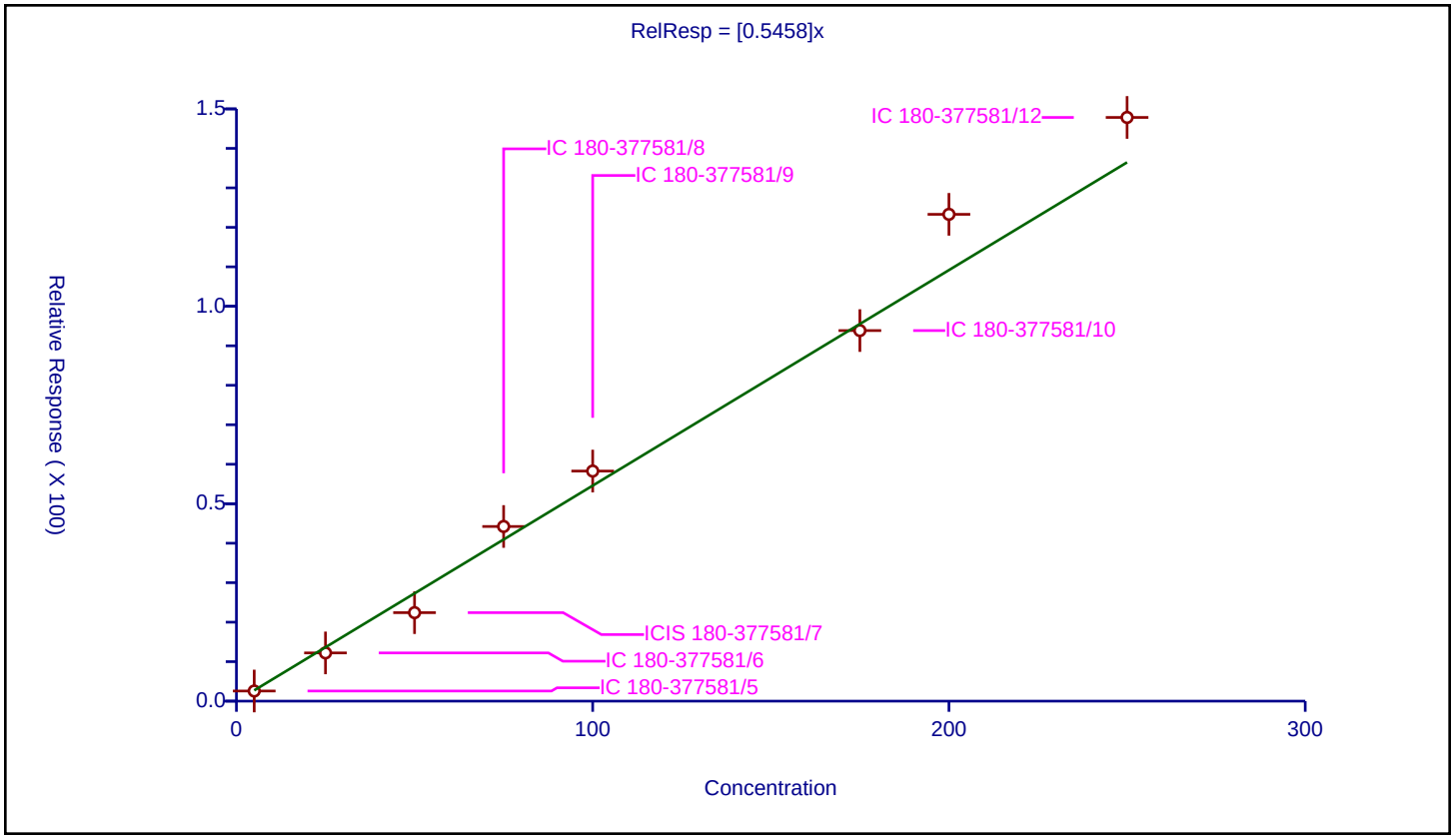
Curve Coefficients

Intercept:	0
Slope:	0.5458

Error Coefficients

Standard Error:	790000
Relative Standard Error:	10.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.56564	50.0	385167.0	0.513128	Y
2	IC 180-377581/6	25.0	12.215801	50.0	416522.0	0.488632	Y
3	ICIS 180-377581/7	50.0	22.41503	50.0	433390.0	0.448301	Y
4	IC 180-377581/8	75.0	44.235526	50.0	425711.0	0.589807	Y
5	IC 180-377581/9	100.0	58.272702	50.0	398310.0	0.582727	Y
6	IC 180-377581/10	175.0	93.857825	50.0	430906.0	0.53633	Y
7	IC 180-377581/11	200.0	123.293611	50.0	448198.0	0.616468	Y
8	IC 180-377581/12	250.0	147.831337	50.0	488988.0	0.591325	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

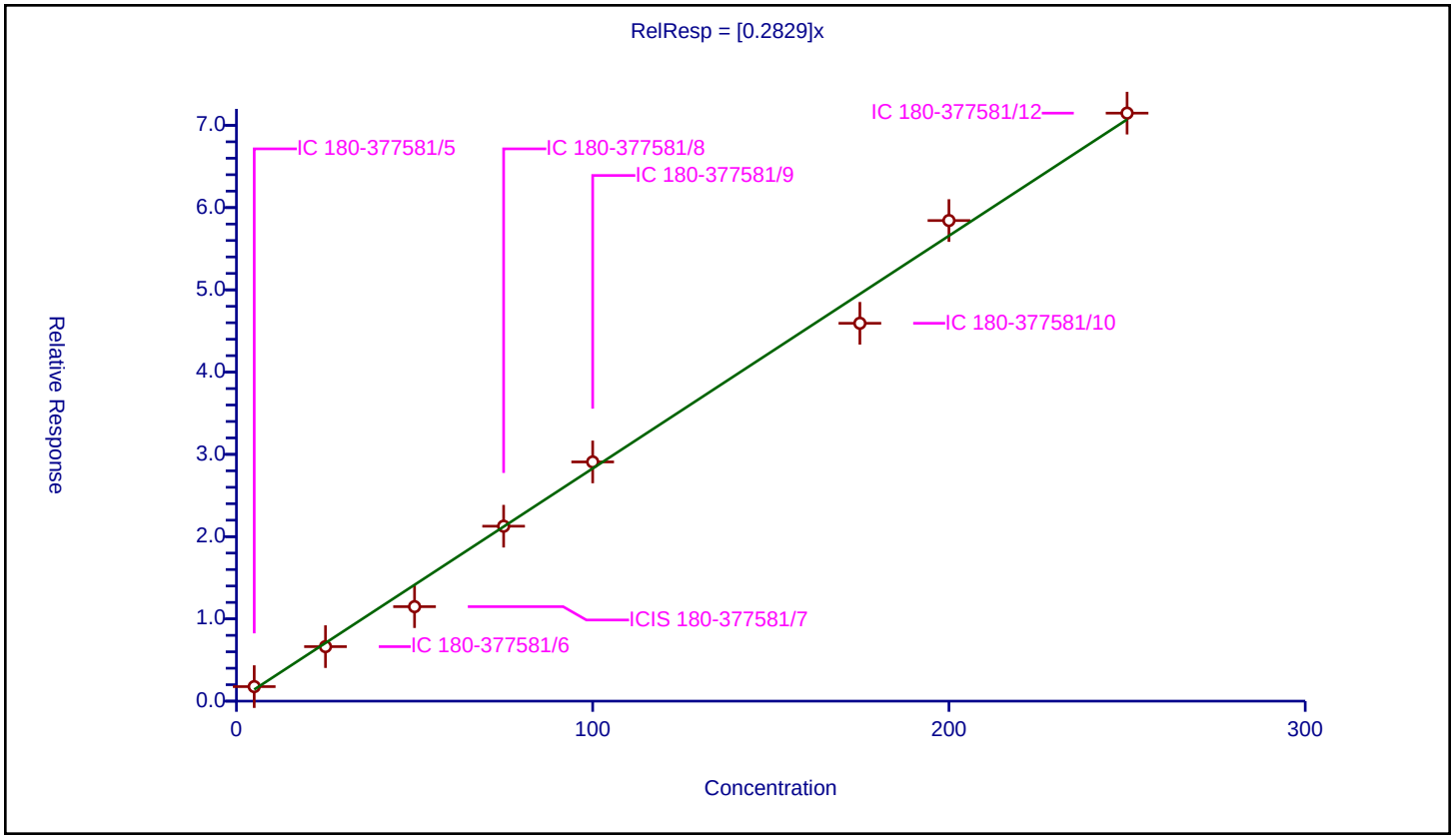
Curve Coefficients

Intercept:	0
Slope:	0.2829

Error Coefficients

Standard Error:	382000
Relative Standard Error:	12.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.765598	50.0	385167.0	0.35312	Y
2	IC 180-377581/6	25.0	6.627021	50.0	416522.0	0.265081	Y
3	ICIS 180-377581/7	50.0	11.486421	50.0	433390.0	0.229728	Y
4	IC 180-377581/8	75.0	21.267245	50.0	425711.0	0.283563	Y
5	IC 180-377581/9	100.0	29.08162	50.0	398310.0	0.290816	Y
6	IC 180-377581/10	175.0	45.937977	50.0	430906.0	0.262503	Y
7	IC 180-377581/11	200.0	58.428195	50.0	448198.0	0.292141	Y
8	IC 180-377581/12	250.0	71.484167	50.0	488988.0	0.285937	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

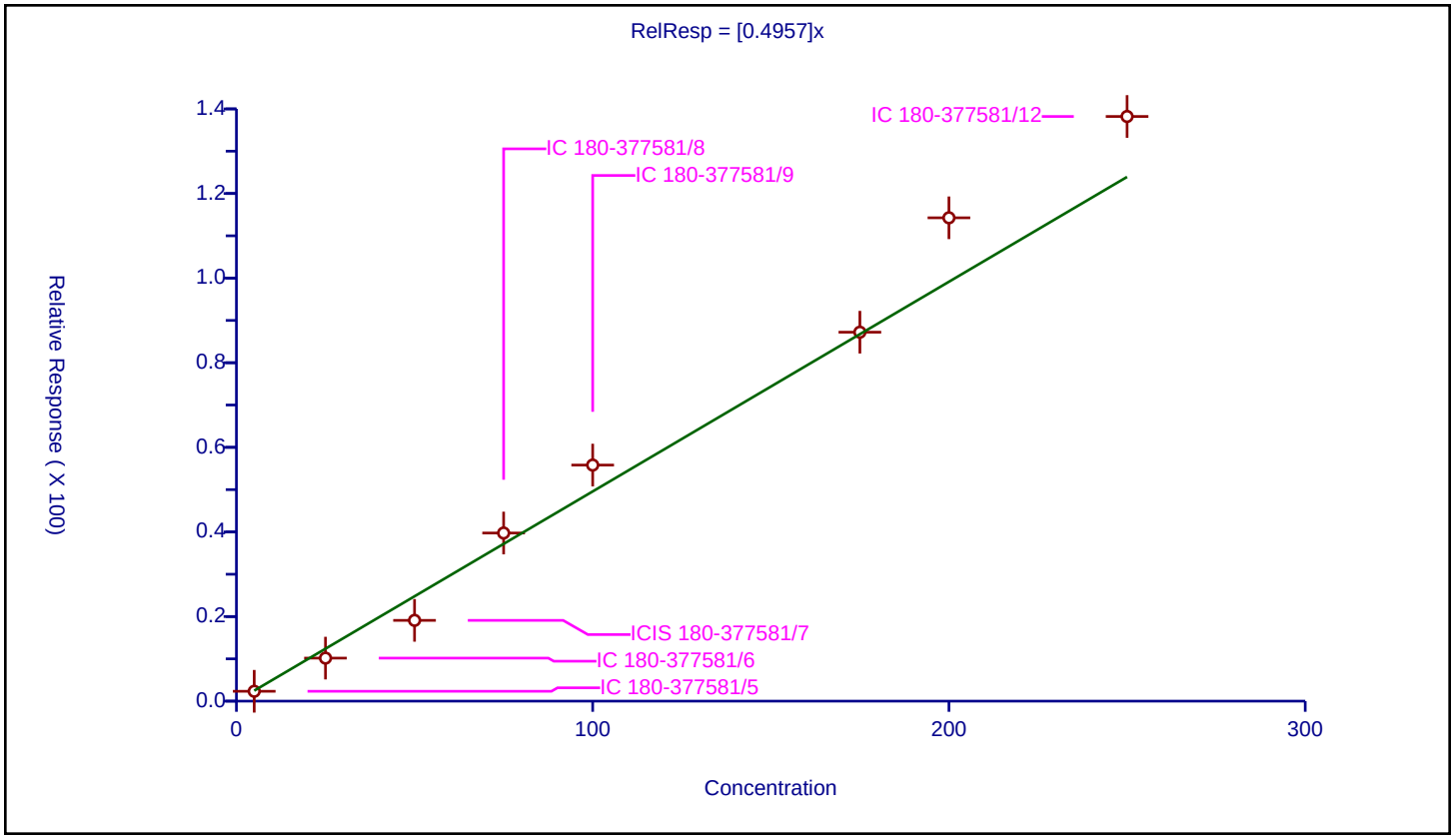
Curve Coefficients

Intercept:	0
Slope:	0.4957

Error Coefficients

Standard Error:	736000
Relative Standard Error:	14.4
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.331846	50.0	385167.0	0.466369	Y
2	IC 180-377581/6	25.0	10.172812	50.0	416522.0	0.406912	Y
3	ICIS 180-377581/7	50.0	19.092849	50.0	433390.0	0.381857	Y
4	IC 180-377581/8	75.0	39.743277	50.0	425711.0	0.52991	Y
5	IC 180-377581/9	100.0	55.802767	50.0	398310.0	0.558028	Y
6	IC 180-377581/10	175.0	87.212756	50.0	430906.0	0.498359	Y
7	IC 180-377581/11	200.0	114.25408	50.0	448198.0	0.57127	Y
8	IC 180-377581/12	250.0	138.206766	50.0	488988.0	0.552827	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

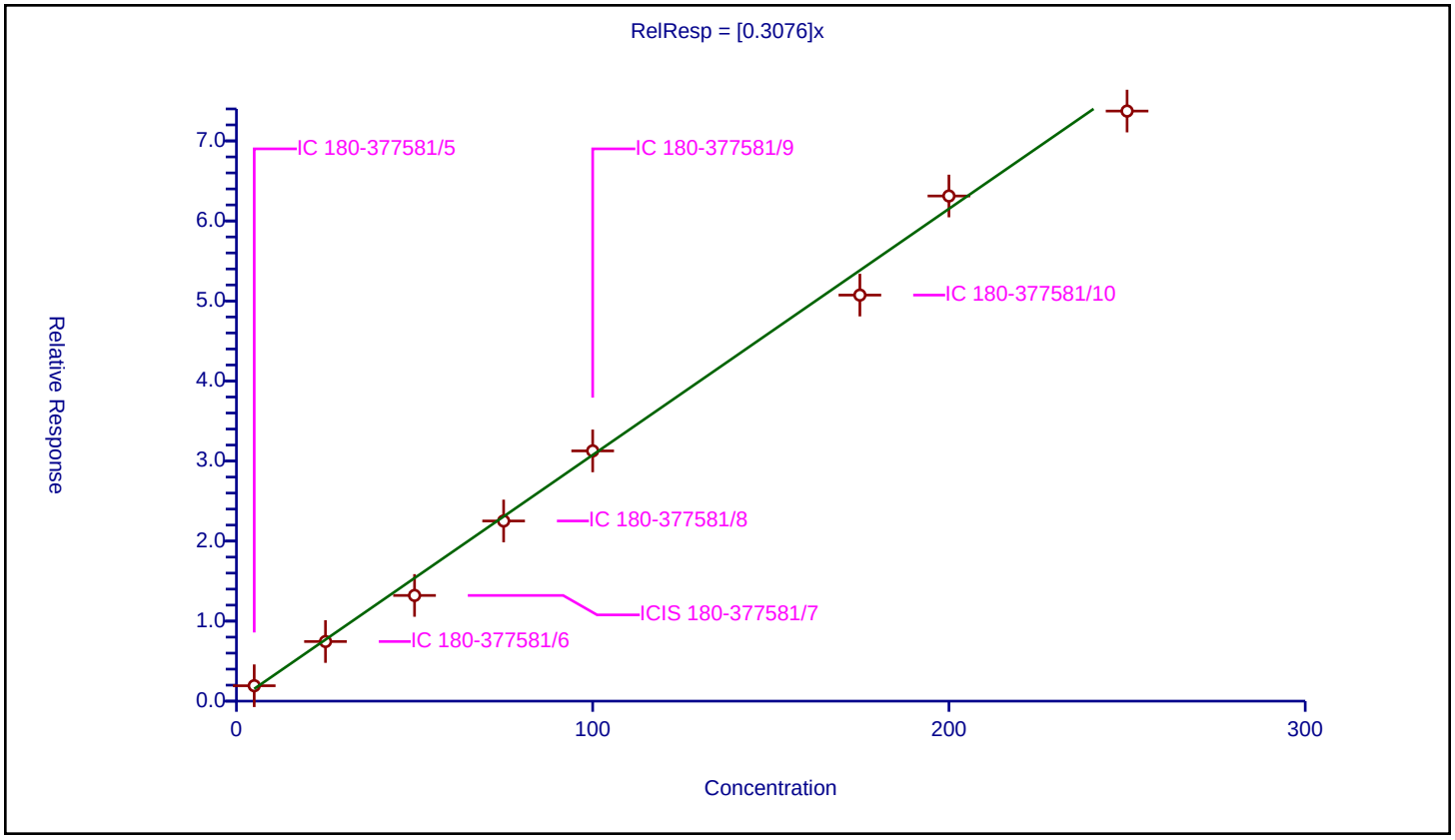
Curve Coefficients

Intercept:	0
Slope:	0.3076

Error Coefficients

Standard Error:	405000
Relative Standard Error:	11.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.925918	50.0	385167.0	0.385184	Y
2	IC 180-377581/6	25.0	7.448226	50.0	416522.0	0.297929	Y
3	ICIS 180-377581/7	50.0	13.20808	50.0	433390.0	0.264162	Y
4	IC 180-377581/8	75.0	22.509754	50.0	425711.0	0.30013	Y
5	IC 180-377581/9	100.0	31.267355	50.0	398310.0	0.312674	Y
6	IC 180-377581/10	175.0	50.734847	50.0	430906.0	0.289913	Y
7	IC 180-377581/11	200.0	63.119202	50.0	448198.0	0.315596	Y
8	IC 180-377581/12	250.0	73.731768	50.0	488988.0	0.294927	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

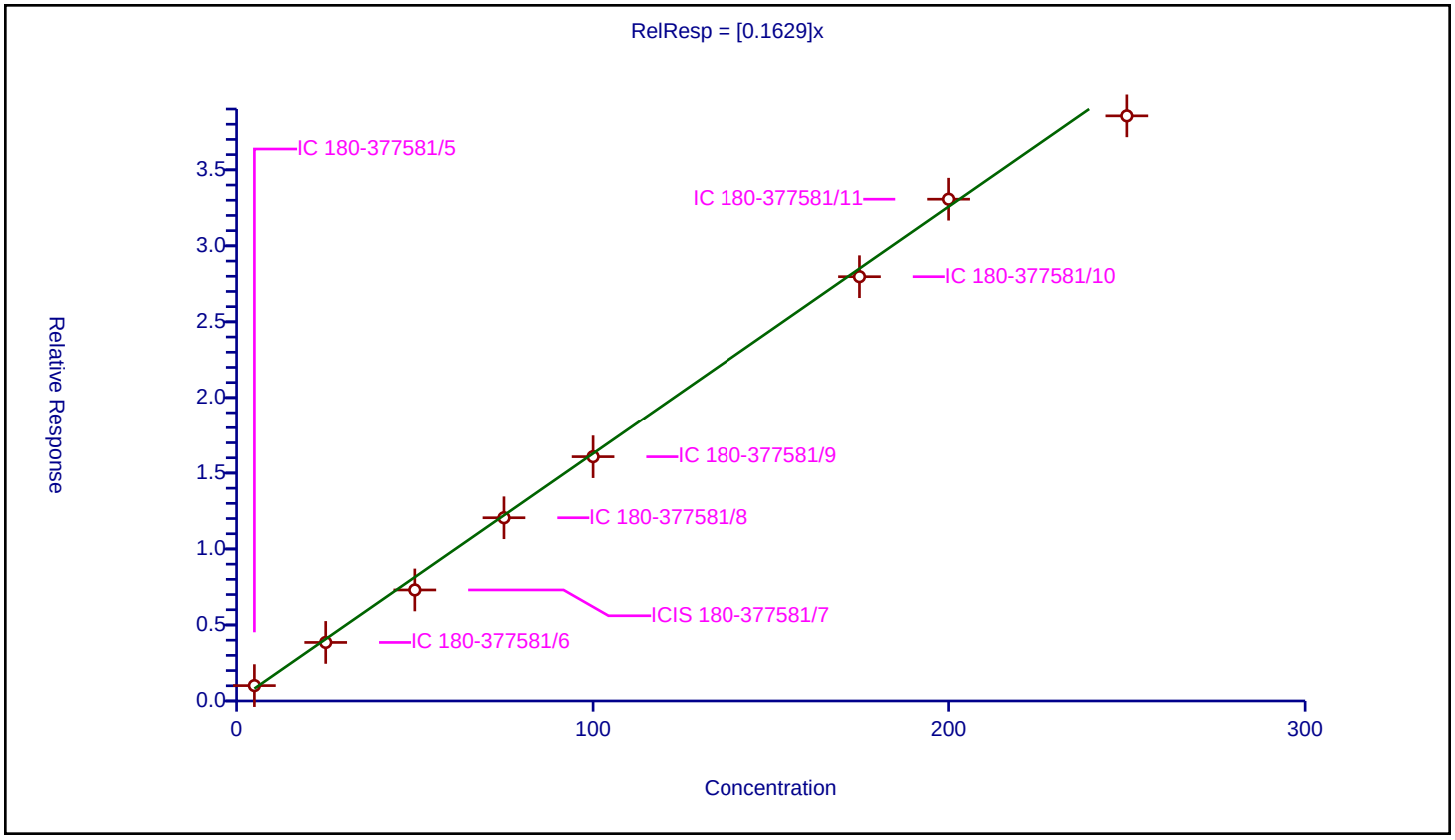
Curve Coefficients

Intercept:	0
Slope:	0.1629

Error Coefficients

Standard Error:	214000
Relative Standard Error:	10.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.01125	50.0	385167.0	0.20225	Y
2	IC 180-377581/6	25.0	3.849857	50.0	416522.0	0.153994	Y
3	ICIS 180-377581/7	50.0	7.301622	50.0	433390.0	0.146032	Y
4	IC 180-377581/8	75.0	12.053247	50.0	425711.0	0.16071	Y
5	IC 180-377581/9	100.0	16.07341	50.0	398310.0	0.160734	Y
6	IC 180-377581/10	175.0	27.971066	50.0	430906.0	0.159835	Y
7	IC 180-377581/11	200.0	33.067863	50.0	448198.0	0.165339	Y
8	IC 180-377581/12	250.0	38.550946	50.0	488988.0	0.154204	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

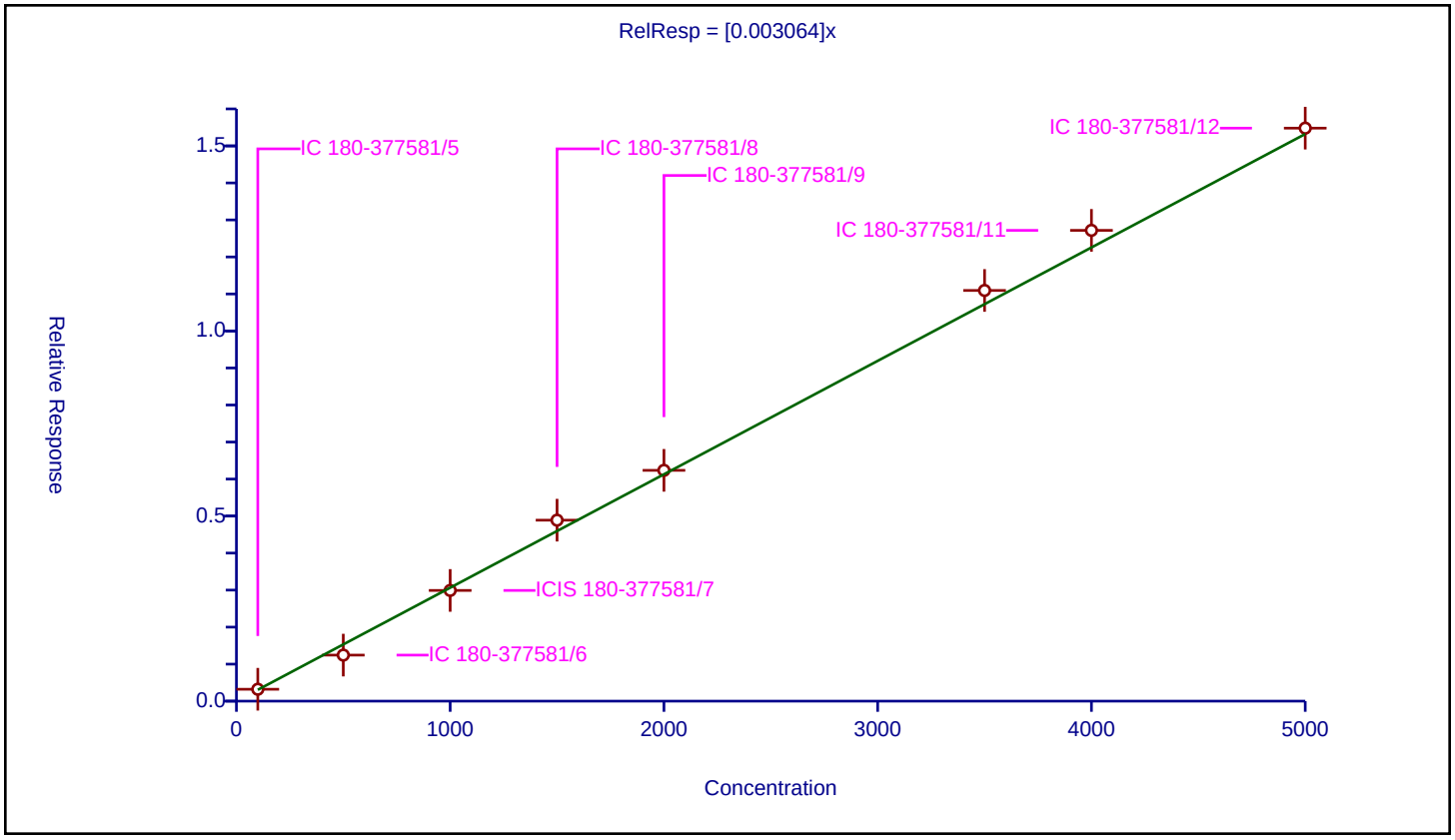
Curve Coefficients

Intercept:	0
Slope:	0.003064

Error Coefficients

Standard Error:	84500
Relative Standard Error:	8.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	100.0	0.321159	50.0	385167.0	0.003212	Y
2	IC 180-377581/6	500.0	1.243752	50.0	416522.0	0.002488	Y
3	ICIS 180-377581/7	1000.0	2.99107	50.0	433390.0	0.002991	Y
4	IC 180-377581/8	1500.0	4.888997	50.0	425711.0	0.003259	Y
5	IC 180-377581/9	2000.0	6.235344	50.0	398310.0	0.003118	Y
6	IC 180-377581/10	3500.0	11.094647	50.0	430906.0	0.00317	Y
7	IC 180-377581/11	4000.0	12.718374	50.0	448198.0	0.00318	Y
8	IC 180-377581/12	5000.0	15.479828	50.0	488988.0	0.003096	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

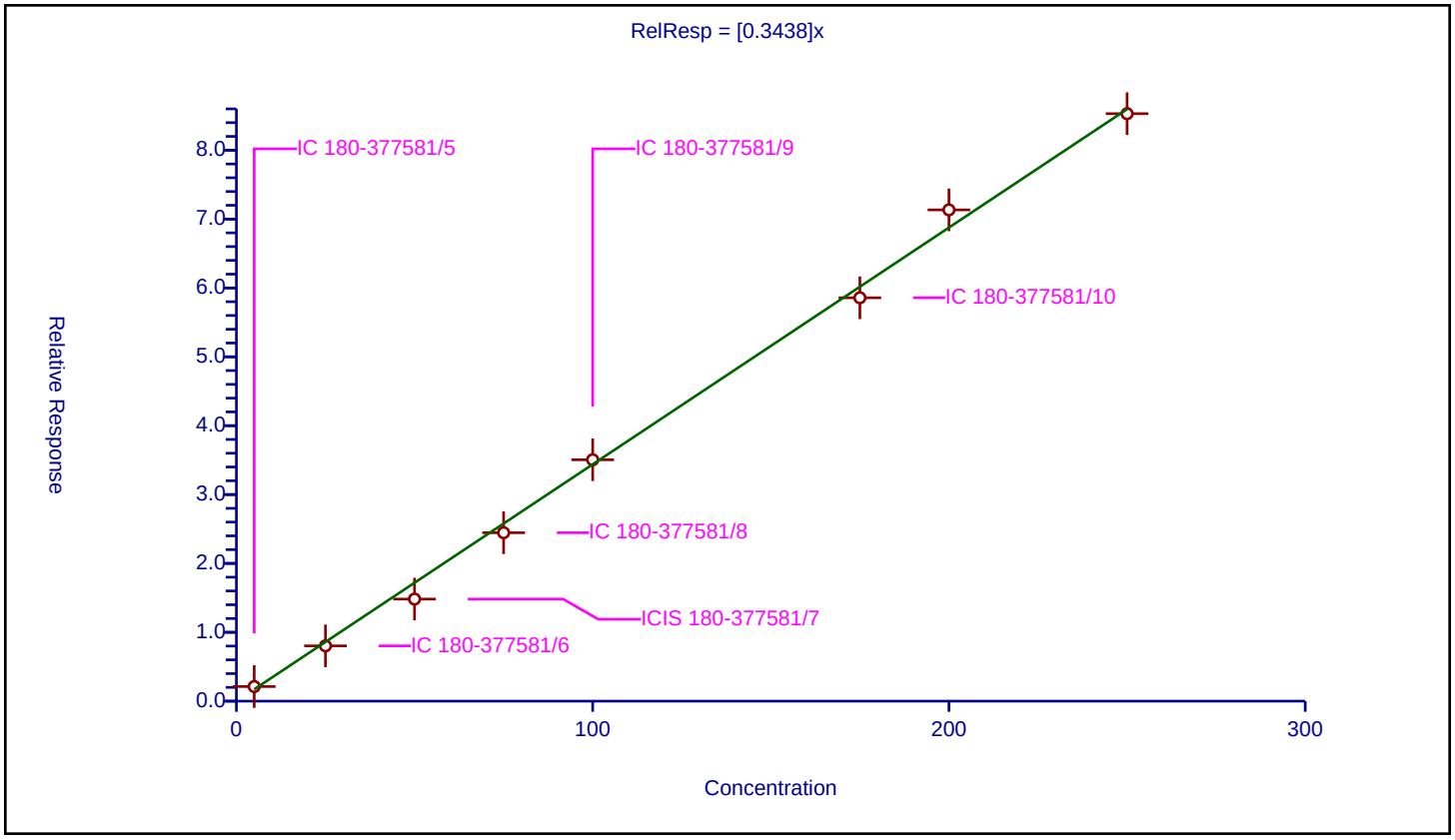
Curve Coefficients

Intercept:	0
Slope:	0.3438

Error Coefficients

Standard Error:	463000
Relative Standard Error:	10.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.1196	50.0	385167.0	0.42392	Y
2	IC 180-377581/6	25.0	8.028027	50.0	416522.0	0.321121	Y
3	ICIS 180-377581/7	50.0	14.821754	50.0	433390.0	0.296435	Y
4	IC 180-377581/8	75.0	24.45544	50.0	425711.0	0.326073	Y
5	IC 180-377581/9	100.0	35.048455	50.0	398310.0	0.350485	Y
6	IC 180-377581/10	175.0	58.572867	50.0	430906.0	0.334702	Y
7	IC 180-377581/11	200.0	71.334879	50.0	448198.0	0.356674	Y
8	IC 180-377581/12	250.0	85.302911	50.0	488988.0	0.341212	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

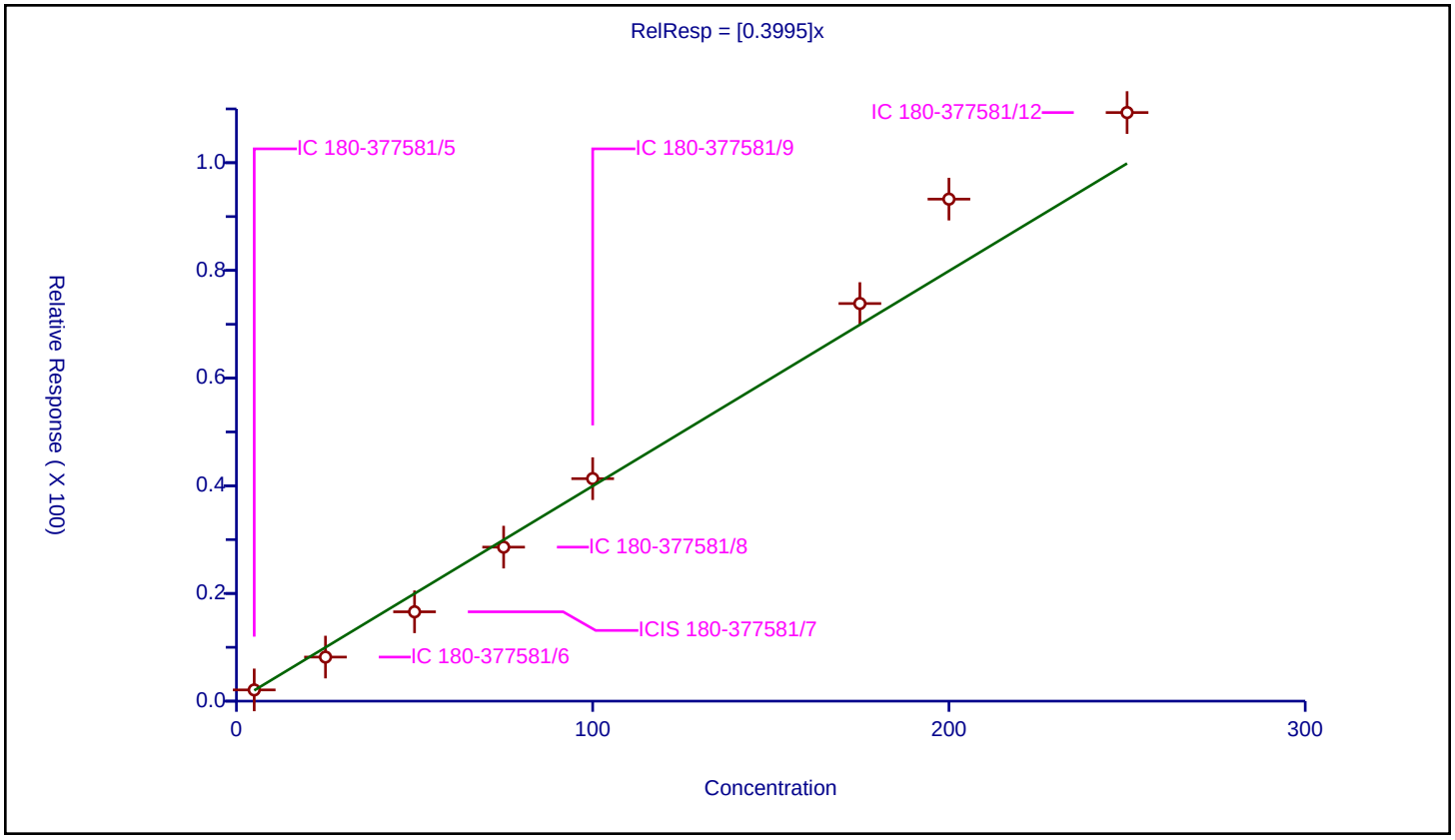
Curve Coefficients

Intercept:	0
Slope:	0.3995

Error Coefficients

Standard Error:	590000
Relative Standard Error:	12.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.082863	50.0	385167.0	0.416573	Y
2	IC 180-377581/6	25.0	8.182281	50.0	416522.0	0.327291	Y
3	ICIS 180-377581/7	50.0	16.594292	50.0	433390.0	0.331886	Y
4	IC 180-377581/8	75.0	28.605791	50.0	425711.0	0.381411	Y
5	IC 180-377581/9	100.0	41.323216	50.0	398310.0	0.413232	Y
6	IC 180-377581/10	175.0	73.848705	50.0	430906.0	0.421993	Y
7	IC 180-377581/11	200.0	93.238368	50.0	448198.0	0.466192	Y
8	IC 180-377581/12	250.0	109.322826	50.0	488988.0	0.437291	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

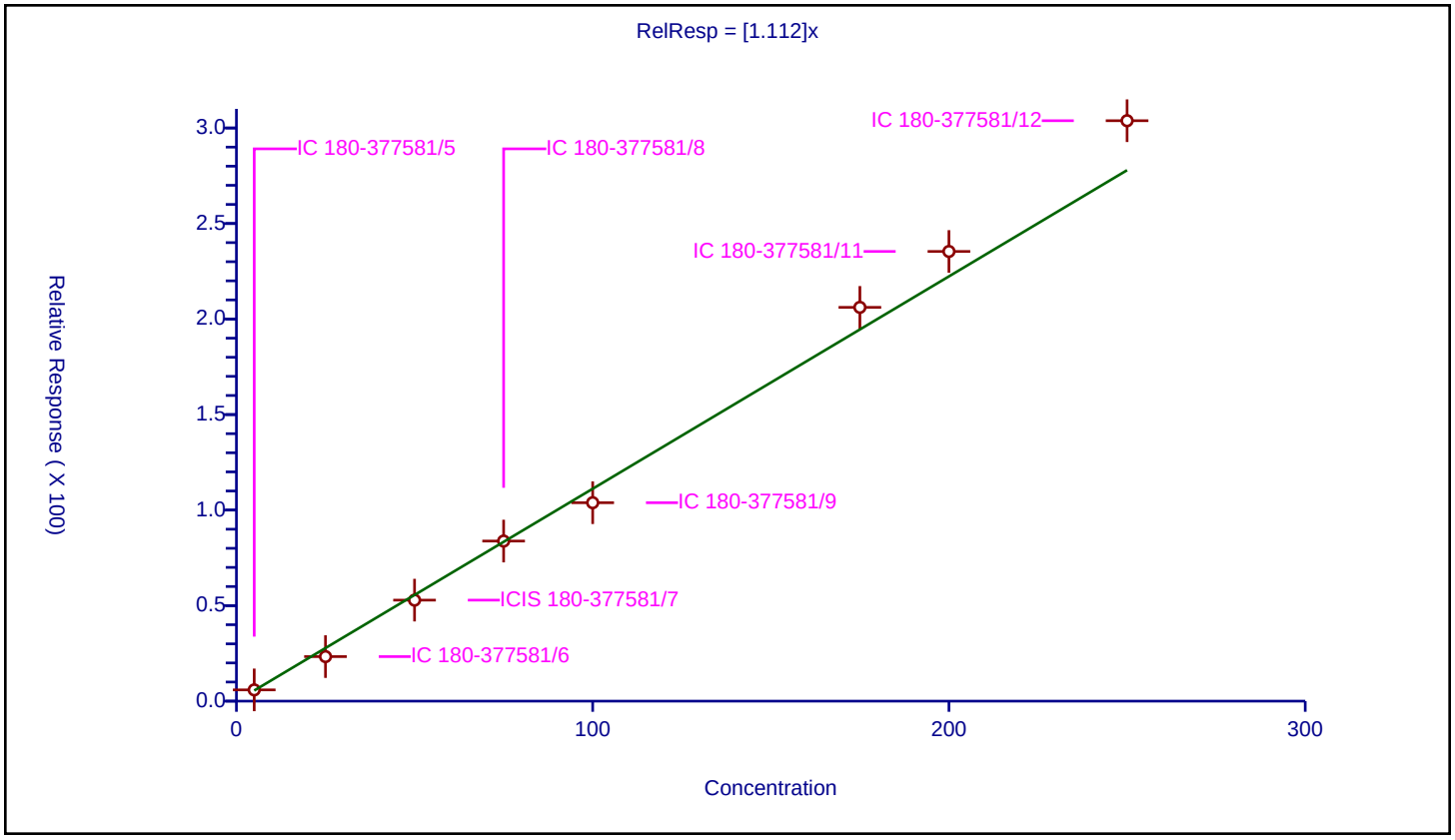
Curve Coefficients

Intercept:	0
Slope:	1.112

Error Coefficients

Standard Error:	394000
Relative Standard Error:	8.6
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	5.888207	50.0	94961.0	1.177641	Y
2	IC 180-377581/6	25.0	23.312211	50.0	98472.0	0.932488	Y
3	ICIS 180-377581/7	50.0	52.8689	50.0	103280.0	1.057378	Y
4	IC 180-377581/8	75.0	83.78643	50.0	103657.0	1.117152	Y
5	IC 180-377581/9	100.0	103.866096	50.0	99131.0	1.038661	Y
6	IC 180-377581/10	175.0	206.110071	50.0	106259.0	1.177772	Y
7	IC 180-377581/11	200.0	235.375629	50.0	114022.0	1.176878	Y
8	IC 180-377581/12	250.0	303.81603	50.0	118867.0	1.215264	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

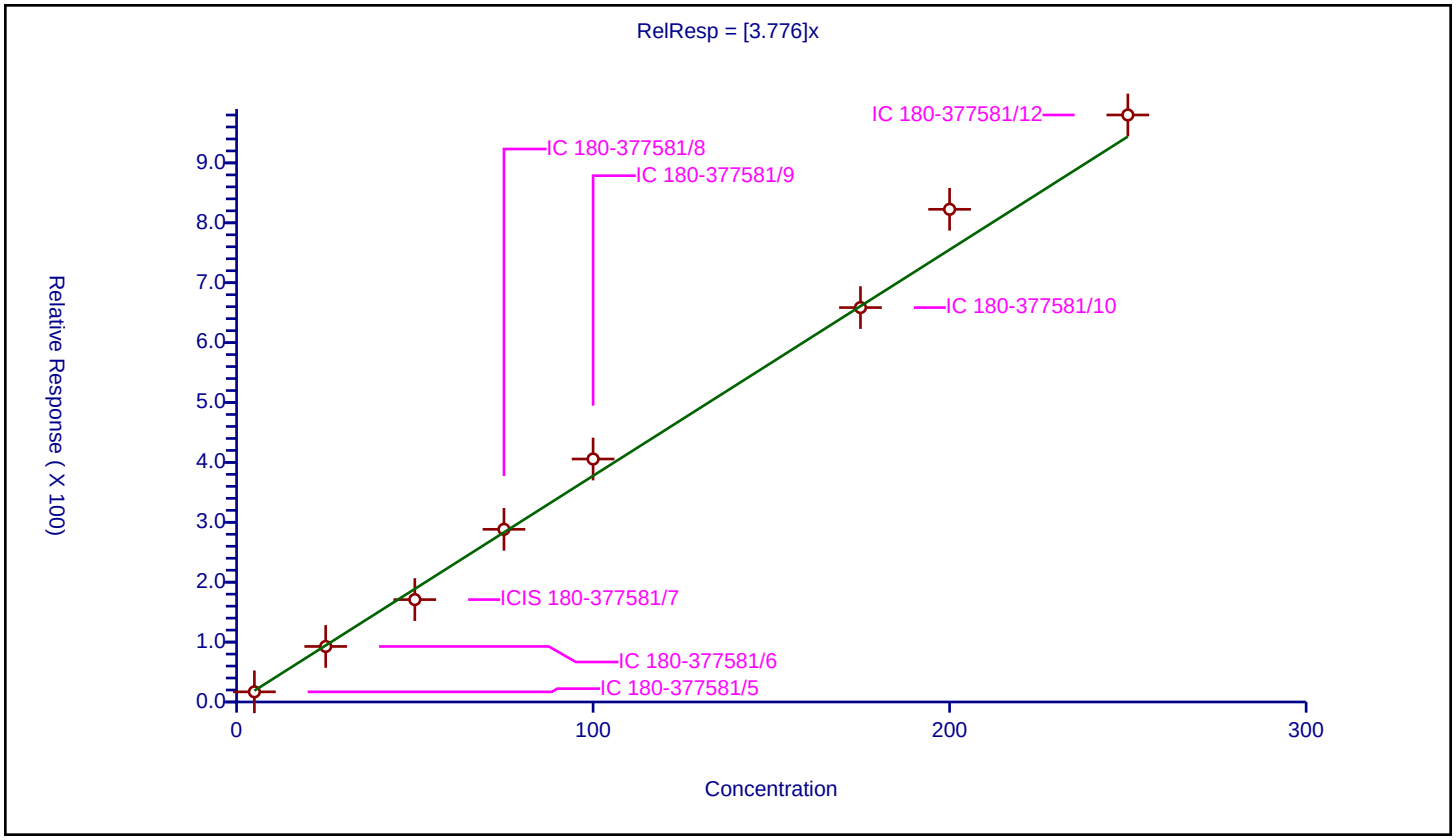
Curve Coefficients

Intercept:	0
Slope:	3.776

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	7.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	16.920631	50.0	94961.0	3.384126	Y
2	IC 180-377581/6	25.0	92.715696	50.0	98472.0	3.708628	Y
3	ICIS 180-377581/7	50.0	170.941131	50.0	103280.0	3.418823	Y
4	IC 180-377581/8	75.0	288.284438	50.0	103657.0	3.843793	Y
5	IC 180-377581/9	100.0	405.672292	50.0	99131.0	4.056723	Y
6	IC 180-377581/10	175.0	658.505162	50.0	106259.0	3.762887	Y
7	IC 180-377581/11	200.0	822.546088	50.0	114022.0	4.11273	Y
8	IC 180-377581/12	250.0	980.083202	50.0	118867.0	3.920333	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

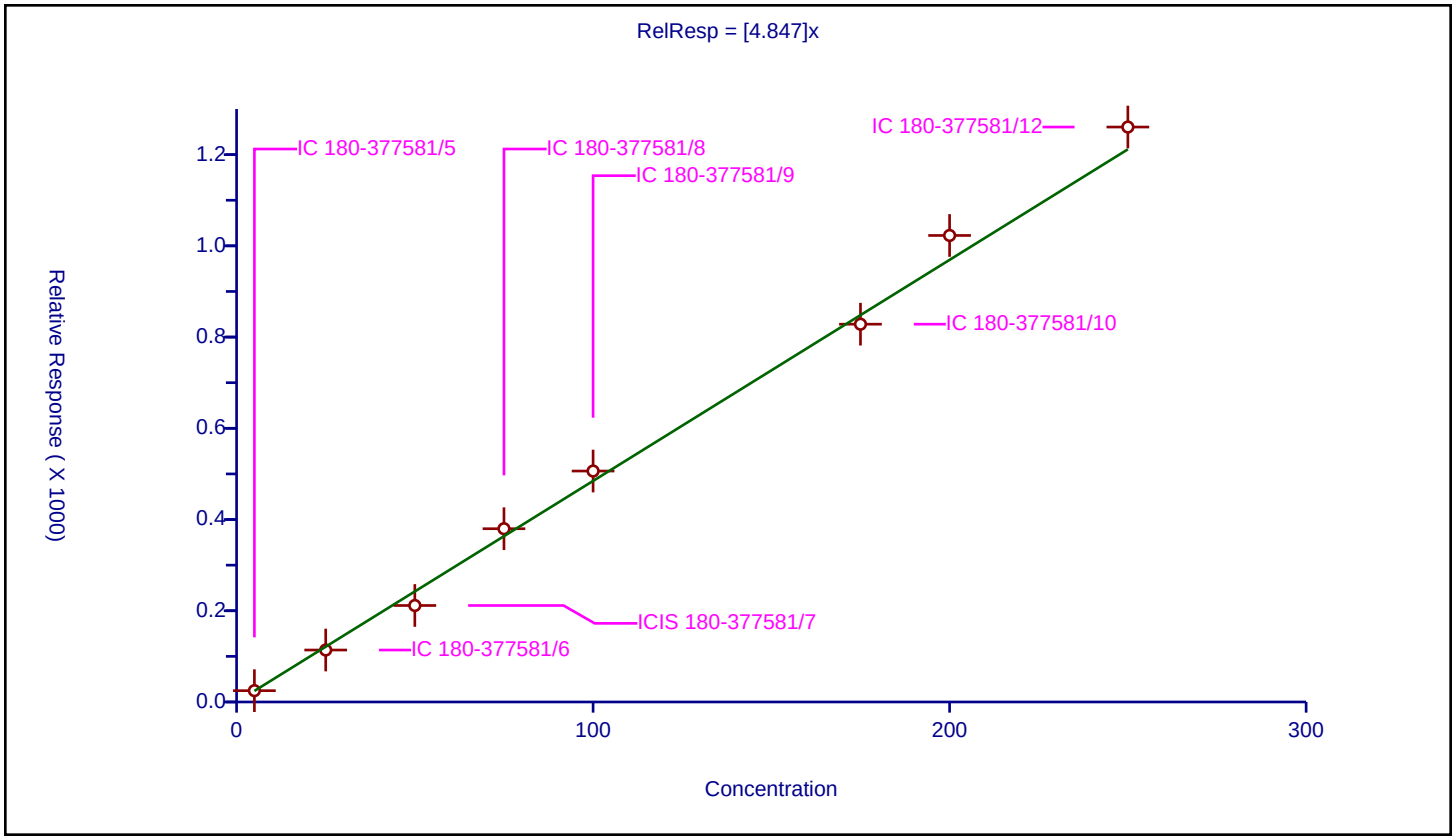
Curve Coefficients

Intercept:	0
Slope:	4.847

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	6.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	24.839671	50.0	94961.0	4.967934	Y
2	IC 180-377581/6	25.0	113.92477	50.0	98472.0	4.556991	Y
3	ICIS 180-377581/7	50.0	211.521592	50.0	103280.0	4.230432	Y
4	IC 180-377581/8	75.0	379.847478	50.0	103657.0	5.064633	Y
5	IC 180-377581/9	100.0	506.332025	50.0	99131.0	5.06332	Y
6	IC 180-377581/10	175.0	828.262547	50.0	106259.0	4.732929	Y
7	IC 180-377581/11	200.0	1022.788585	50.0	114022.0	5.113943	Y
8	IC 180-377581/12	250.0	1260.503756	50.0	118867.0	5.042015	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

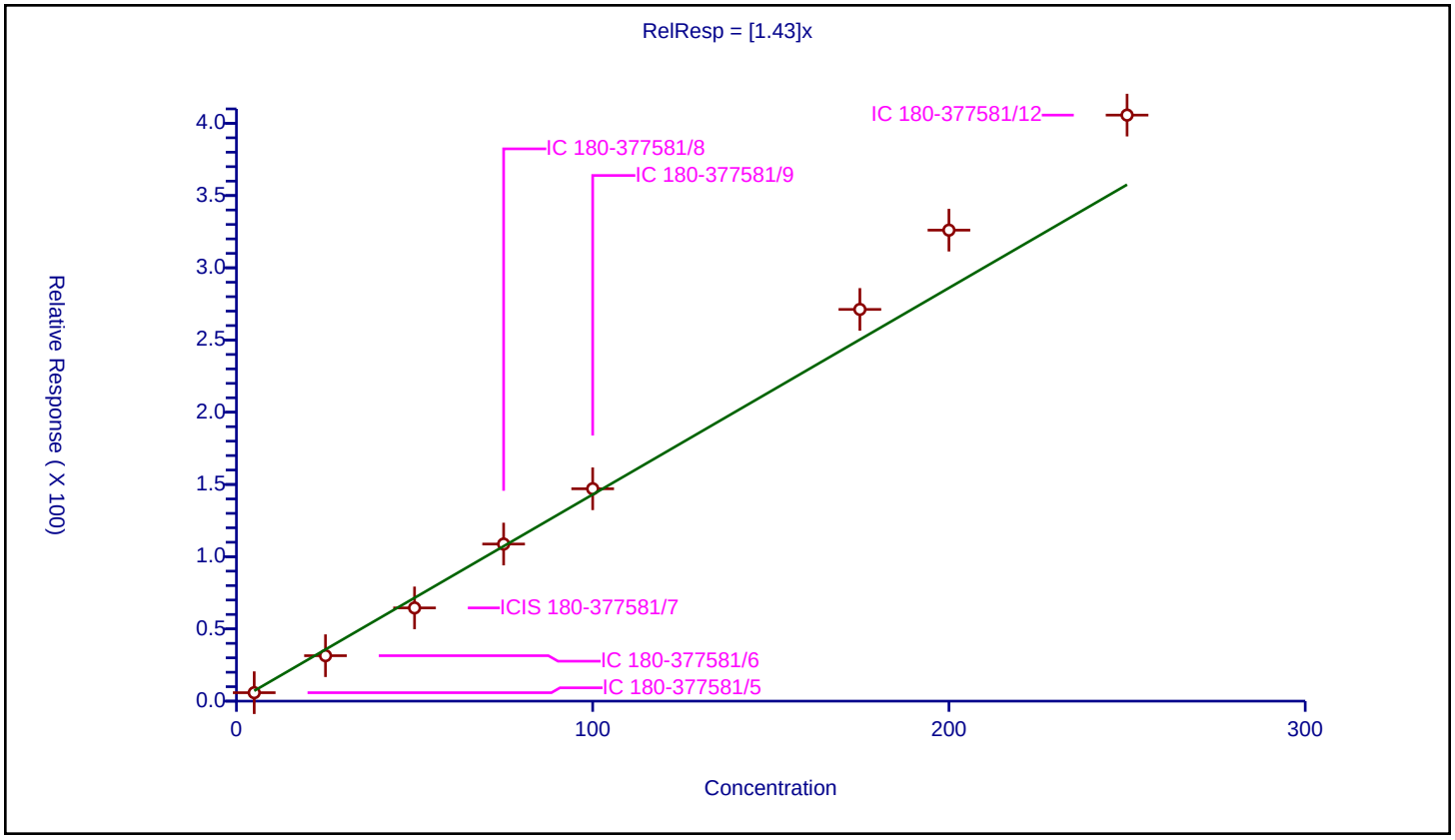
Curve Coefficients

Intercept:	0
Slope:	1.43

Error Coefficients

Standard Error:	531000
Relative Standard Error:	12.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	5.84819	50.0	94961.0	1.169638	Y
2	IC 180-377581/6	25.0	31.470367	50.0	98472.0	1.258815	Y
3	ICIS 180-377581/7	50.0	64.542022	50.0	103280.0	1.29084	Y
4	IC 180-377581/8	75.0	108.74953	50.0	103657.0	1.449994	Y
5	IC 180-377581/9	100.0	147.023131	50.0	99131.0	1.470231	Y
6	IC 180-377581/10	175.0	271.180324	50.0	106259.0	1.549602	Y
7	IC 180-377581/11	200.0	326.049359	50.0	114022.0	1.630247	Y
8	IC 180-377581/12	250.0	405.706378	50.0	118867.0	1.622826	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

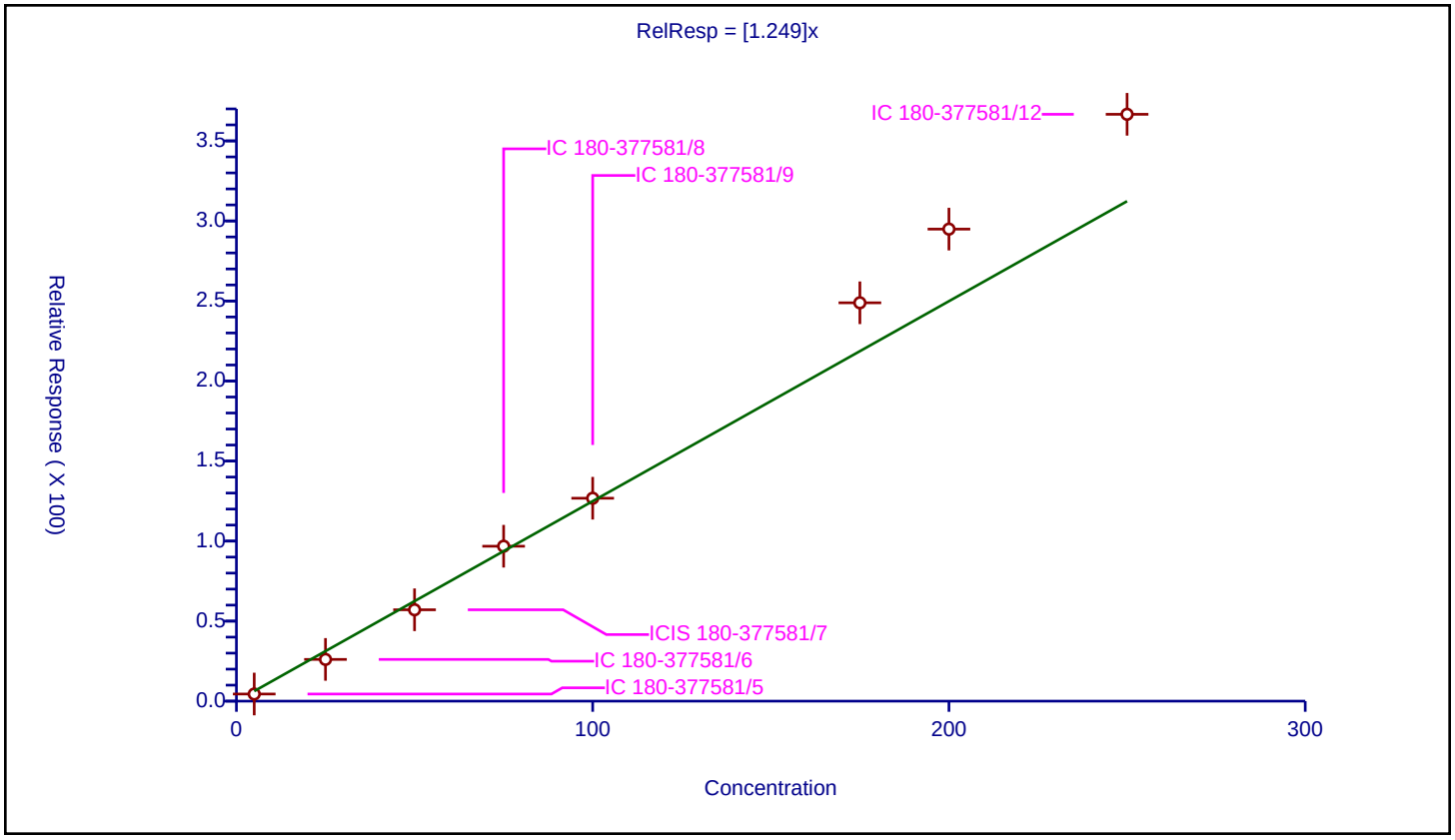
Curve Coefficients

Intercept:	0
Slope:	1.249

Error Coefficients

Standard Error:	480000
Relative Standard Error:	16.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.446036	50.0	94961.0	0.889207	Y
2	IC 180-377581/6	25.0	26.061215	50.0	98472.0	1.042449	Y
3	ICIS 180-377581/7	50.0	57.073974	50.0	103280.0	1.141479	Y
4	IC 180-377581/8	75.0	96.788929	50.0	103657.0	1.290519	Y
5	IC 180-377581/9	100.0	126.761558	50.0	99131.0	1.267616	Y
6	IC 180-377581/10	175.0	248.860802	50.0	106259.0	1.422062	Y
7	IC 180-377581/11	200.0	294.894845	50.0	114022.0	1.474474	Y
8	IC 180-377581/12	250.0	366.625304	50.0	118867.0	1.466501	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

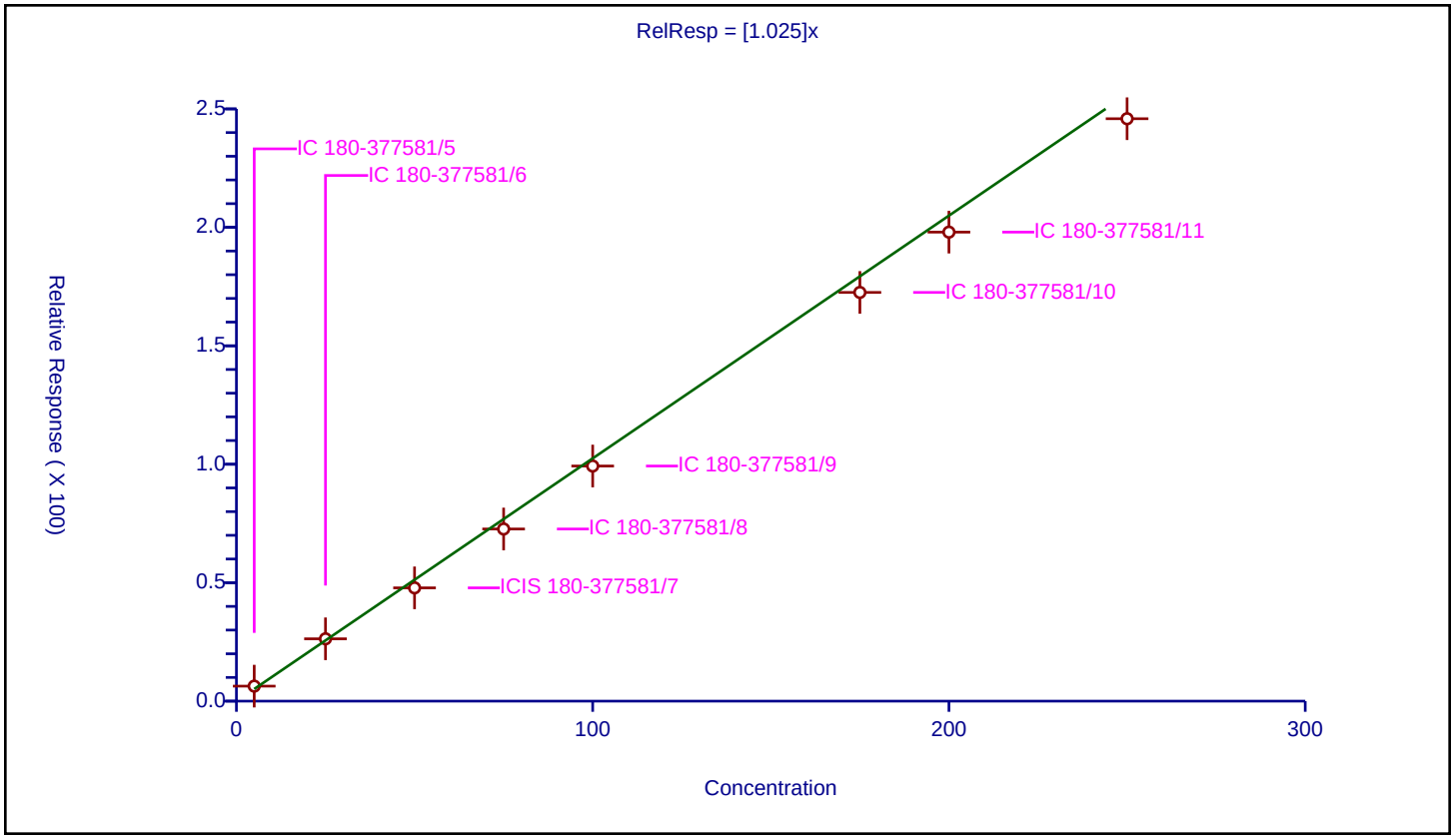
Curve Coefficients

Intercept:	0
Slope:	1.025

Error Coefficients

Standard Error:	328000
Relative Standard Error:	10.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	6.339971	50.0	94961.0	1.267994	Y
2	IC 180-377581/6	25.0	26.31154	50.0	98472.0	1.052462	Y
3	ICIS 180-377581/7	50.0	47.818552	50.0	103280.0	0.956371	Y
4	IC 180-377581/8	75.0	72.670442	50.0	103657.0	0.968939	Y
5	IC 180-377581/9	100.0	99.244434	50.0	99131.0	0.992444	Y
6	IC 180-377581/10	175.0	172.521386	50.0	106259.0	0.985836	Y
7	IC 180-377581/11	200.0	197.975829	50.0	114022.0	0.989879	Y
8	IC 180-377581/12	250.0	245.856714	50.0	118867.0	0.983427	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

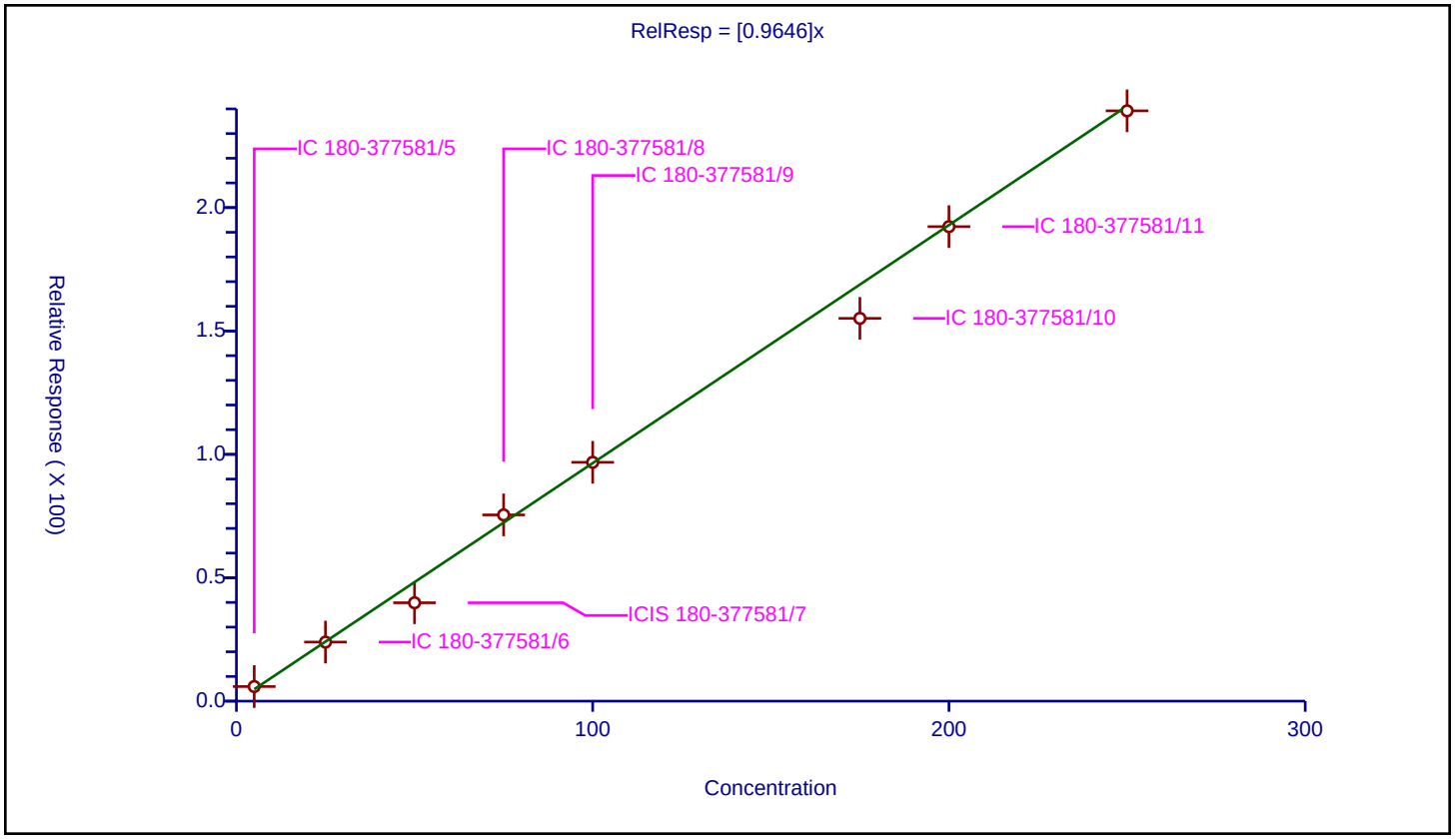
Curve Coefficients

Intercept:	0
Slope:	0.9646

Error Coefficients

Standard Error:	315000
Relative Standard Error:	11.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	5.916639	50.0	94961.0	1.183328	Y
2	IC 180-377581/6	25.0	23.931168	50.0	98472.0	0.957247	Y
3	ICIS 180-377581/7	50.0	39.860573	50.0	103280.0	0.797211	Y
4	IC 180-377581/8	75.0	75.471507	50.0	103657.0	1.006287	Y
5	IC 180-377581/9	100.0	96.777496	50.0	99131.0	0.967775	Y
6	IC 180-377581/10	175.0	155.109685	50.0	106259.0	0.886341	Y
7	IC 180-377581/11	200.0	192.281314	50.0	114022.0	0.961407	Y
8	IC 180-377581/12	250.0	239.213995	50.0	118867.0	0.956856	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

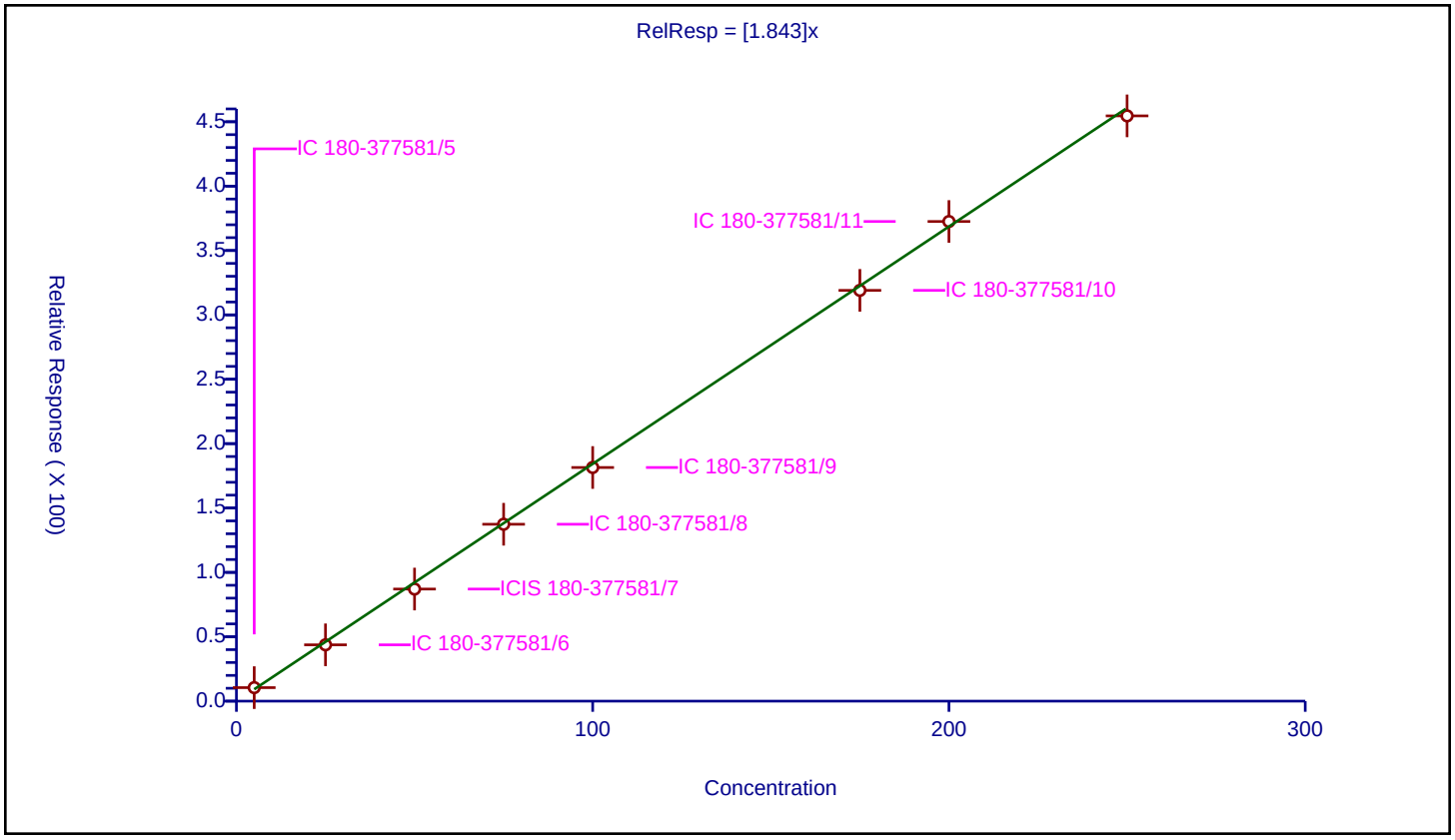
Curve Coefficients

Intercept:	0
Slope:	1.843

Error Coefficients

Standard Error:	609000
Relative Standard Error:	6.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	10.505892	50.0	94961.0	2.101178	Y
2	IC 180-377581/6	25.0	43.750508	50.0	98472.0	1.75002	Y
3	ICIS 180-377581/7	50.0	87.065744	50.0	103280.0	1.741315	Y
4	IC 180-377581/8	75.0	137.380978	50.0	103657.0	1.831746	Y
5	IC 180-377581/9	100.0	181.470478	50.0	99131.0	1.814705	Y
6	IC 180-377581/10	175.0	319.046857	50.0	106259.0	1.823125	Y
7	IC 180-377581/11	200.0	372.53644	50.0	114022.0	1.862682	Y
8	IC 180-377581/12	250.0	454.582432	50.0	118867.0	1.81833	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

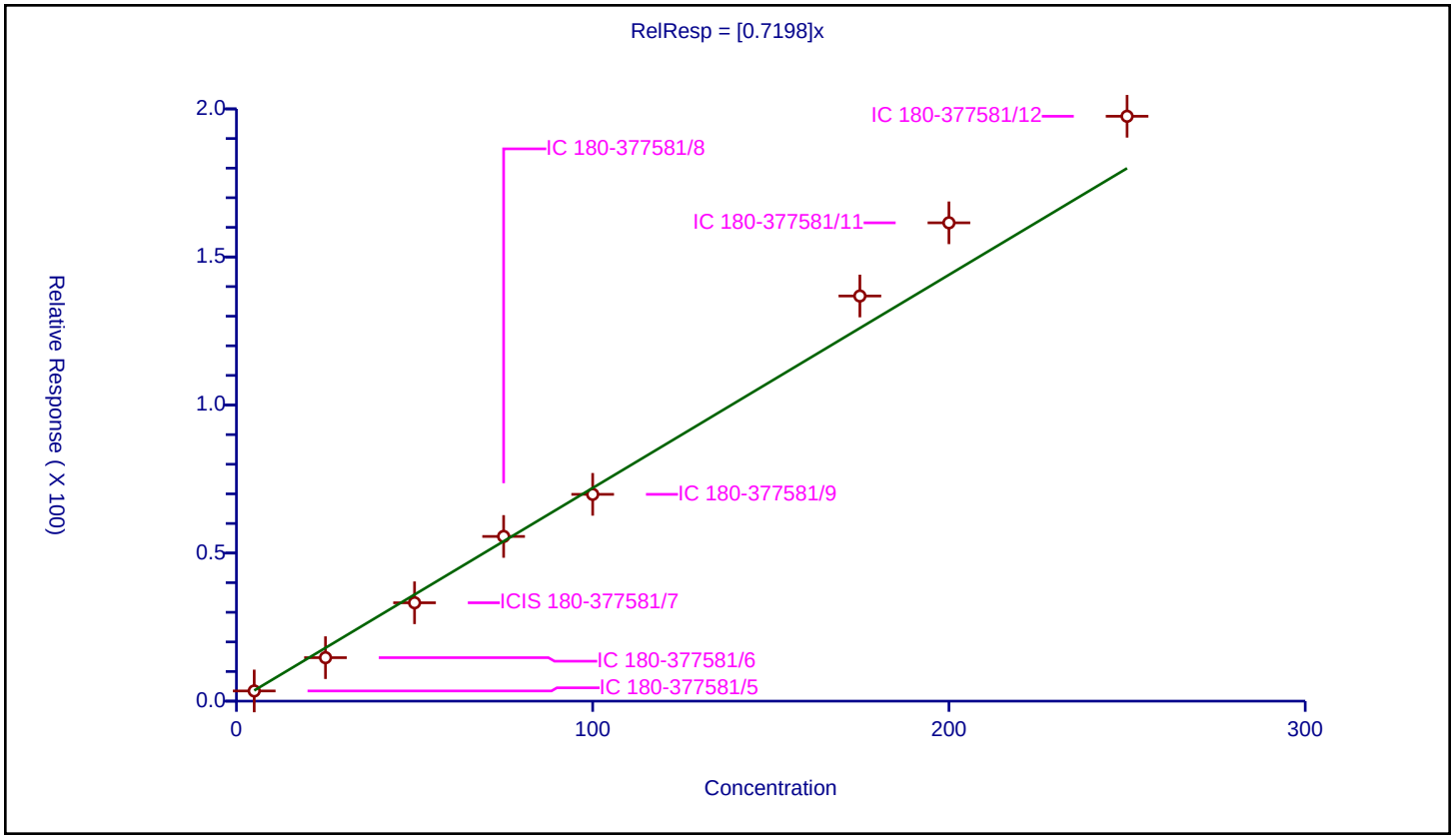
Curve Coefficients

Intercept:	0
Slope:	0.7198

Error Coefficients

Standard Error:	261000
Relative Standard Error:	10.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.437201	50.0	94961.0	0.68744	Y
2	IC 180-377581/6	25.0	14.6793	50.0	98472.0	0.587172	Y
3	ICIS 180-377581/7	50.0	33.223761	50.0	103280.0	0.664475	Y
4	IC 180-377581/8	75.0	55.616601	50.0	103657.0	0.741555	Y
5	IC 180-377581/9	100.0	69.835369	50.0	99131.0	0.698354	Y
6	IC 180-377581/10	175.0	136.815705	50.0	106259.0	0.781804	Y
7	IC 180-377581/11	200.0	161.5276	50.0	114022.0	0.807638	Y
8	IC 180-377581/12	250.0	197.508139	50.0	118867.0	0.790033	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

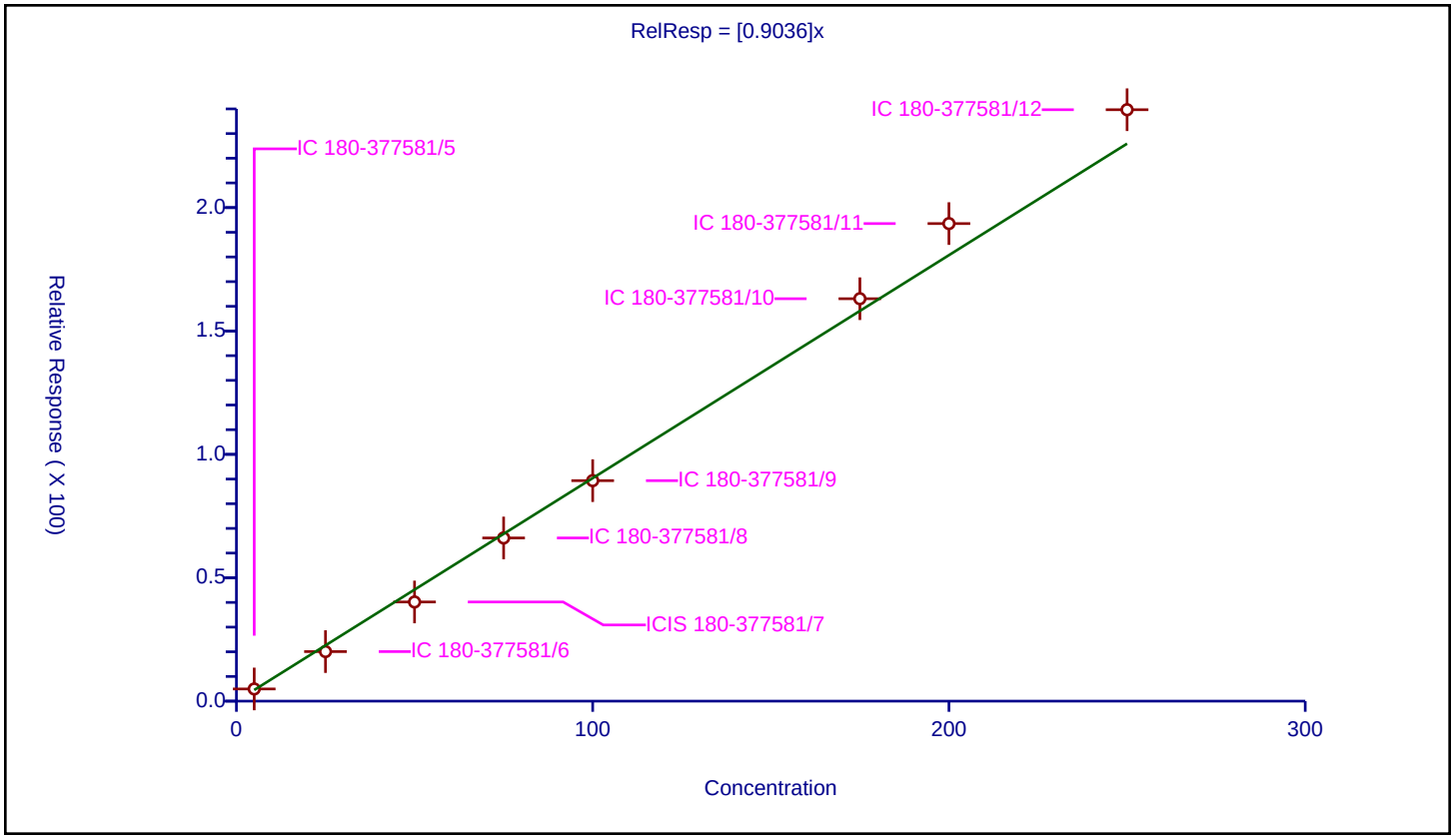
Curve Coefficients

Intercept:	0
Slope:	0.9036

Error Coefficients

Standard Error:	316000
Relative Standard Error:	7.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.943082	50.0	94961.0	0.988616	Y
2	IC 180-377581/6	25.0	20.083374	50.0	98472.0	0.803335	Y
3	ICIS 180-377581/7	50.0	40.187839	50.0	103280.0	0.803757	Y
4	IC 180-377581/8	75.0	66.124815	50.0	103657.0	0.881664	Y
5	IC 180-377581/9	100.0	89.34642	50.0	99131.0	0.893464	Y
6	IC 180-377581/10	175.0	163.080304	50.0	106259.0	0.931887	Y
7	IC 180-377581/11	200.0	193.52318	50.0	114022.0	0.967616	Y
8	IC 180-377581/12	250.0	239.664078	50.0	118867.0	0.958656	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

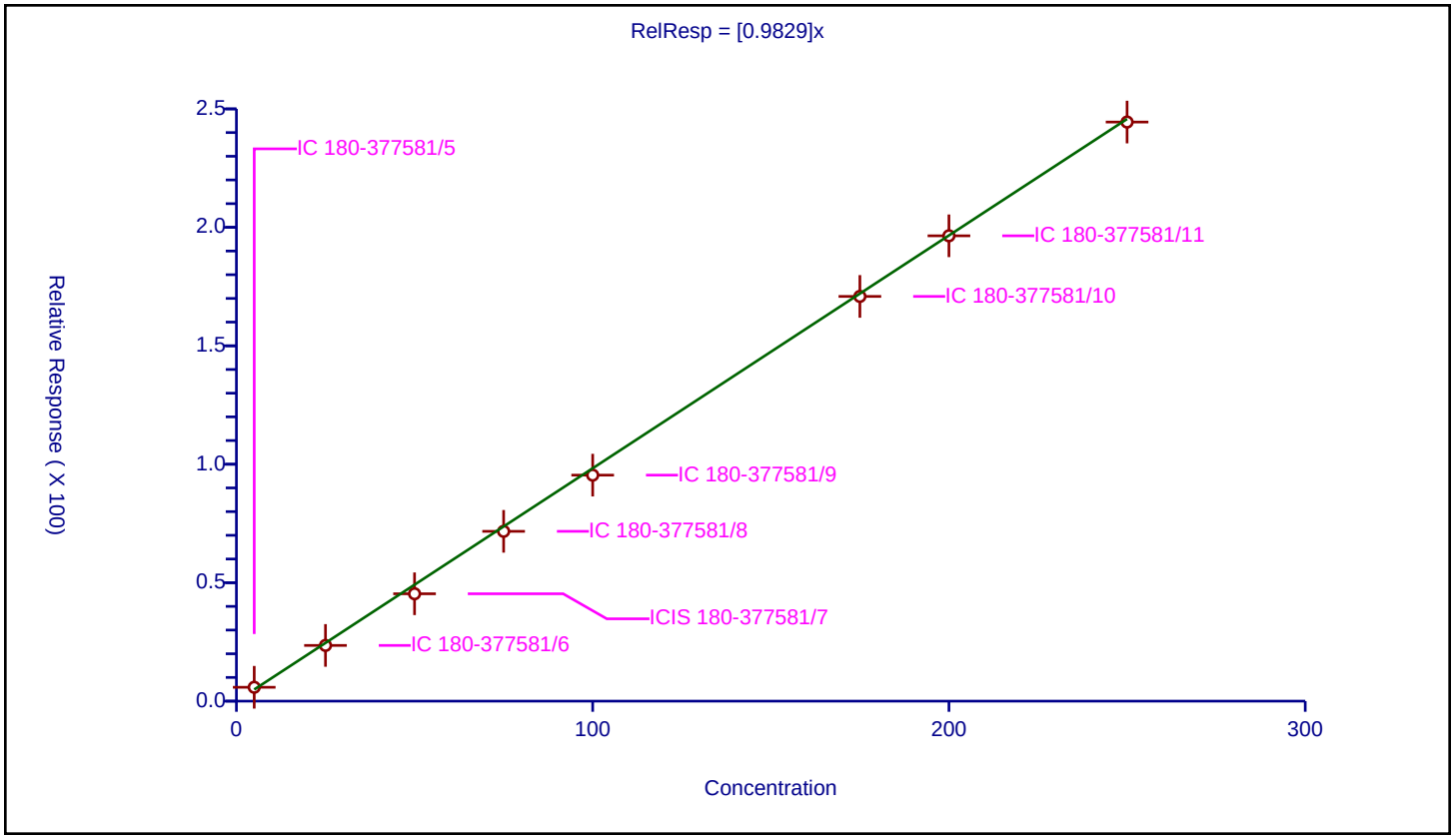
Curve Coefficients

Intercept:	0
Slope:	0.9829

Error Coefficients

Standard Error:	325000
Relative Standard Error:	8.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	5.851876	50.0	94961.0	1.170375	Y
2	IC 180-377581/6	25.0	23.519376	50.0	98472.0	0.940775	Y
3	ICIS 180-377581/7	50.0	45.32775	50.0	103280.0	0.906555	Y
4	IC 180-377581/8	75.0	71.674368	50.0	103657.0	0.955658	Y
5	IC 180-377581/9	100.0	95.401035	50.0	99131.0	0.95401	Y
6	IC 180-377581/10	175.0	170.844823	50.0	106259.0	0.976256	Y
7	IC 180-377581/11	200.0	196.423059	50.0	114022.0	0.982115	Y
8	IC 180-377581/12	250.0	244.444631	50.0	118867.0	0.977779	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

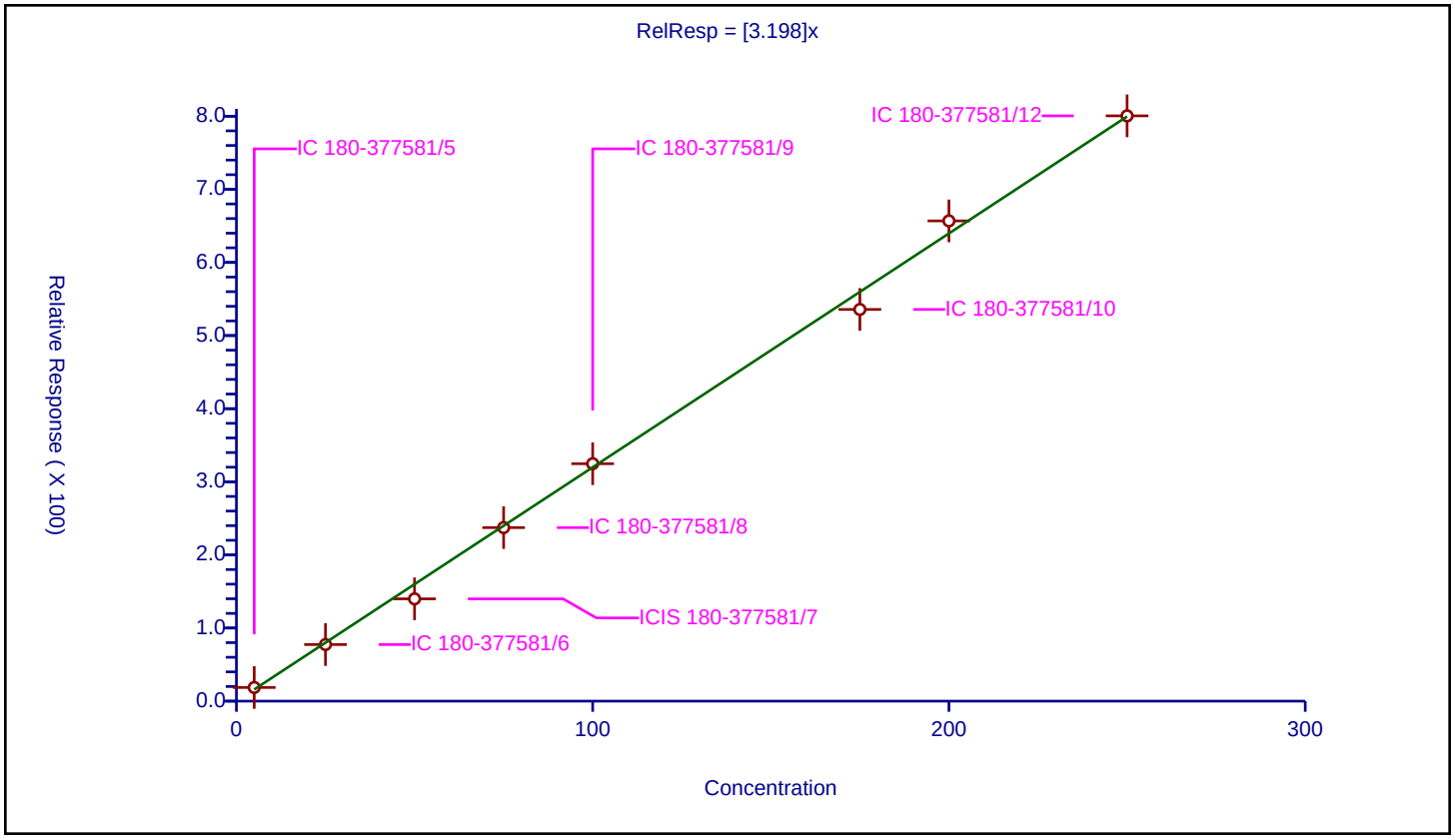
Curve Coefficients

Intercept:	0
Slope:	3.198

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	8.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	18.670296	50.0	94961.0	3.734059	Y
2	IC 180-377581/6	25.0	77.390019	50.0	98472.0	3.095601	Y
3	ICIS 180-377581/7	50.0	139.893493	50.0	103280.0	2.79787	Y
4	IC 180-377581/8	75.0	237.353965	50.0	103657.0	3.16472	Y
5	IC 180-377581/9	100.0	324.742008	50.0	99131.0	3.24742	Y
6	IC 180-377581/10	175.0	535.690624	50.0	106259.0	3.061089	Y
7	IC 180-377581/11	200.0	656.823245	50.0	114022.0	3.284116	Y
8	IC 180-377581/12	250.0	800.486678	50.0	118867.0	3.201947	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

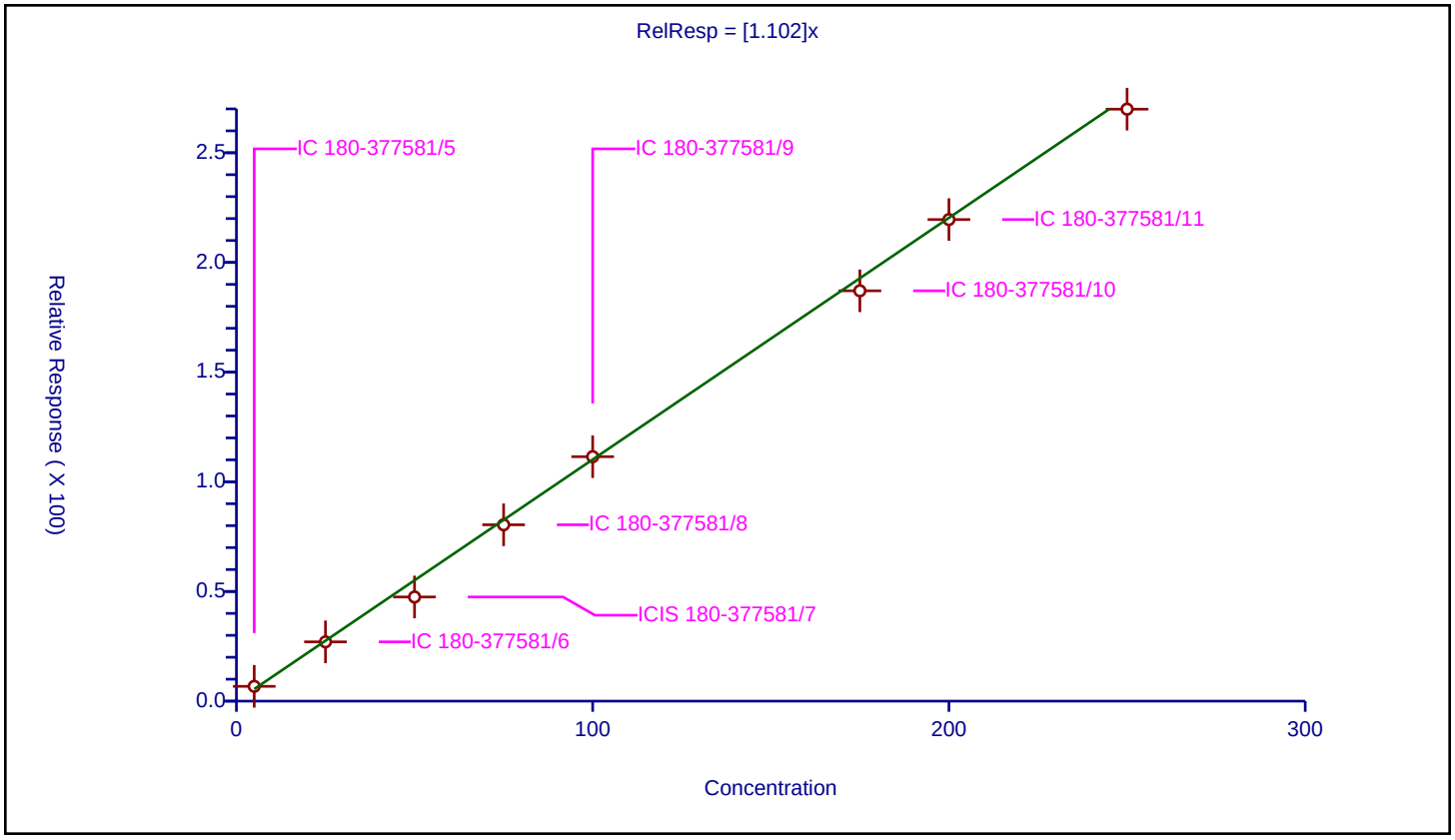
Curve Coefficients

Intercept:	0
Slope:	1.102

Error Coefficients

Standard Error:	360000
Relative Standard Error:	10.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	6.75014	50.0	94961.0	1.350028	Y
2	IC 180-377581/6	25.0	27.025449	50.0	98472.0	1.081018	Y
3	ICIS 180-377581/7	50.0	47.479183	50.0	103280.0	0.949584	Y
4	IC 180-377581/8	75.0	80.394474	50.0	103657.0	1.071926	Y
5	IC 180-377581/9	100.0	111.446974	50.0	99131.0	1.11447	Y
6	IC 180-377581/10	175.0	187.072154	50.0	106259.0	1.068984	Y
7	IC 180-377581/11	200.0	219.551052	50.0	114022.0	1.097755	Y
8	IC 180-377581/12	250.0	269.873472	50.0	118867.0	1.079494	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

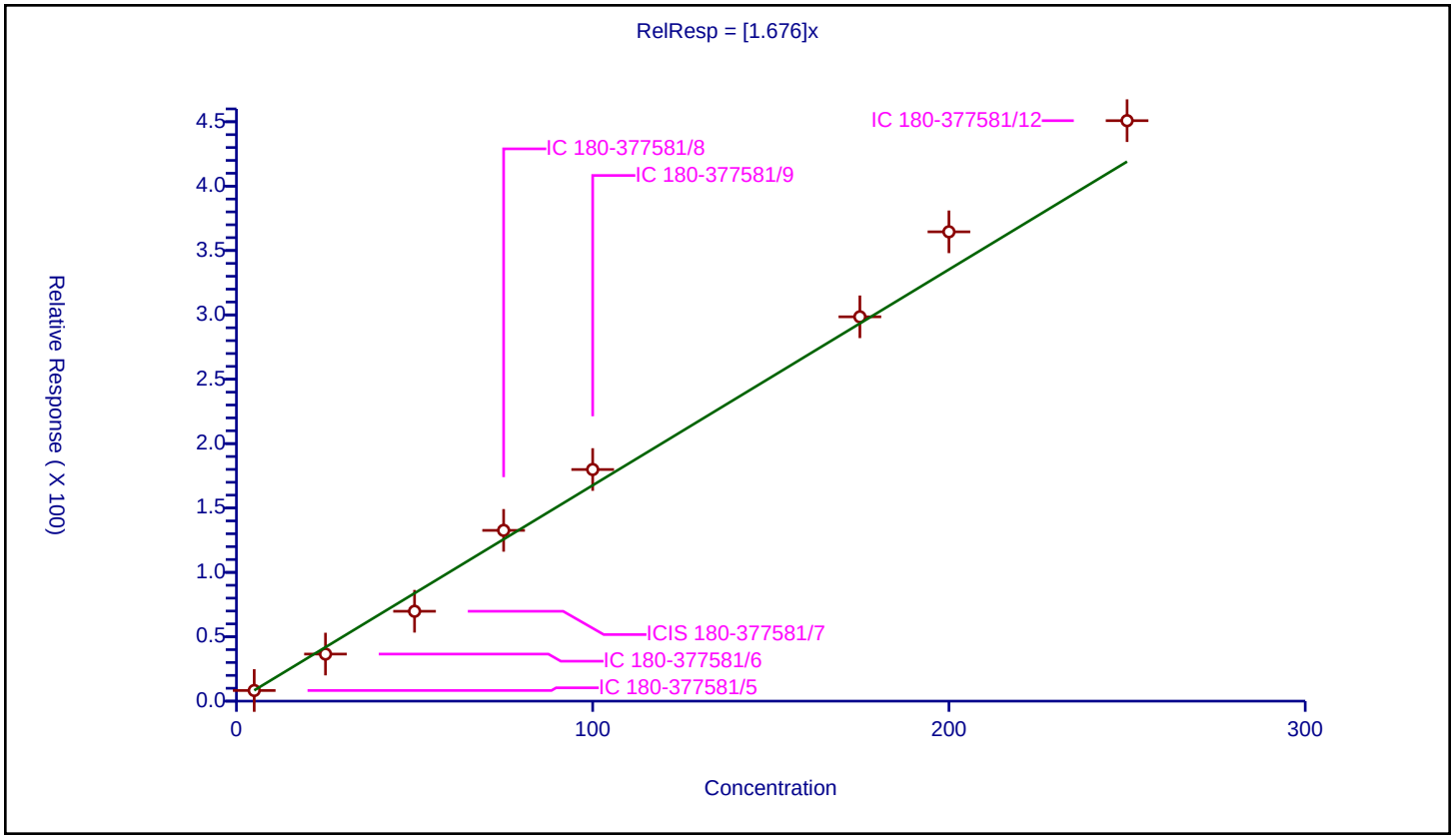
Curve Coefficients

Intercept:	0
Slope:	1.676

Error Coefficients

Standard Error:	594000
Relative Standard Error:	9.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	8.26076	50.0	94961.0	1.652152	Y
2	IC 180-377581/6	25.0	36.56217	50.0	98472.0	1.462487	Y
3	ICIS 180-377581/7	50.0	69.808772	50.0	103280.0	1.396175	Y
4	IC 180-377581/8	75.0	132.634072	50.0	103657.0	1.768454	Y
5	IC 180-377581/9	100.0	179.906891	50.0	99131.0	1.799069	Y
6	IC 180-377581/10	175.0	298.520125	50.0	106259.0	1.705829	Y
7	IC 180-377581/11	200.0	364.526144	50.0	114022.0	1.822631	Y
8	IC 180-377581/12	250.0	450.846324	50.0	118867.0	1.803385	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

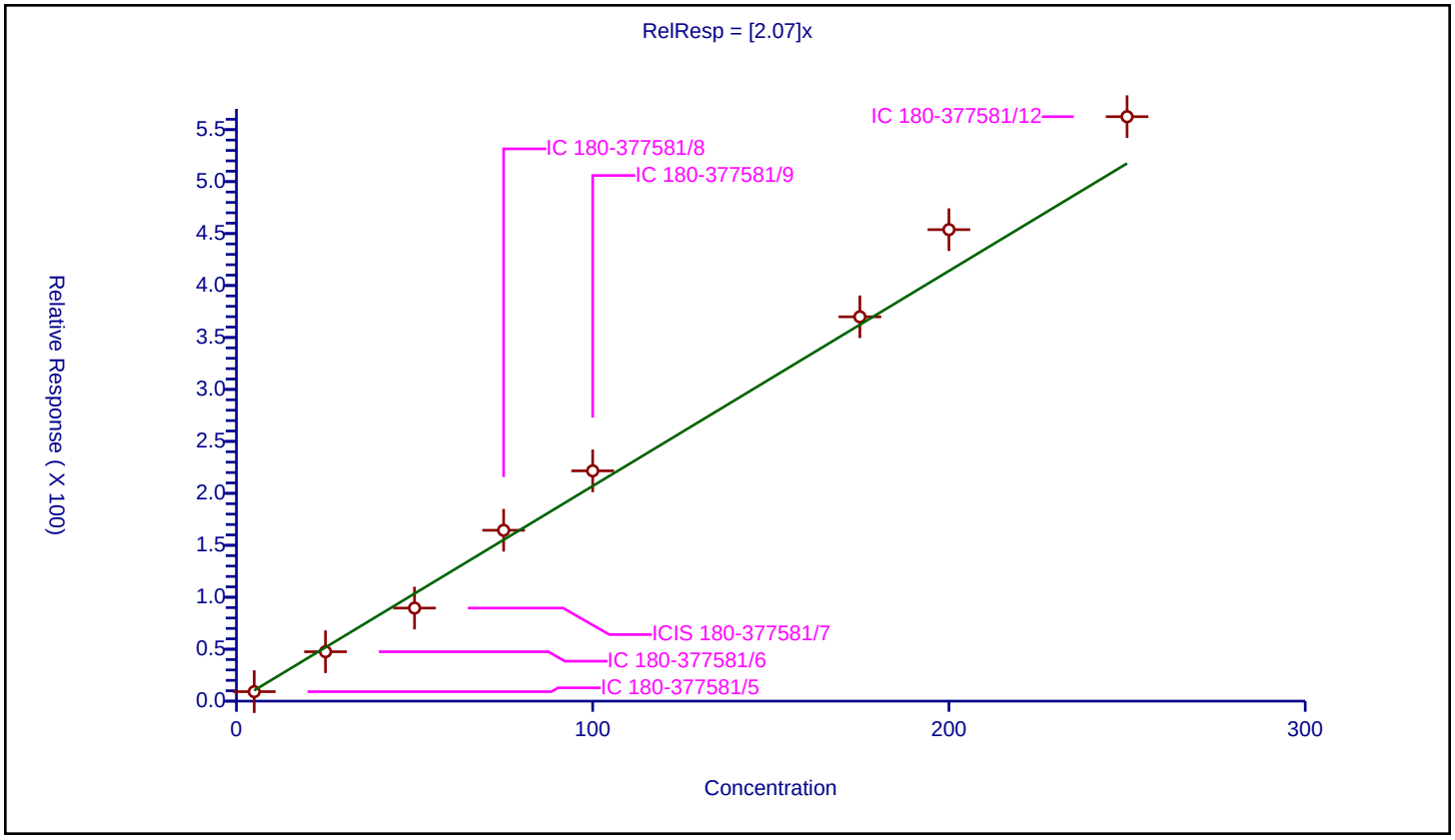
Curve Coefficients

Intercept:	0
Slope:	2.07

Error Coefficients

Standard Error:	739000
Relative Standard Error:	9.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	9.13059	50.0	94961.0	1.826118	Y
2	IC 180-377581/6	25.0	47.565806	50.0	98472.0	1.902632	Y
3	ICIS 180-377581/7	50.0	89.565744	50.0	103280.0	1.791315	Y
4	IC 180-377581/8	75.0	164.451508	50.0	103657.0	2.192687	Y
5	IC 180-377581/9	100.0	221.638035	50.0	99131.0	2.21638	Y
6	IC 180-377581/10	175.0	369.896668	50.0	106259.0	2.113695	Y
7	IC 180-377581/11	200.0	453.767255	50.0	114022.0	2.268836	Y
8	IC 180-377581/12	250.0	562.515669	50.0	118867.0	2.250063	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

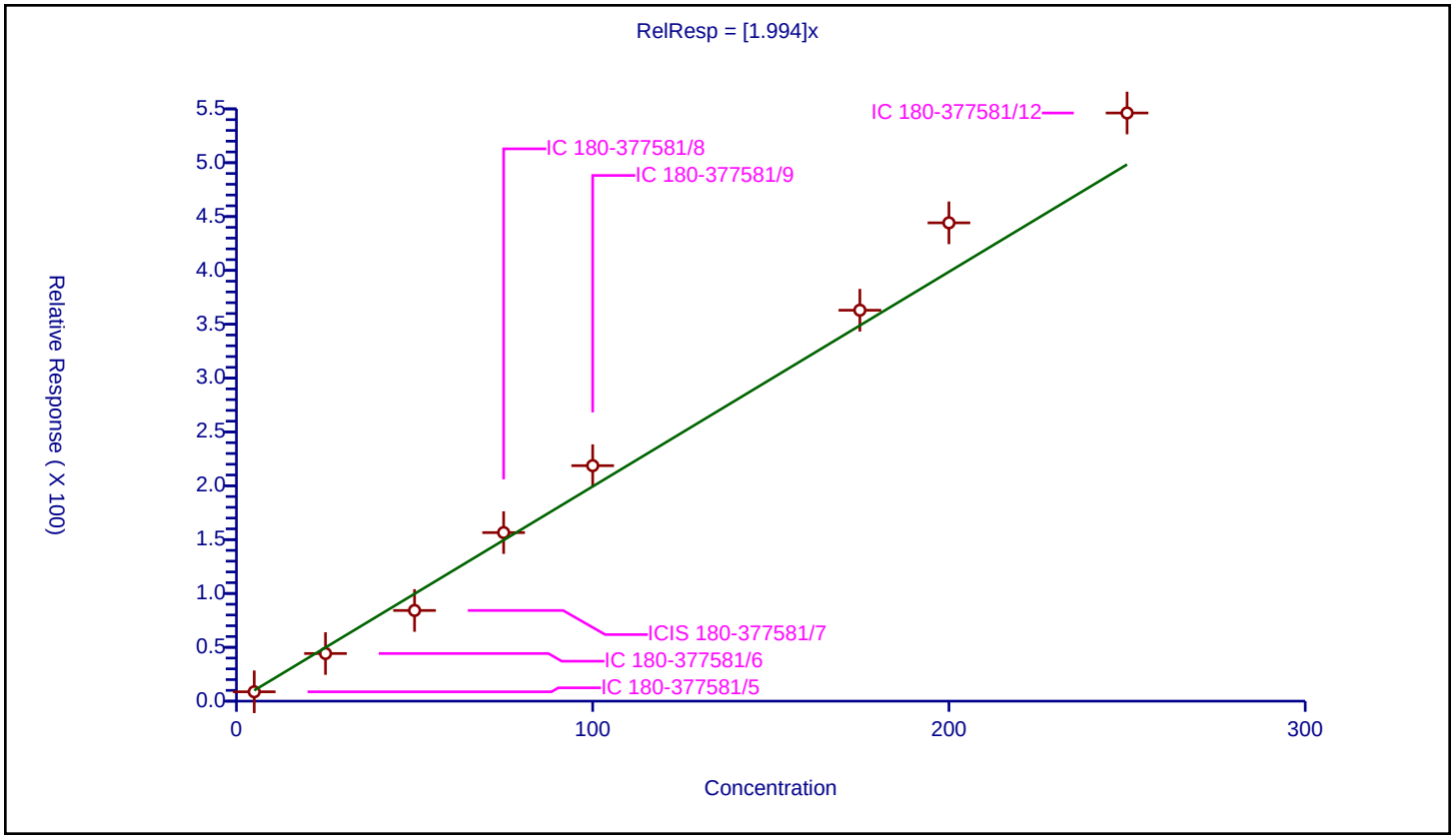
Curve Coefficients

Intercept:	0
Slope:	1.994

Error Coefficients

Standard Error:	721000
Relative Standard Error:	11.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	8.70094	50.0	94961.0	1.740188	Y
2	IC 180-377581/6	25.0	44.243541	50.0	98472.0	1.769742	Y
3	ICIS 180-377581/7	50.0	84.217177	50.0	103280.0	1.684344	Y
4	IC 180-377581/8	75.0	156.520544	50.0	103657.0	2.086941	Y
5	IC 180-377581/9	100.0	218.686385	50.0	99131.0	2.186864	Y
6	IC 180-377581/10	175.0	363.044542	50.0	106259.0	2.07454	Y
7	IC 180-377581/11	200.0	444.18621	50.0	114022.0	2.220931	Y
8	IC 180-377581/12	250.0	546.182288	50.0	118867.0	2.184729	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

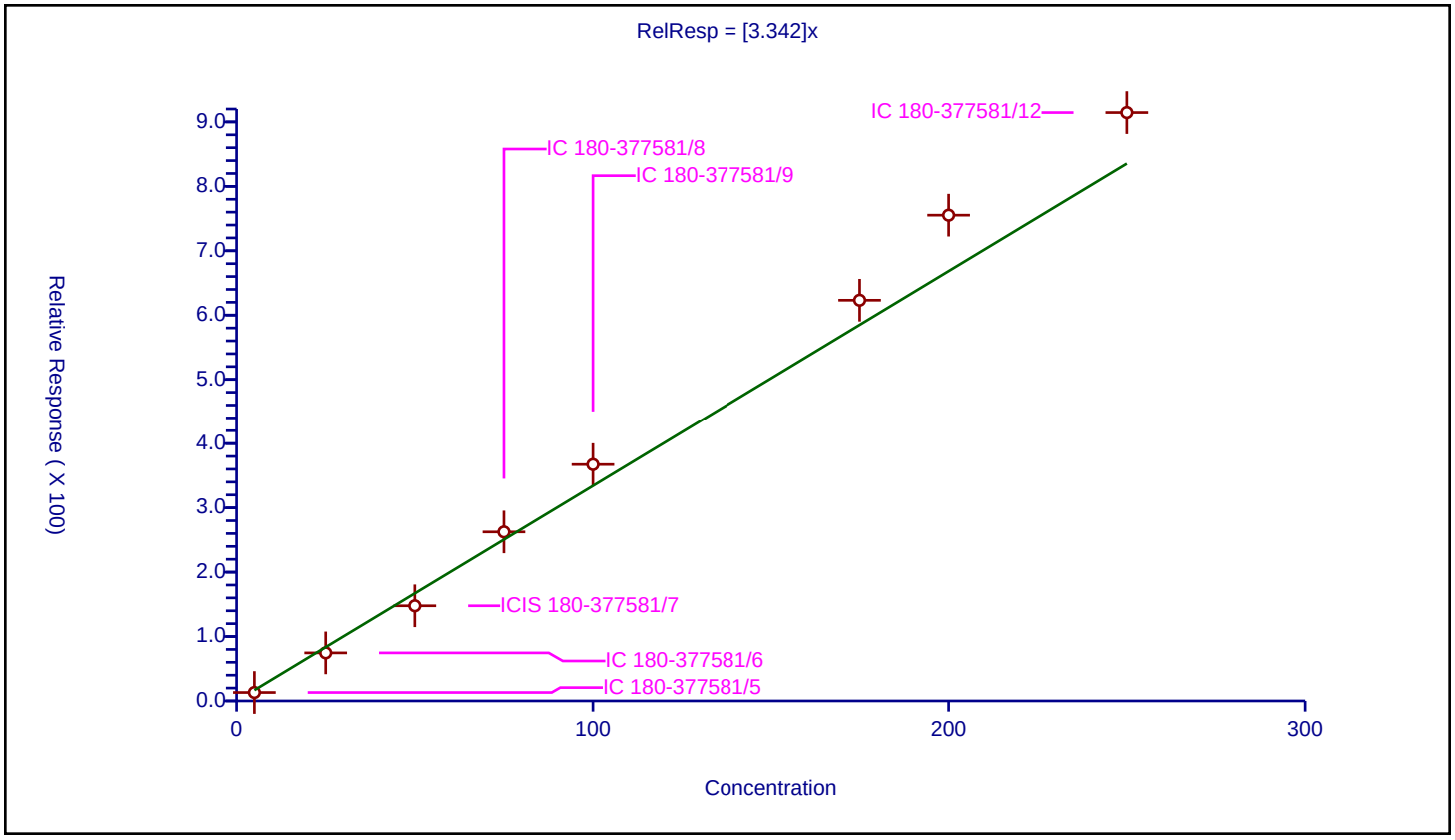
Curve Coefficients

Intercept:	0
Slope:	3.342

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	12.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	13.110119	50.0	94961.0	2.622024	Y
2	IC 180-377581/6	25.0	74.62629	50.0	98472.0	2.985052	Y
3	ICIS 180-377581/7	50.0	147.775465	50.0	103280.0	2.955509	Y
4	IC 180-377581/8	75.0	262.546186	50.0	103657.0	3.500616	Y
5	IC 180-377581/9	100.0	367.375997	50.0	99131.0	3.67376	Y
6	IC 180-377581/10	175.0	623.205564	50.0	106259.0	3.561175	Y
7	IC 180-377581/11	200.0	755.298977	50.0	114022.0	3.776495	Y
8	IC 180-377581/12	250.0	914.51328	50.0	118867.0	3.658053	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

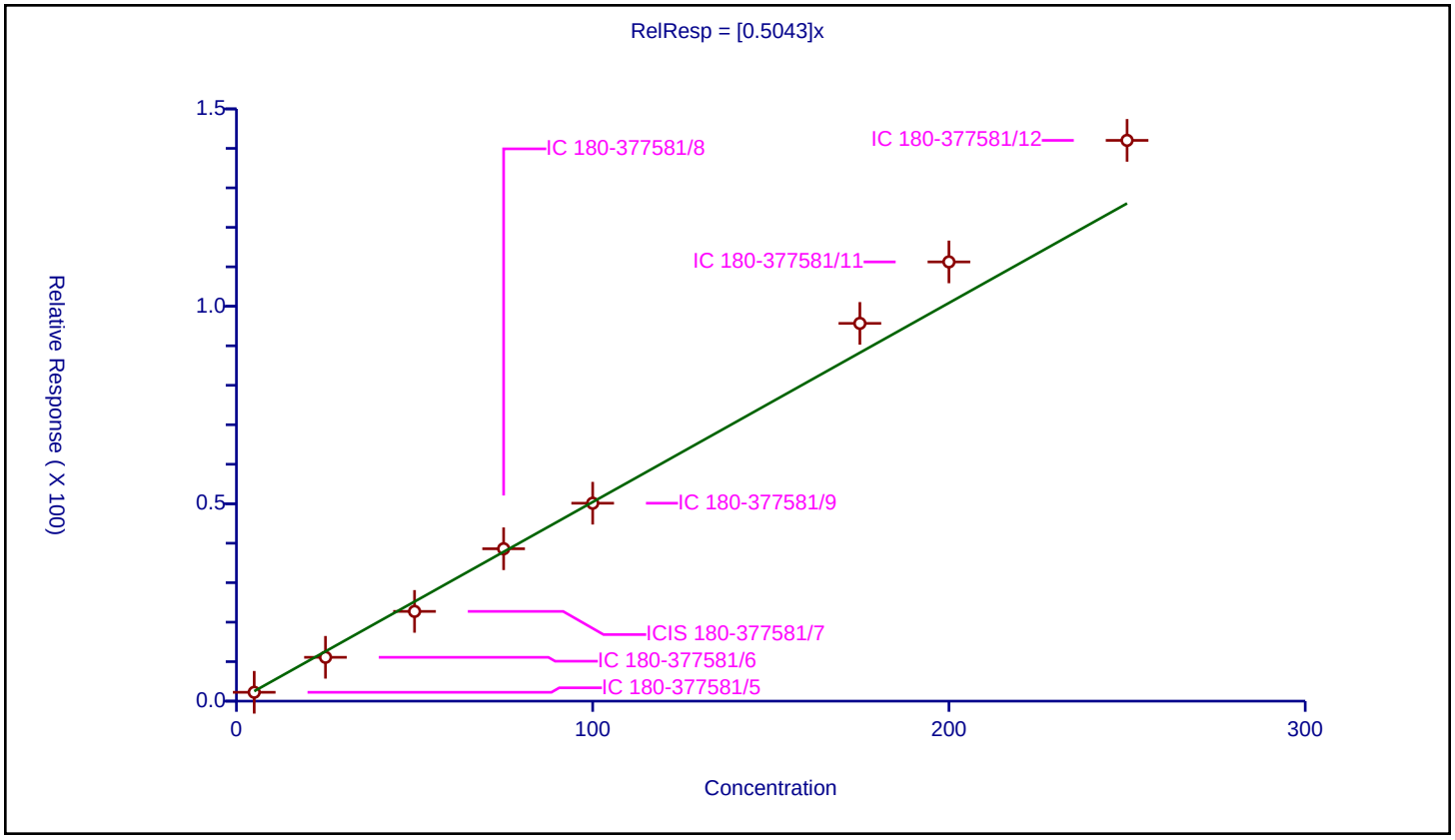
Curve Coefficients

Intercept:	0
Slope:	0.5043

Error Coefficients

Standard Error:	185000
Relative Standard Error:	10.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	2.2425	50.0	94961.0	0.4485	Y
2	IC 180-377581/6	25.0	11.102141	50.0	98472.0	0.444086	Y
3	ICIS 180-377581/7	50.0	22.726569	50.0	103280.0	0.454531	Y
4	IC 180-377581/8	75.0	38.598455	50.0	103657.0	0.514646	Y
5	IC 180-377581/9	100.0	50.13114	50.0	99131.0	0.501311	Y
6	IC 180-377581/10	175.0	95.67566	50.0	106259.0	0.546718	Y
7	IC 180-377581/11	200.0	111.247829	50.0	114022.0	0.556239	Y
8	IC 180-377581/12	250.0	142.029327	50.0	118867.0	0.568117	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

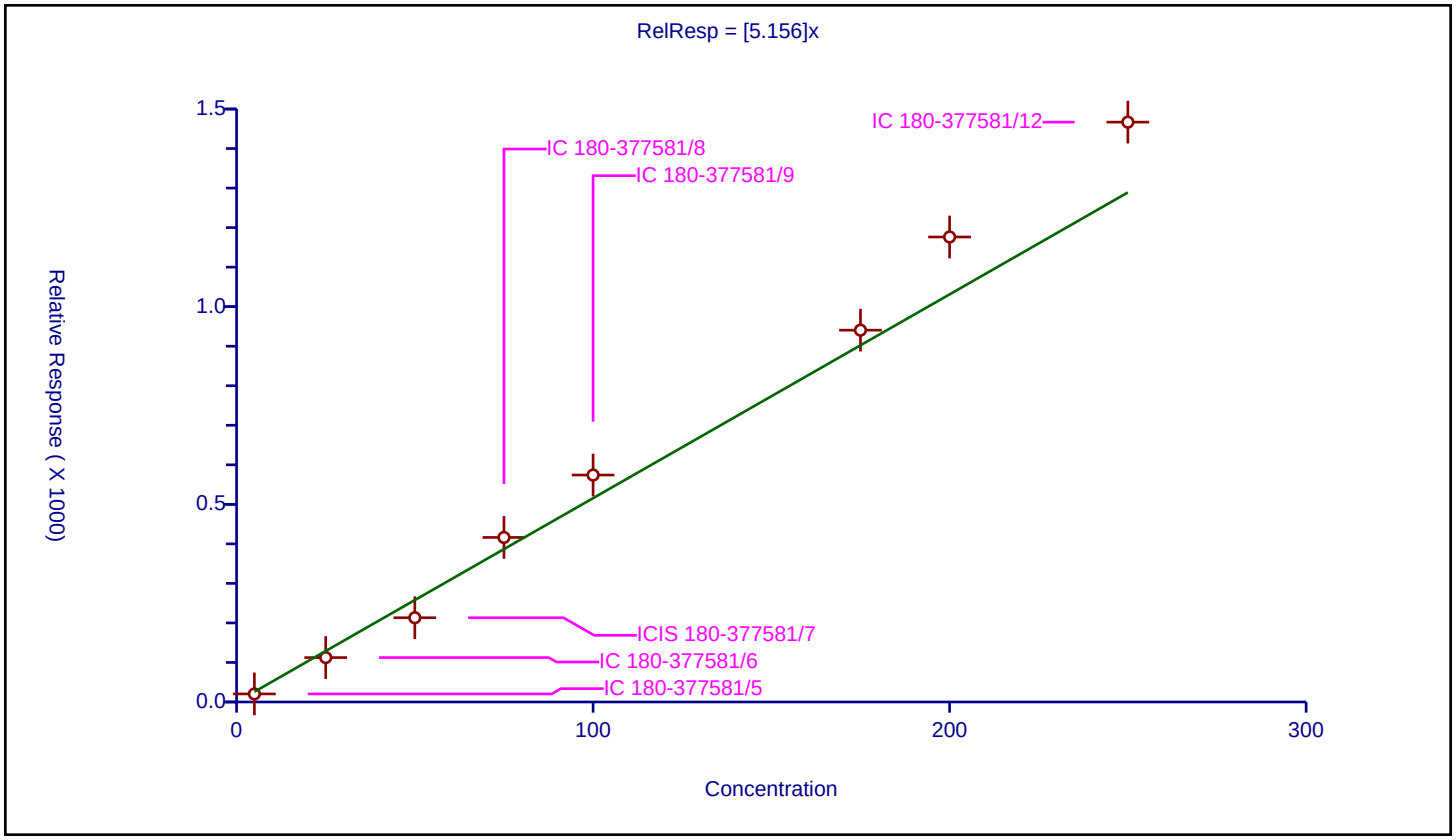
Curve Coefficients

Intercept:	0
Slope:	5.156

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	14.6
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	20.373627	50.0	94961.0	4.074725	Y
2	IC 180-377581/6	25.0	112.365444	50.0	98472.0	4.494618	Y
3	ICIS 180-377581/7	50.0	213.115802	50.0	103280.0	4.262316	Y
4	IC 180-377581/8	75.0	416.210676	50.0	103657.0	5.549476	Y
5	IC 180-377581/9	100.0	574.08631	50.0	99131.0	5.740863	Y
6	IC 180-377581/10	175.0	940.596091	50.0	106259.0	5.374835	Y
7	IC 180-377581/11	200.0	1176.259845	50.0	114022.0	5.881299	Y
8	IC 180-377581/12	250.0	1466.817956	50.0	118867.0	5.867272	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

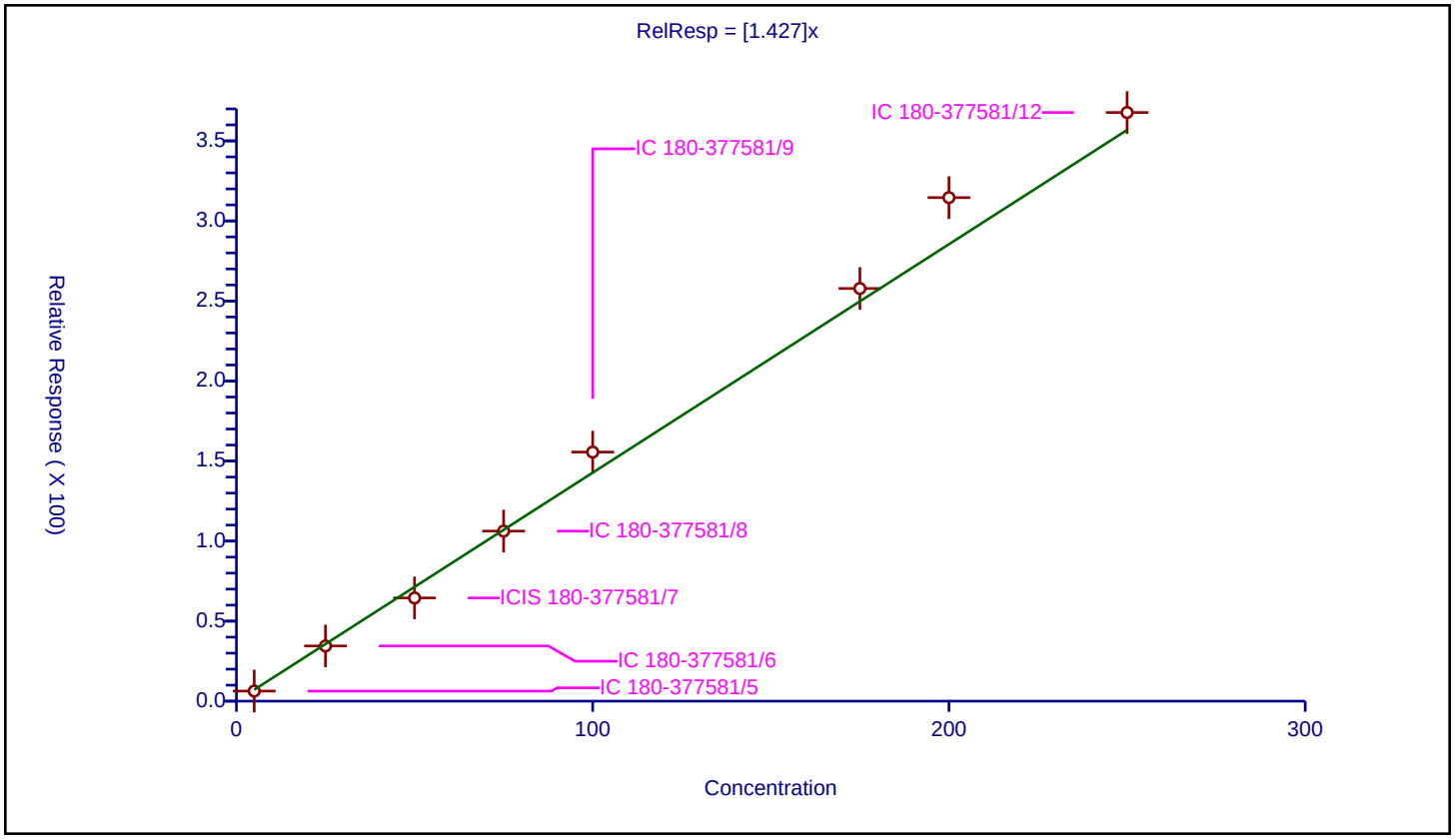
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	499000
Relative Standard Error:	8.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	6.299428	50.0	94961.0	1.259886	Y
2	IC 180-377581/6	25.0	34.474775	50.0	98472.0	1.378991	Y
3	ICIS 180-377581/7	50.0	64.462142	50.0	103280.0	1.289243	Y
4	IC 180-377581/8	75.0	106.23161	50.0	103657.0	1.416421	Y
5	IC 180-377581/9	100.0	155.604201	50.0	99131.0	1.556042	Y
6	IC 180-377581/10	175.0	257.798869	50.0	106259.0	1.473136	Y
7	IC 180-377581/11	200.0	314.570872	50.0	114022.0	1.572854	Y
8	IC 180-377581/12	250.0	367.734527	50.0	118867.0	1.470938	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

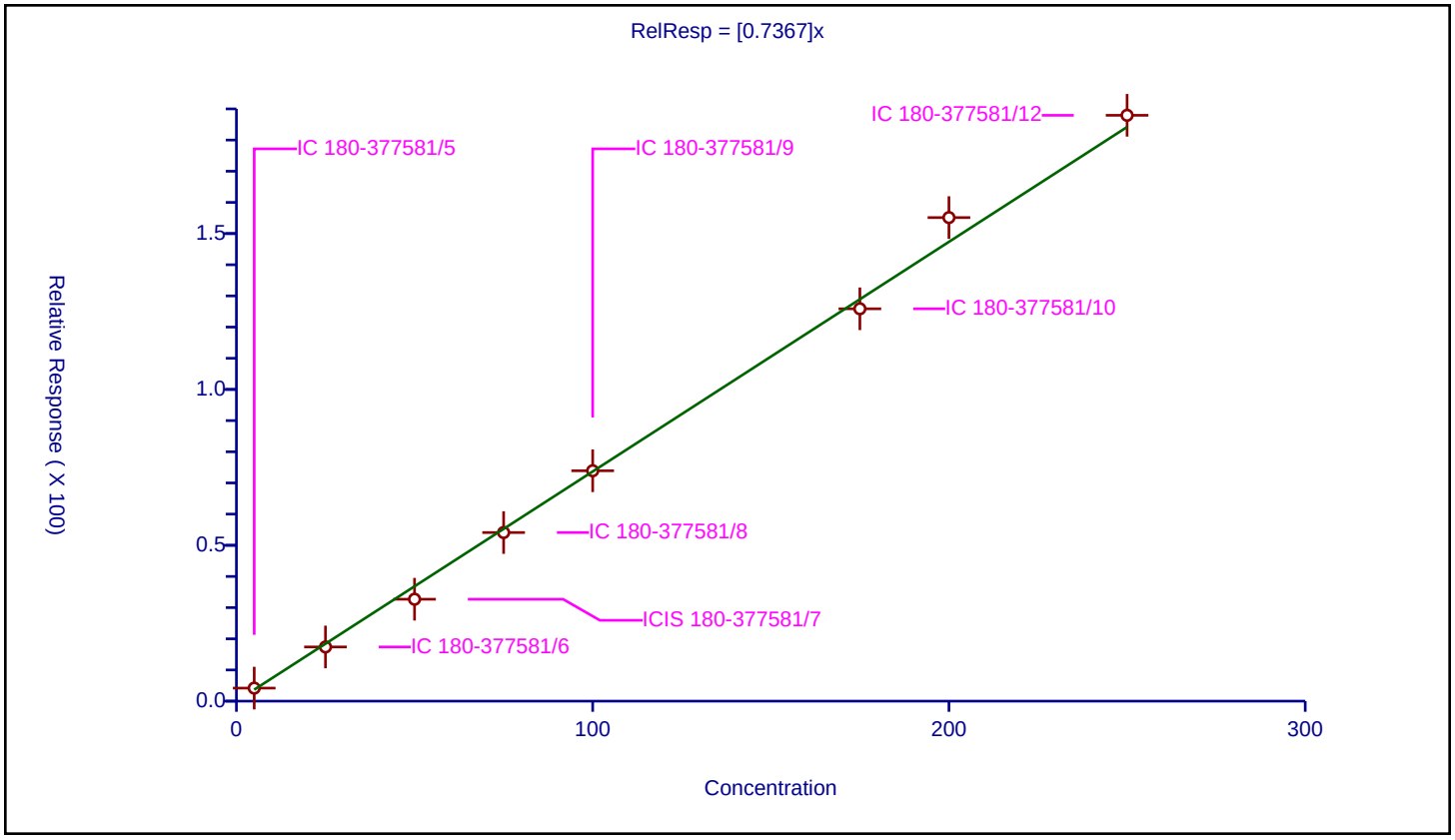
Curve Coefficients

Intercept:	0
Slope:	0.7367

Error Coefficients

Standard Error:	449000
Relative Standard Error:	7.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.186362	50.0	156126.0	0.837272	Y
2	IC 180-377581/6	25.0	17.387992	50.0	177197.0	0.69552	Y
3	ICIS 180-377581/7	50.0	32.695251	50.0	186862.0	0.653905	Y
4	IC 180-377581/8	75.0	54.089154	50.0	191959.0	0.721189	Y
5	IC 180-377581/9	100.0	73.909927	50.0	186960.0	0.739099	Y
6	IC 180-377581/10	175.0	125.876789	50.0	195372.0	0.719296	Y
7	IC 180-377581/11	200.0	155.127022	50.0	202603.0	0.775635	Y
8	IC 180-377581/12	250.0	187.944626	50.0	212482.0	0.751779	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

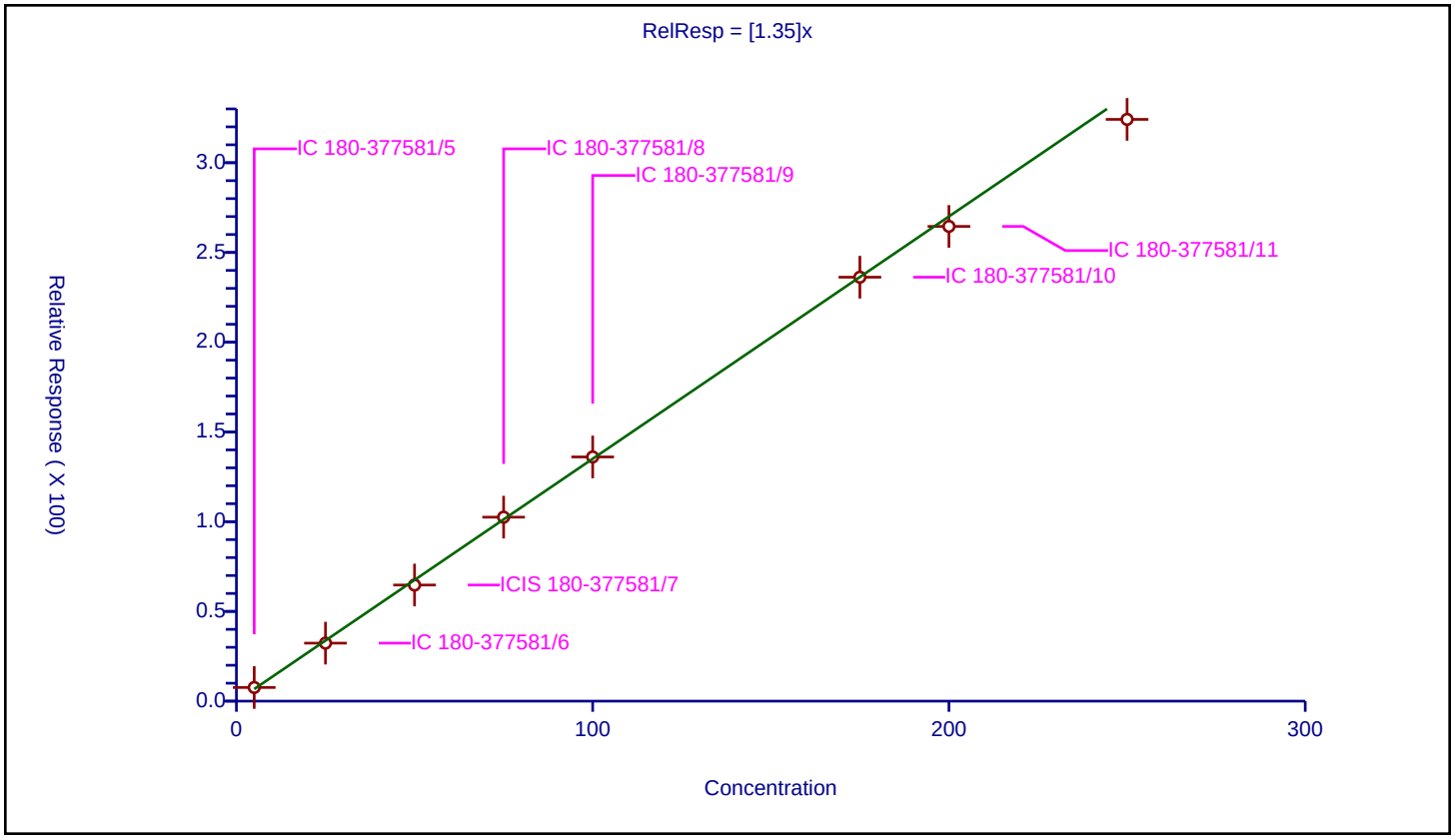
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Standard Error:	439000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	7.598909	50.0	94961.0	1.519782	Y
2	IC 180-377581/6	25.0	32.317816	50.0	98472.0	1.292713	Y
3	ICIS 180-377581/7	50.0	64.702266	50.0	103280.0	1.294045	Y
4	IC 180-377581/8	75.0	102.514543	50.0	103657.0	1.366861	Y
5	IC 180-377581/9	100.0	136.070452	50.0	99131.0	1.360705	Y
6	IC 180-377581/10	175.0	236.216226	50.0	106259.0	1.349807	Y
7	IC 180-377581/11	200.0	264.525706	50.0	114022.0	1.322629	Y
8	IC 180-377581/12	250.0	324.158093	50.0	118867.0	1.296632	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

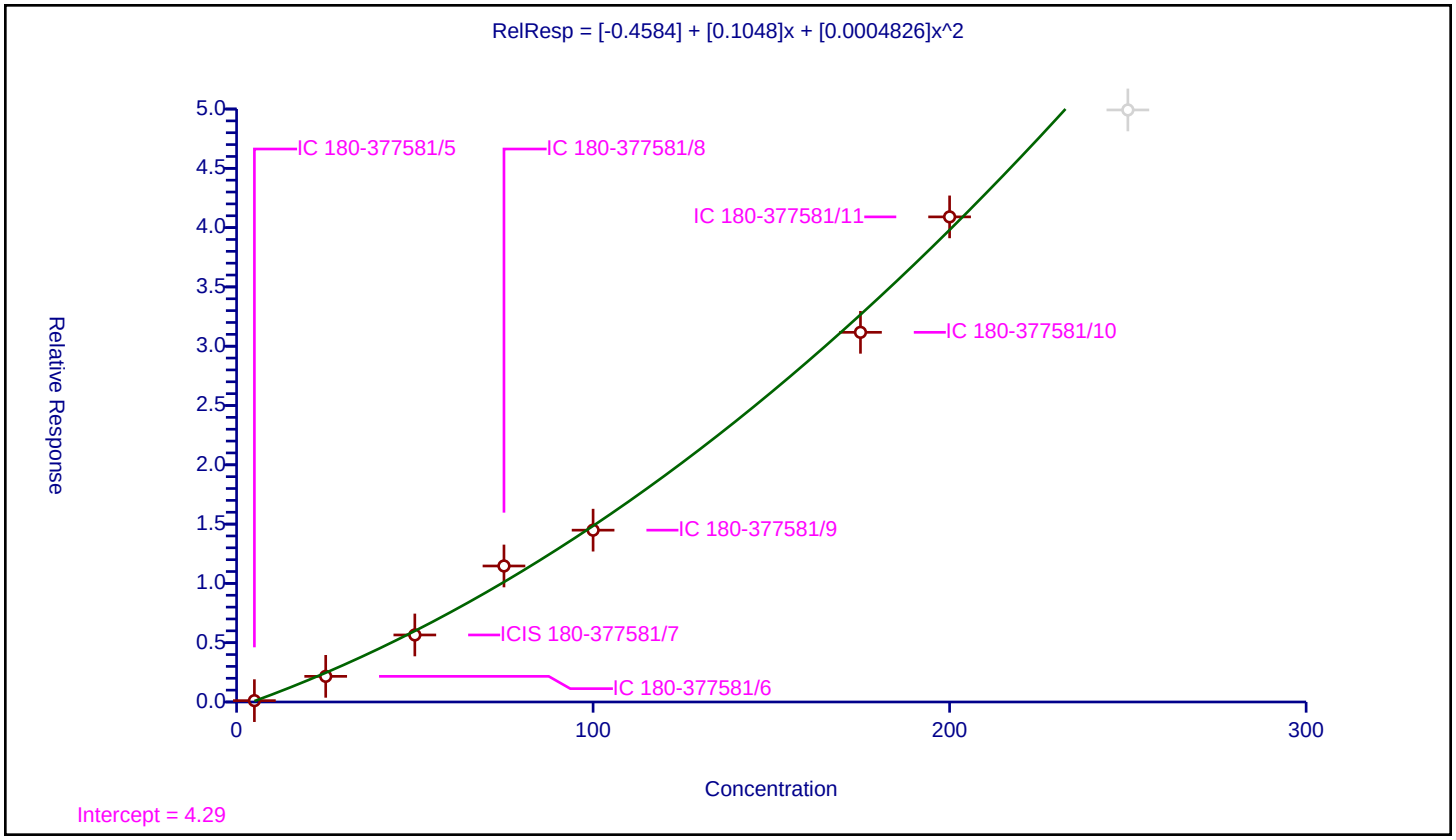
Curve Coefficients

Intercept:	-0.4584
Slope:	0.1048
Second Order:	0.0004826

Error Coefficients

Standard Error:	109000
Relative Standard Error:	8.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	0.114331	50.0	156126.0	0.022866	Y
2	IC 180-377581/6	25.0	2.162565	50.0	177197.0	0.086503	Y
3	ICIS 180-377581/7	50.0	5.652567	50.0	186862.0	0.113051	Y
4	IC 180-377581/8	75.0	11.467813	50.0	191959.0	0.152904	Y
5	IC 180-377581/9	100.0	14.487858	50.0	186960.0	0.144879	Y
6	IC 180-377581/10	175.0	31.171048	50.0	195372.0	0.17812	Y
7	IC 180-377581/11	200.0	40.903639	50.0	202603.0	0.204518	Y
8	IC 180-377581/12	250.0	49.92117	50.0	212482.0	0.199685	N



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

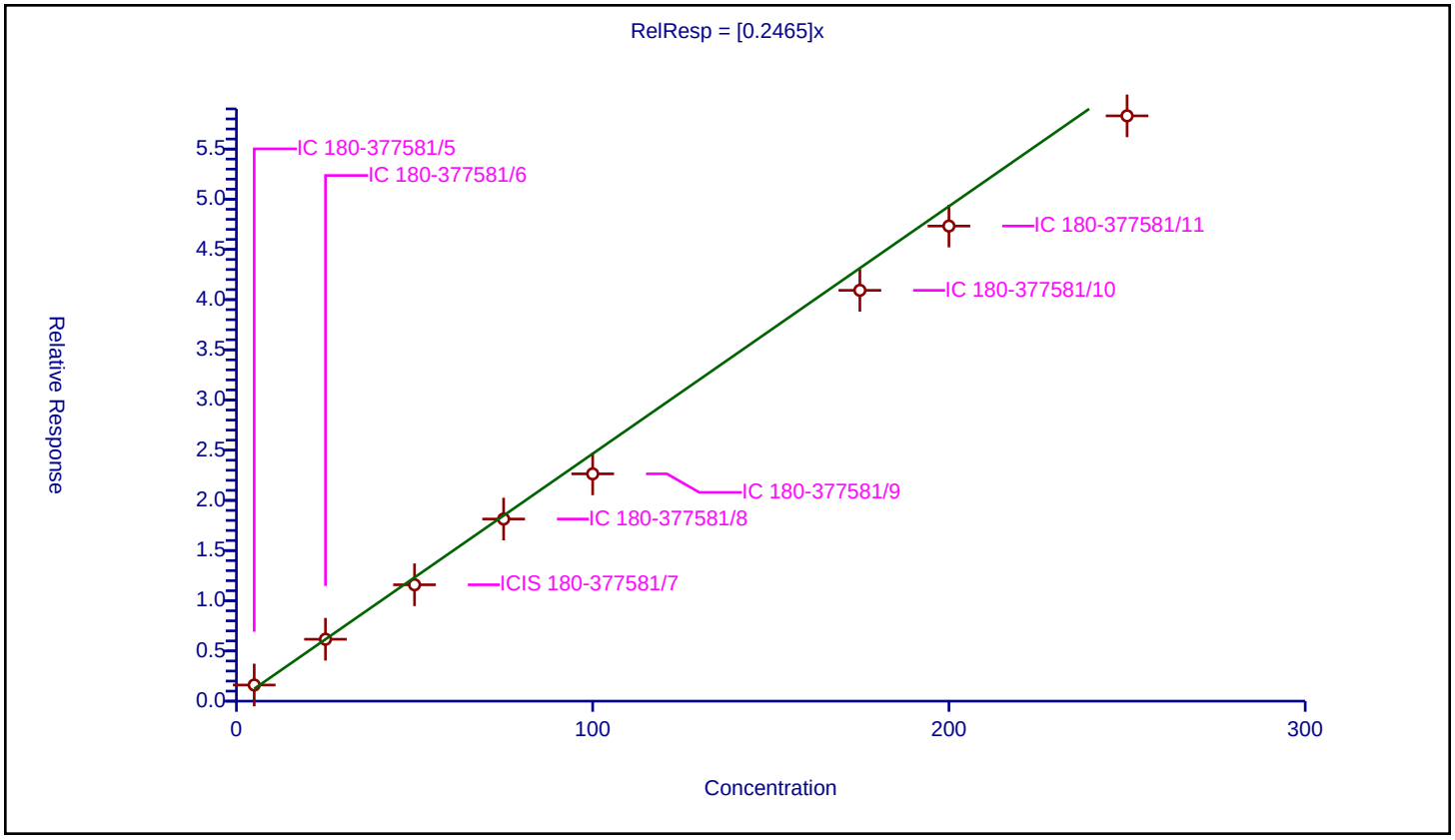
Curve Coefficients

Intercept:	0
Slope:	0.2465

Error Coefficients

Standard Error:	140000
Relative Standard Error:	12.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	1.606715	50.0	156126.0	0.321343	Y
2	IC 180-377581/6	25.0	6.165454	50.0	177197.0	0.246618	Y
3	ICIS 180-377581/7	50.0	11.594653	50.0	186862.0	0.231893	Y
4	IC 180-377581/8	75.0	18.142155	50.0	191959.0	0.241895	Y
5	IC 180-377581/9	100.0	22.642544	50.0	186960.0	0.226425	Y
6	IC 180-377581/10	175.0	40.926796	50.0	195372.0	0.233867	Y
7	IC 180-377581/11	200.0	47.328519	50.0	202603.0	0.236643	Y
8	IC 180-377581/12	250.0	58.306115	50.0	212482.0	0.233224	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

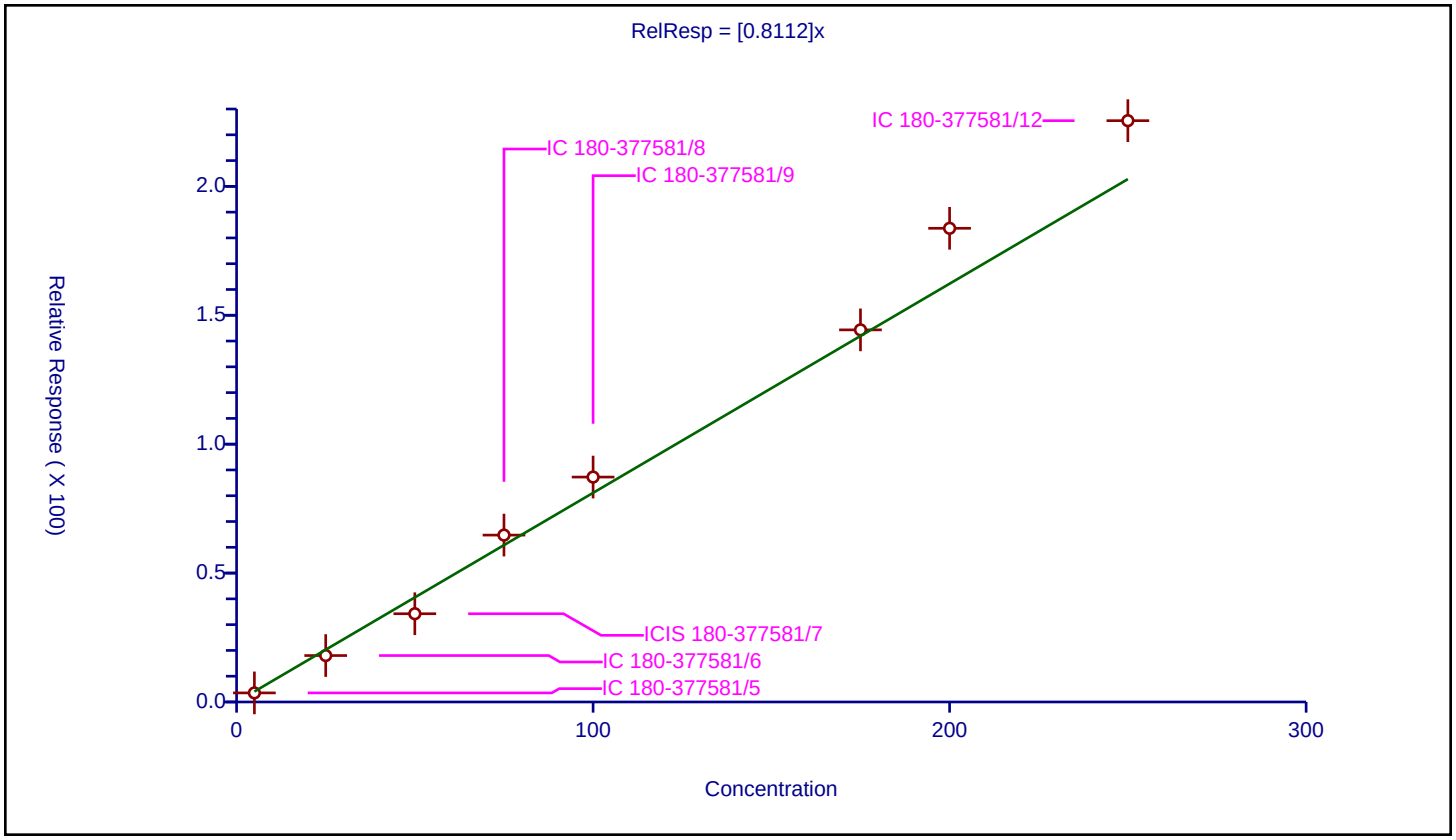
Curve Coefficients

Intercept:	0
Slope:	0.8112

Error Coefficients

Standard Error:	532000
Relative Standard Error:	11.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.519593	50.0	156126.0	0.703919	Y
2	IC 180-377581/6	25.0	18.007923	50.0	177197.0	0.720317	Y
3	ICIS 180-377581/7	50.0	34.227665	50.0	186862.0	0.684553	Y
4	IC 180-377581/8	75.0	64.733355	50.0	191959.0	0.863111	Y
5	IC 180-377581/9	100.0	87.244598	50.0	186960.0	0.872446	Y
6	IC 180-377581/10	175.0	144.332862	50.0	195372.0	0.824759	Y
7	IC 180-377581/11	200.0	183.732965	50.0	202603.0	0.918665	Y
8	IC 180-377581/12	250.0	225.479335	50.0	212482.0	0.901917	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

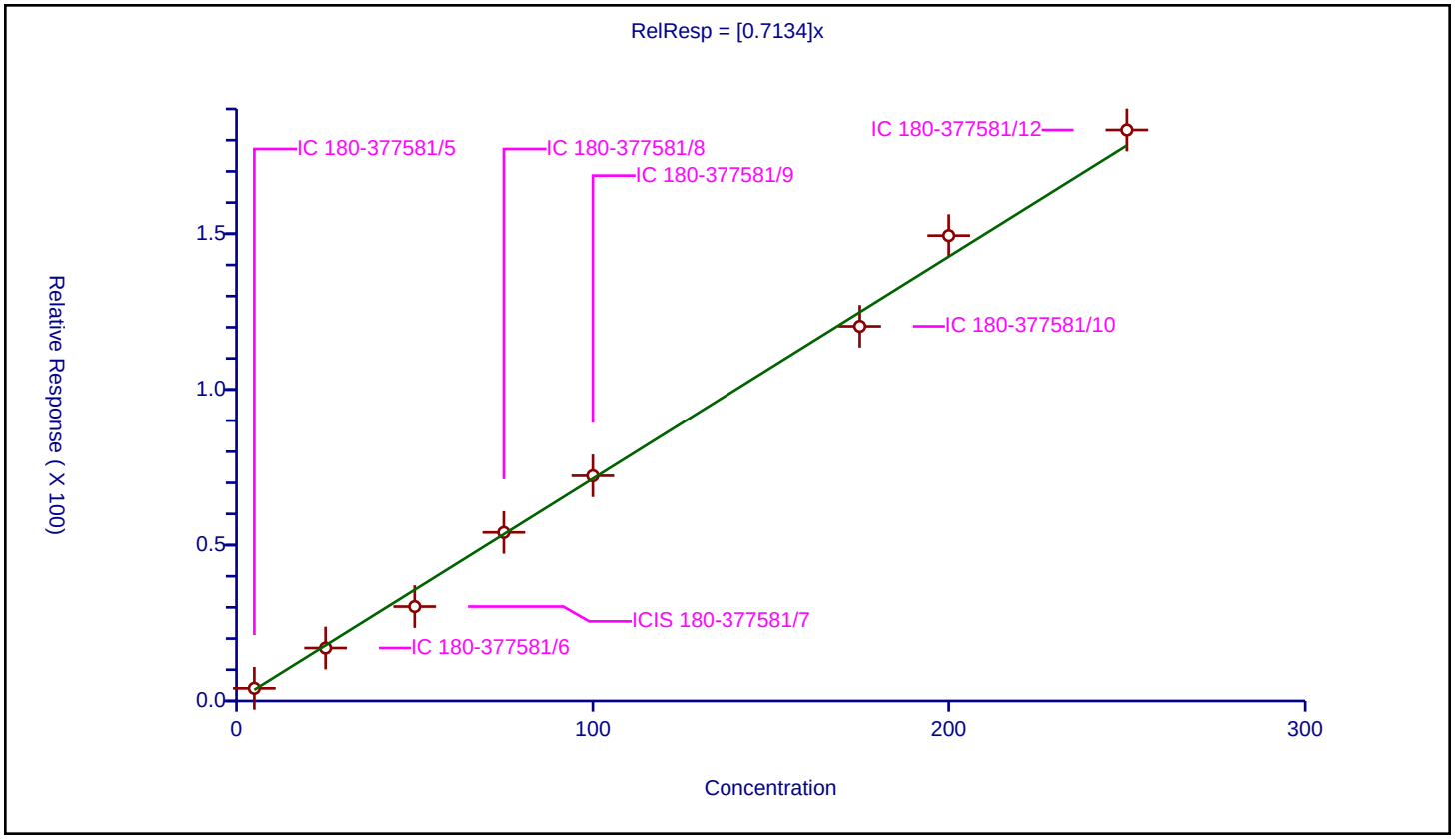
Curve Coefficients

Intercept:	0
Slope:	0.7134

Error Coefficients

Standard Error:	435000
Relative Standard Error:	8.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.05698	50.0	156126.0	0.811396	Y
2	IC 180-377581/6	25.0	16.972353	50.0	177197.0	0.678894	Y
3	ICIS 180-377581/7	50.0	30.267791	50.0	186862.0	0.605356	Y
4	IC 180-377581/8	75.0	54.071182	50.0	191959.0	0.720949	Y
5	IC 180-377581/9	100.0	72.273748	50.0	186960.0	0.722737	Y
6	IC 180-377581/10	175.0	120.299736	50.0	195372.0	0.687427	Y
7	IC 180-377581/11	200.0	149.415112	50.0	202603.0	0.747076	Y
8	IC 180-377581/12	250.0	183.265641	50.0	212482.0	0.733063	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

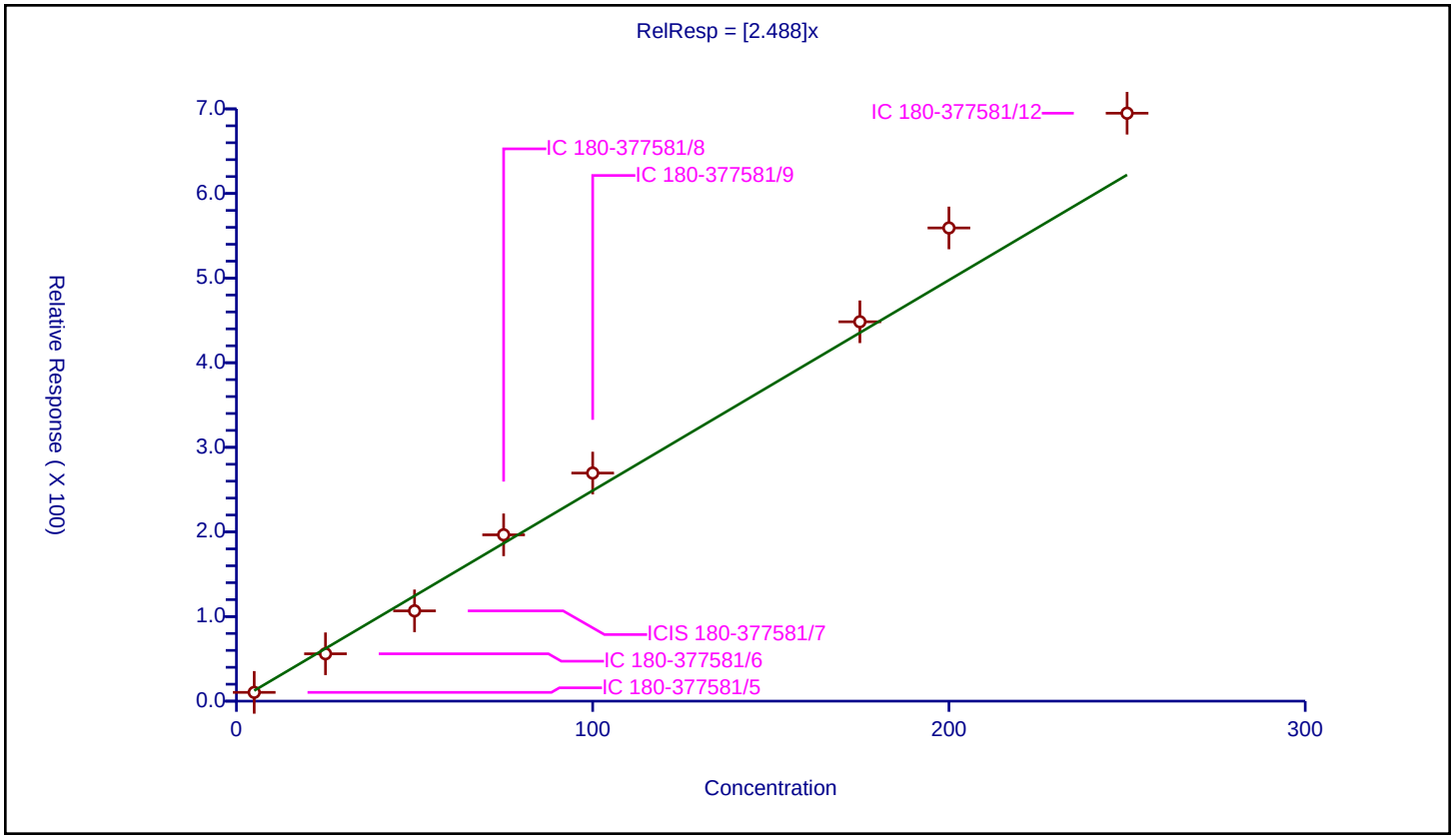
Curve Coefficients

Intercept:	0
Slope:	2.488

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	11.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	10.384561	50.0	156126.0	2.076912	Y
2	IC 180-377581/6	25.0	55.998409	50.0	177197.0	2.239936	Y
3	ICIS 180-377581/7	50.0	106.692104	50.0	186862.0	2.133842	Y
4	IC 180-377581/8	75.0	196.579738	50.0	191959.0	2.621063	Y
5	IC 180-377581/9	100.0	269.569694	50.0	186960.0	2.695697	Y
6	IC 180-377581/10	175.0	448.392554	50.0	195372.0	2.562243	Y
7	IC 180-377581/11	200.0	559.276516	50.0	202603.0	2.796383	Y
8	IC 180-377581/12	250.0	694.900039	50.0	212482.0	2.7796	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

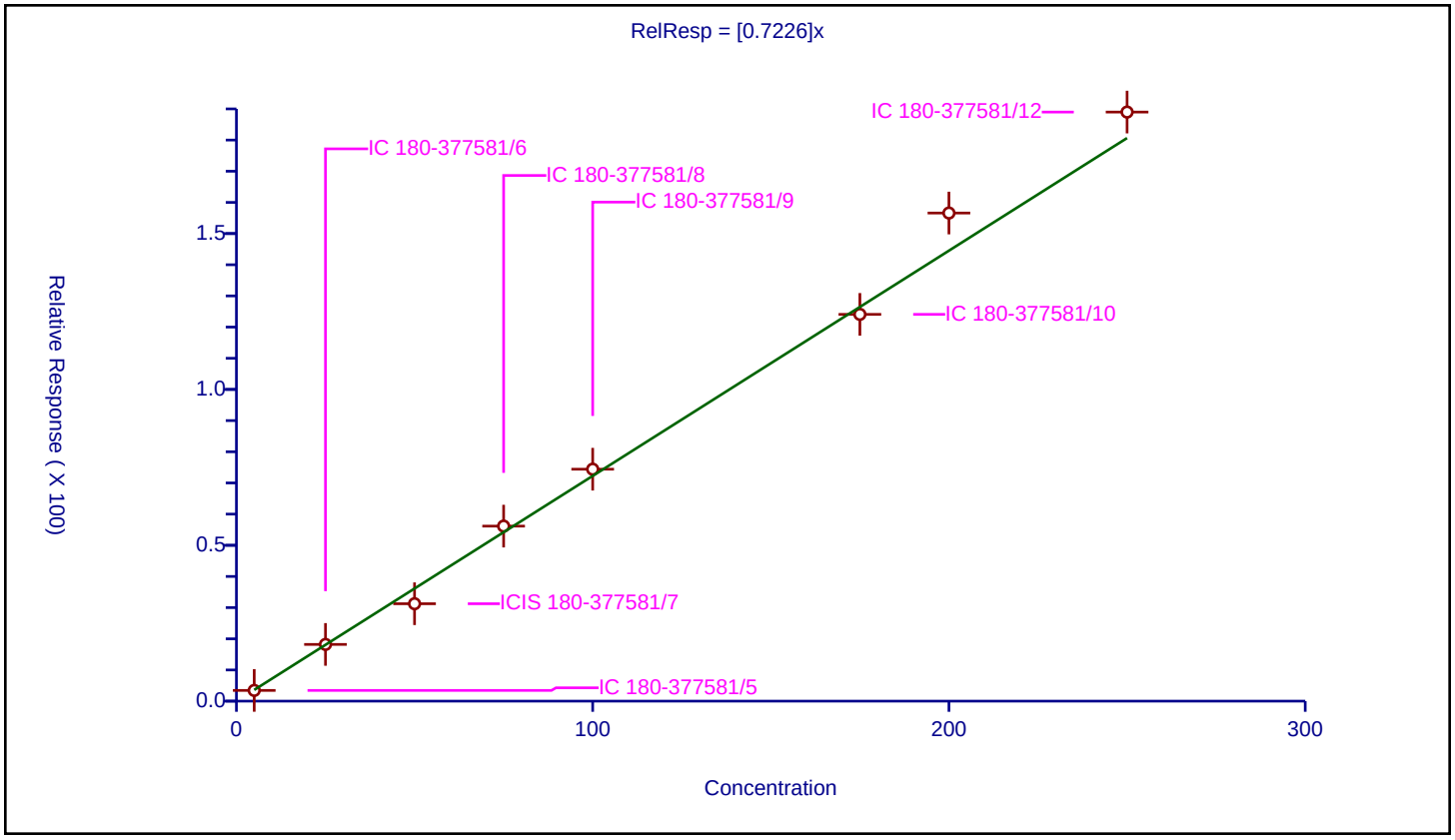
Curve Coefficients

Intercept:	0
Slope:	0.7226

Error Coefficients

Standard Error:	451000
Relative Standard Error:	6.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.435366	50.0	156126.0	0.687073	Y
2	IC 180-377581/6	25.0	18.198672	50.0	177197.0	0.727947	Y
3	ICIS 180-377581/7	50.0	31.252475	50.0	186862.0	0.62505	Y
4	IC 180-377581/8	75.0	56.146365	50.0	191959.0	0.748618	Y
5	IC 180-377581/9	100.0	74.409767	50.0	186960.0	0.744098	Y
6	IC 180-377581/10	175.0	124.080216	50.0	195372.0	0.70903	Y
7	IC 180-377581/11	200.0	156.587514	50.0	202603.0	0.782938	Y
8	IC 180-377581/12	250.0	188.985891	50.0	212482.0	0.755944	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

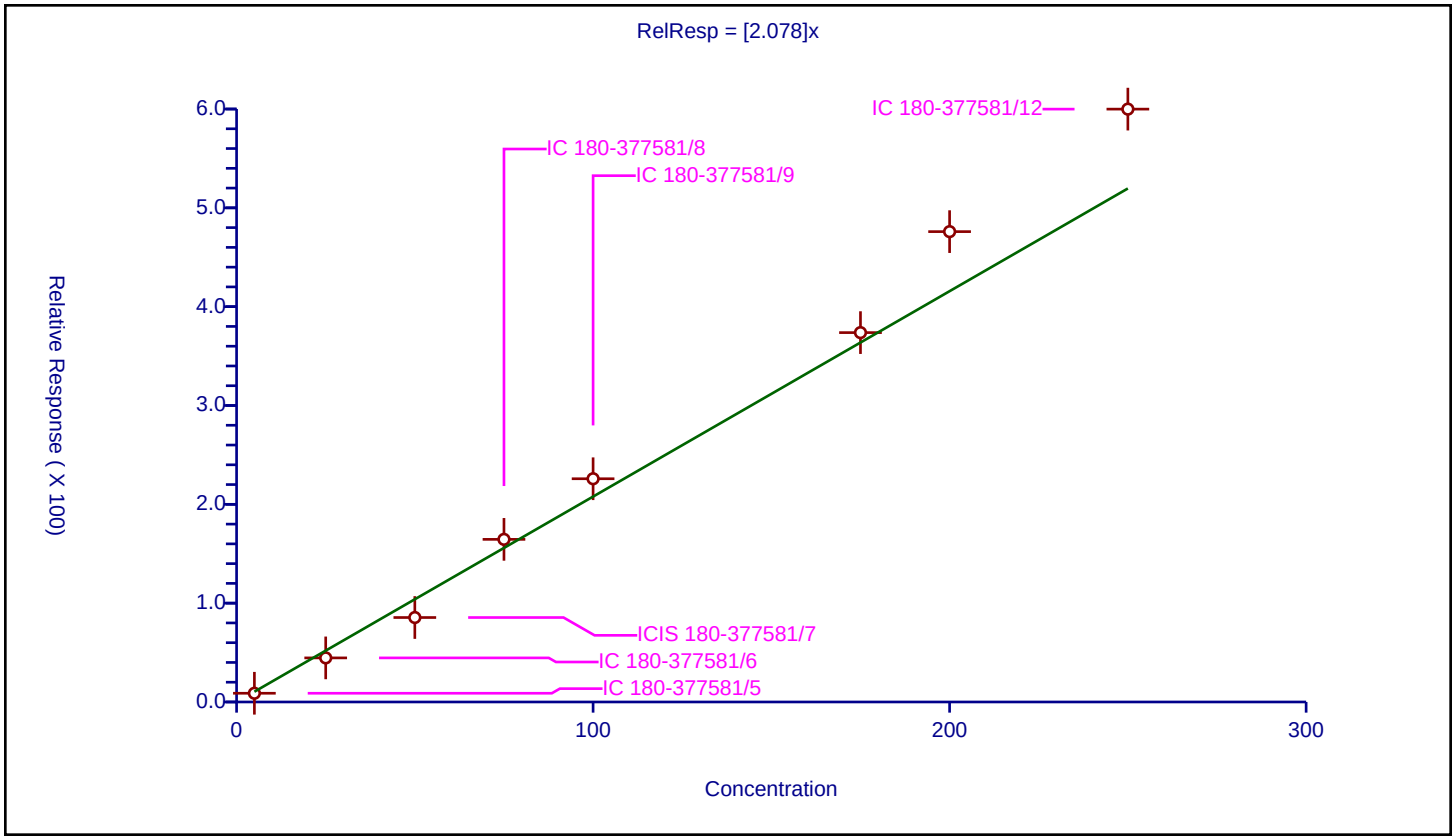
Curve Coefficients

Intercept:	0
Slope:	2.078

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	13.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	8.825564	50.0	156126.0	1.765113	Y
2	IC 180-377581/6	25.0	44.618701	50.0	177197.0	1.784748	Y
3	ICIS 180-377581/7	50.0	85.457717	50.0	186862.0	1.709154	Y
4	IC 180-377581/8	75.0	164.549461	50.0	191959.0	2.193993	Y
5	IC 180-377581/9	100.0	225.895111	50.0	186960.0	2.258951	Y
6	IC 180-377581/10	175.0	373.740096	50.0	195372.0	2.135658	Y
7	IC 180-377581/11	200.0	475.927306	50.0	202603.0	2.379637	Y
8	IC 180-377581/12	250.0	599.892226	50.0	212482.0	2.399569	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

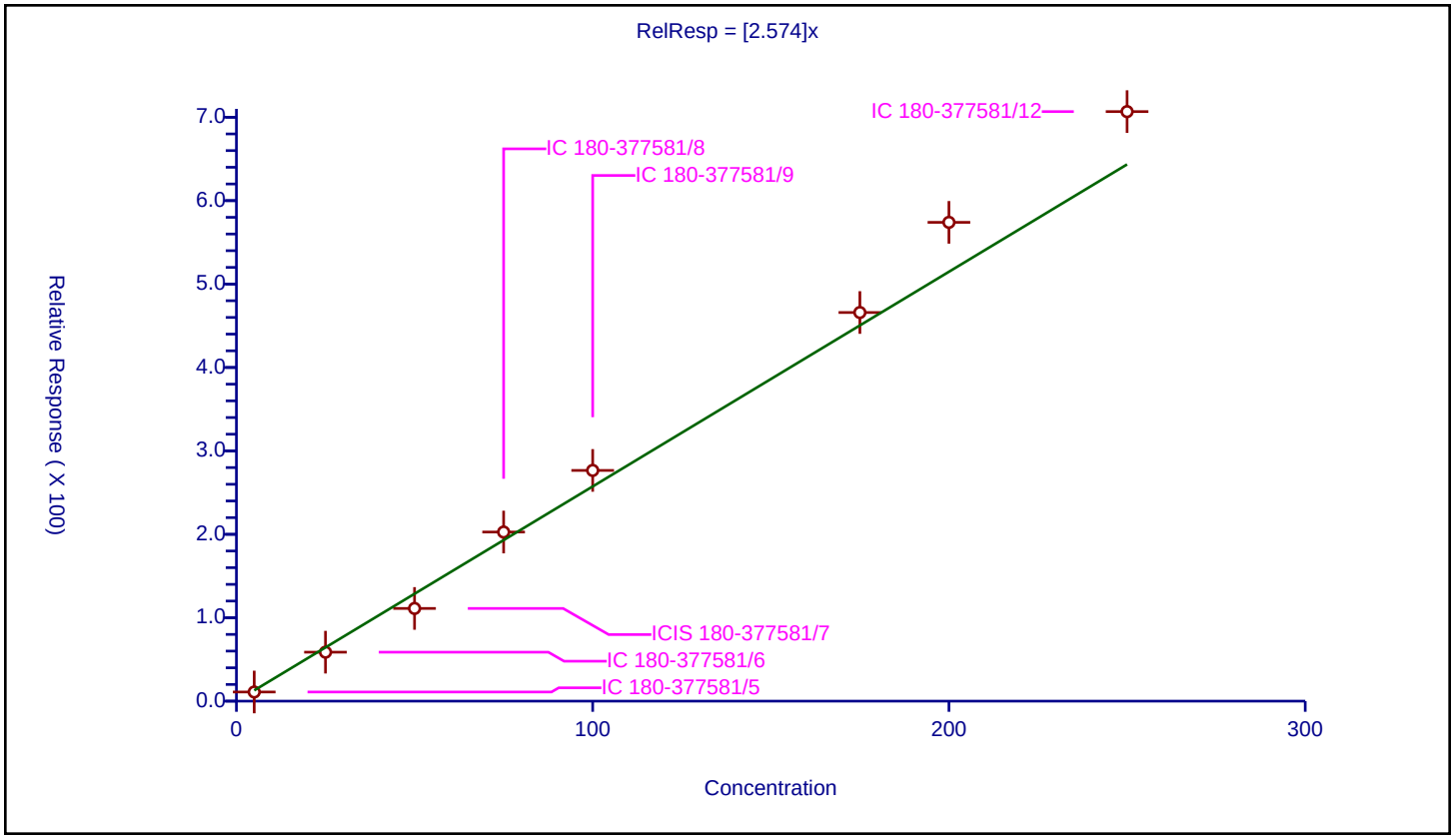
Curve Coefficients

Intercept:	0
Slope:	2.574

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	10.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	10.961019	50.0	156126.0	2.192204	Y
2	IC 180-377581/6	25.0	58.690328	50.0	177197.0	2.347613	Y
3	ICIS 180-377581/7	50.0	111.127463	50.0	186862.0	2.222549	Y
4	IC 180-377581/8	75.0	202.73001	50.0	191959.0	2.703067	Y
5	IC 180-377581/9	100.0	276.586436	50.0	186960.0	2.765864	Y
6	IC 180-377581/10	175.0	465.898645	50.0	195372.0	2.662278	Y
7	IC 180-377581/11	200.0	573.968796	50.0	202603.0	2.869844	Y
8	IC 180-377581/12	250.0	706.742453	50.0	212482.0	2.82697	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

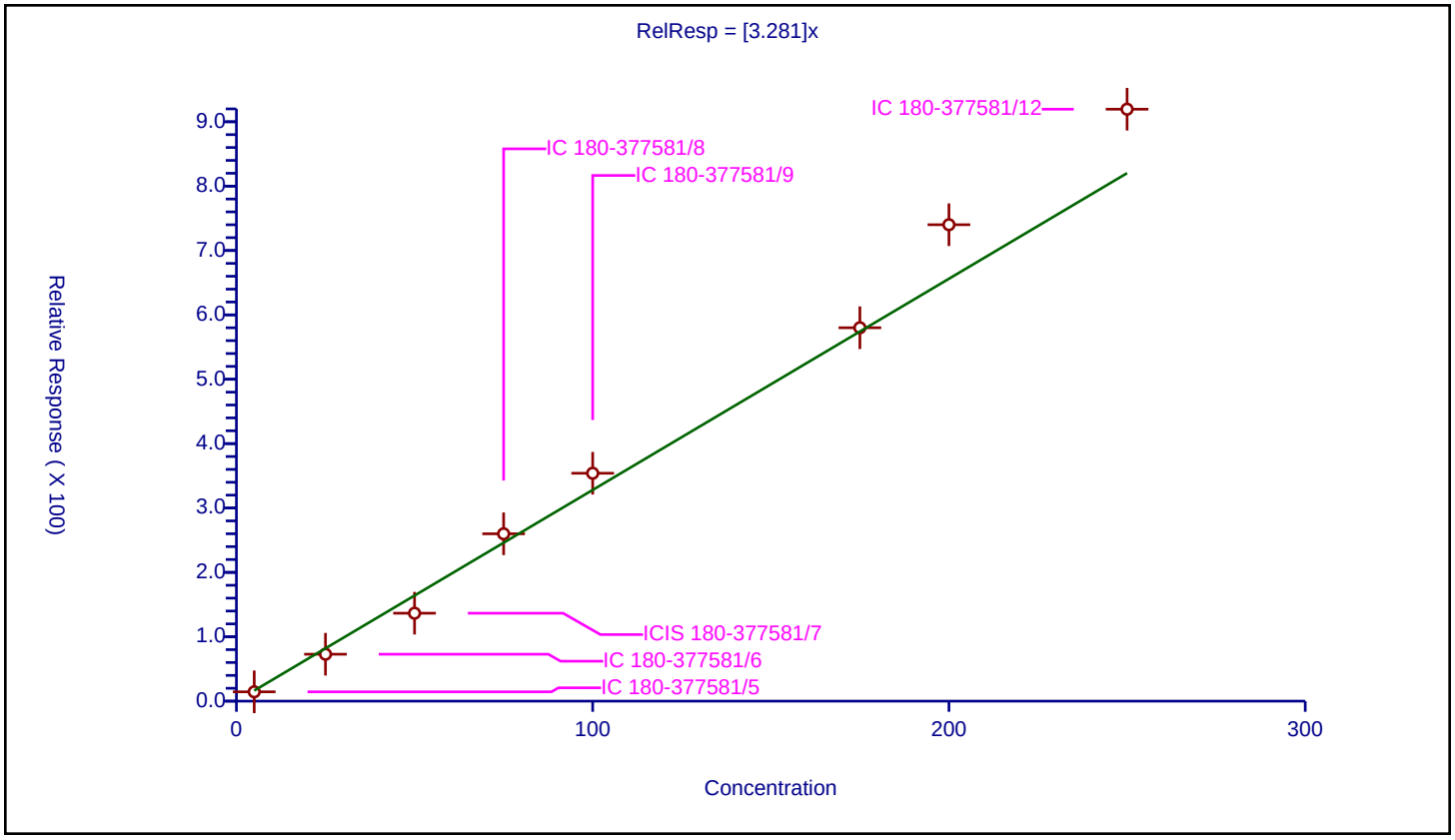
Curve Coefficients

Intercept:	0
Slope:	3.281

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	11.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	14.489899	50.0	156126.0	2.89798	Y
2	IC 180-377581/6	25.0	72.899372	50.0	177197.0	2.915975	Y
3	ICIS 180-377581/7	50.0	136.613116	50.0	186862.0	2.732262	Y
4	IC 180-377581/8	75.0	259.959939	50.0	191959.0	3.466133	Y
5	IC 180-377581/9	100.0	354.019844	50.0	186960.0	3.540198	Y
6	IC 180-377581/10	175.0	580.034754	50.0	195372.0	3.314484	Y
7	IC 180-377581/11	200.0	740.086524	50.0	202603.0	3.700433	Y
8	IC 180-377581/12	250.0	919.505182	50.0	212482.0	3.678021	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

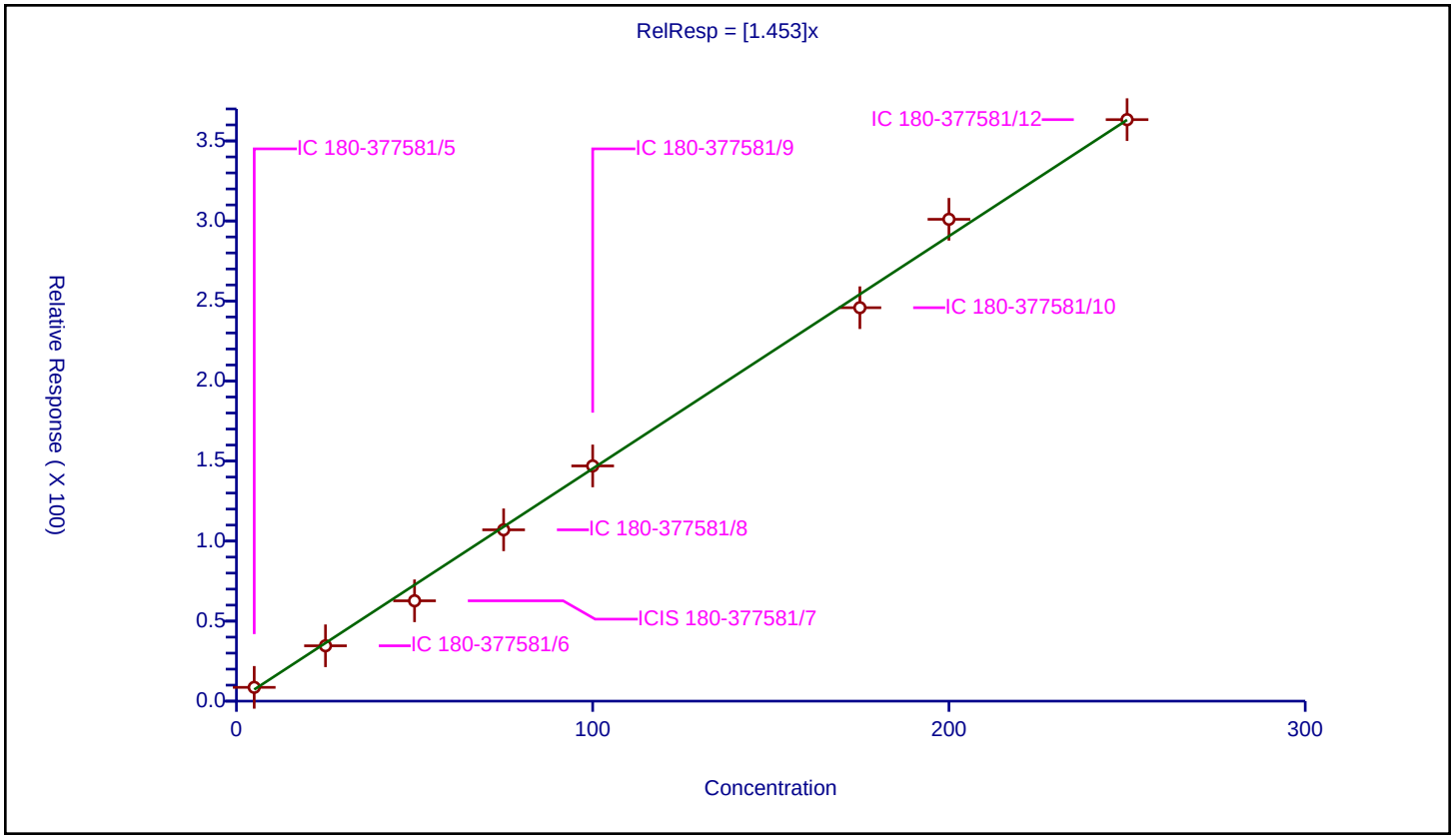
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Standard Error:	873000
Relative Standard Error:	9.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	8.615797	50.0	156126.0	1.723159	Y
2	IC 180-377581/6	25.0	34.586647	50.0	177197.0	1.383466	Y
3	ICIS 180-377581/7	50.0	62.692522	50.0	186862.0	1.25385	Y
4	IC 180-377581/8	75.0	107.032231	50.0	191959.0	1.427096	Y
5	IC 180-377581/9	100.0	146.954964	50.0	186960.0	1.46955	Y
6	IC 180-377581/10	175.0	245.804926	50.0	195372.0	1.4046	Y
7	IC 180-377581/11	200.0	301.032808	50.0	202603.0	1.505164	Y
8	IC 180-377581/12	250.0	363.290773	50.0	212482.0	1.453163	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

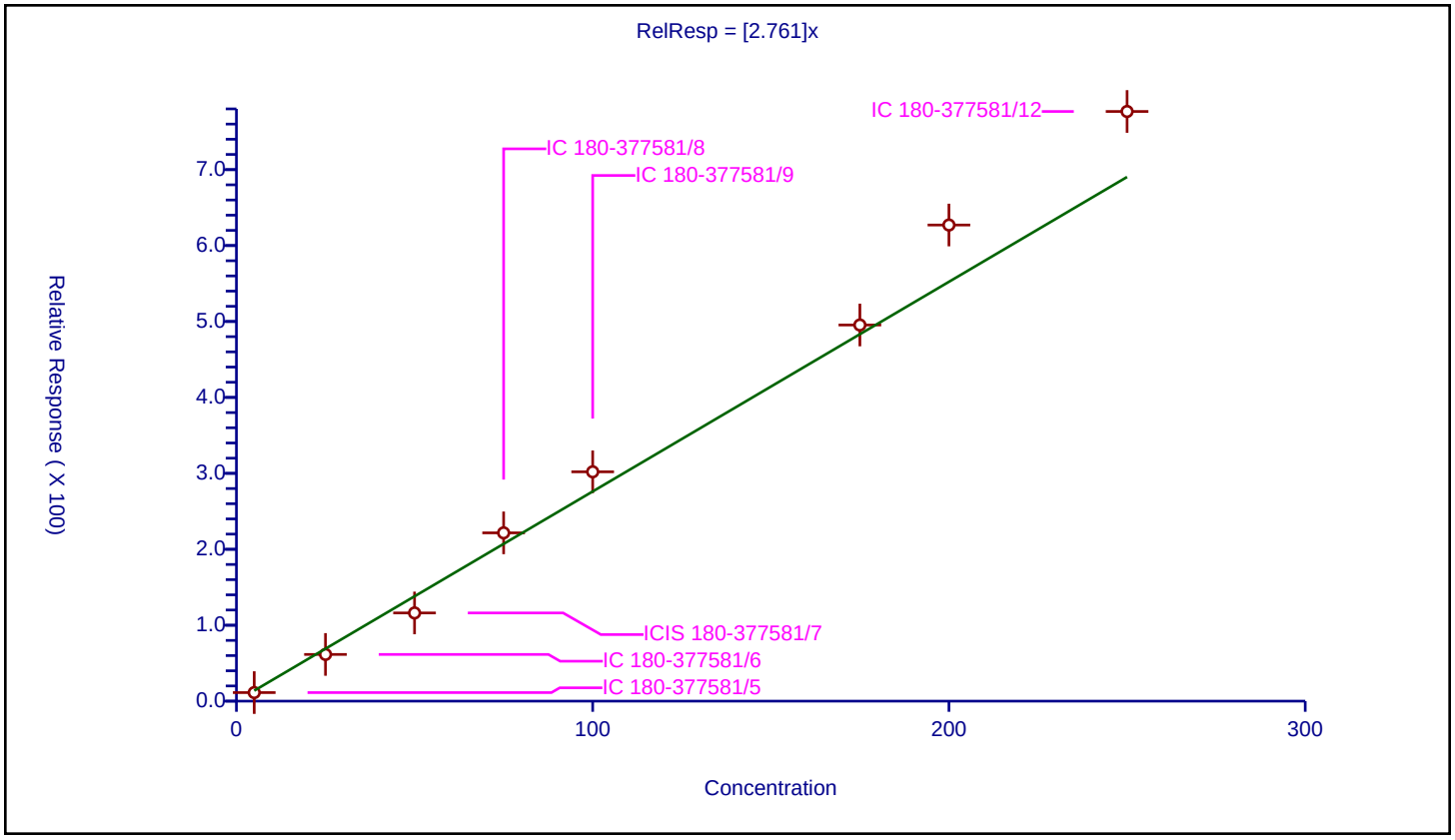
Curve Coefficients

Intercept:	0
Slope:	2.761

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	13.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	11.292802	50.0	156126.0	2.25856	Y
2	IC 180-377581/6	25.0	61.517972	50.0	177197.0	2.460719	Y
3	ICIS 180-377581/7	50.0	116.168884	50.0	186862.0	2.323378	Y
4	IC 180-377581/8	75.0	221.64134	50.0	191959.0	2.955218	Y
5	IC 180-377581/9	100.0	302.034125	50.0	186960.0	3.020341	Y
6	IC 180-377581/10	175.0	495.383934	50.0	195372.0	2.830765	Y
7	IC 180-377581/11	200.0	627.061791	50.0	202603.0	3.135309	Y
8	IC 180-377581/12	250.0	776.603901	50.0	212482.0	3.106416	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

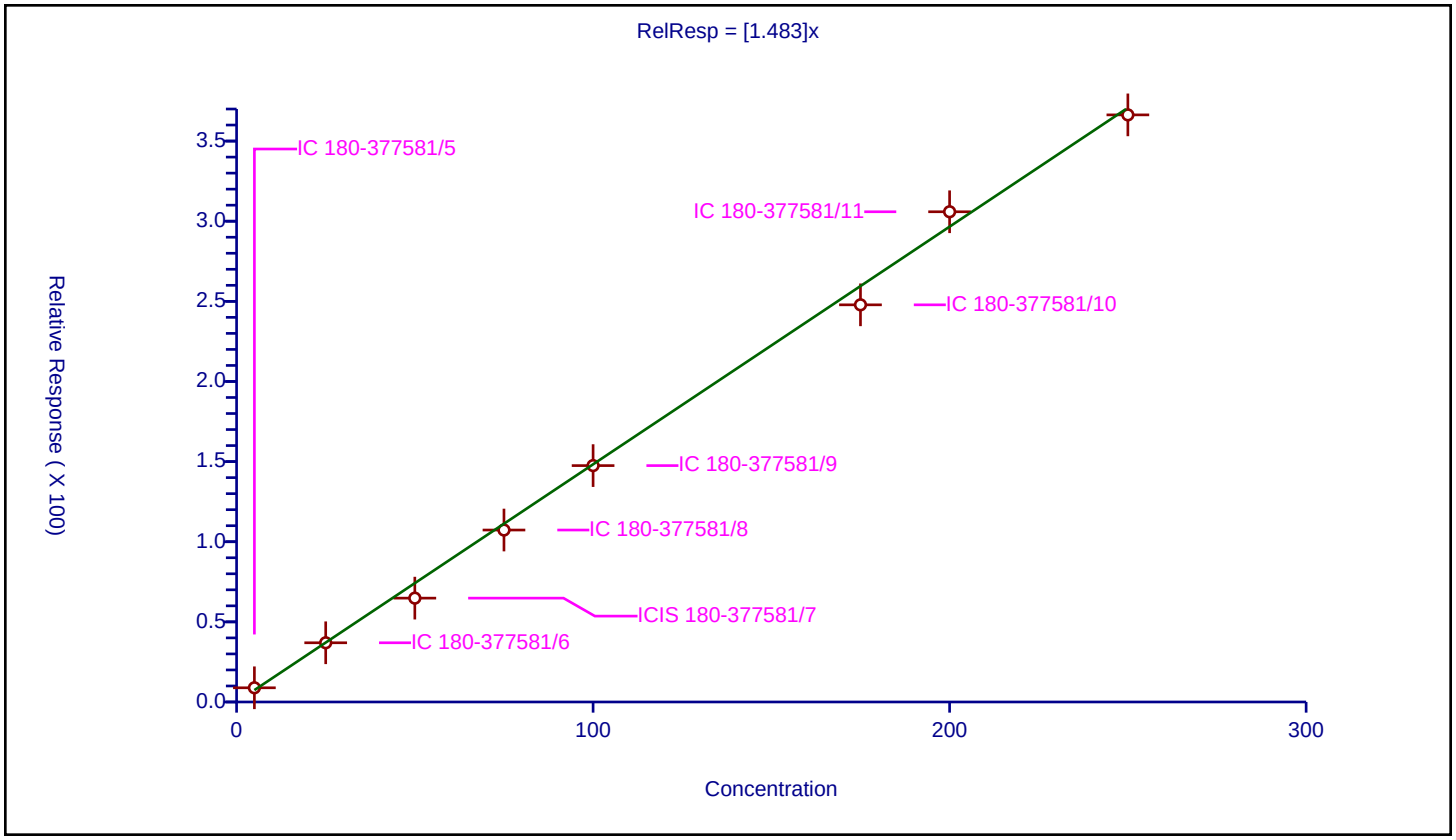
Curve Coefficients

Intercept:	0
Slope:	1.483

Error Coefficients

Standard Error:	882000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	8.866556	50.0	156126.0	1.773311	Y
2	IC 180-377581/6	25.0	36.939959	50.0	177197.0	1.477598	Y
3	ICIS 180-377581/7	50.0	64.802368	50.0	186862.0	1.296047	Y
4	IC 180-377581/8	75.0	107.304424	50.0	191959.0	1.430726	Y
5	IC 180-377581/9	100.0	147.506418	50.0	186960.0	1.475064	Y
6	IC 180-377581/10	175.0	247.823895	50.0	195372.0	1.416137	Y
7	IC 180-377581/11	200.0	305.888363	50.0	202603.0	1.529442	Y
8	IC 180-377581/12	250.0	366.334089	50.0	212482.0	1.465336	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

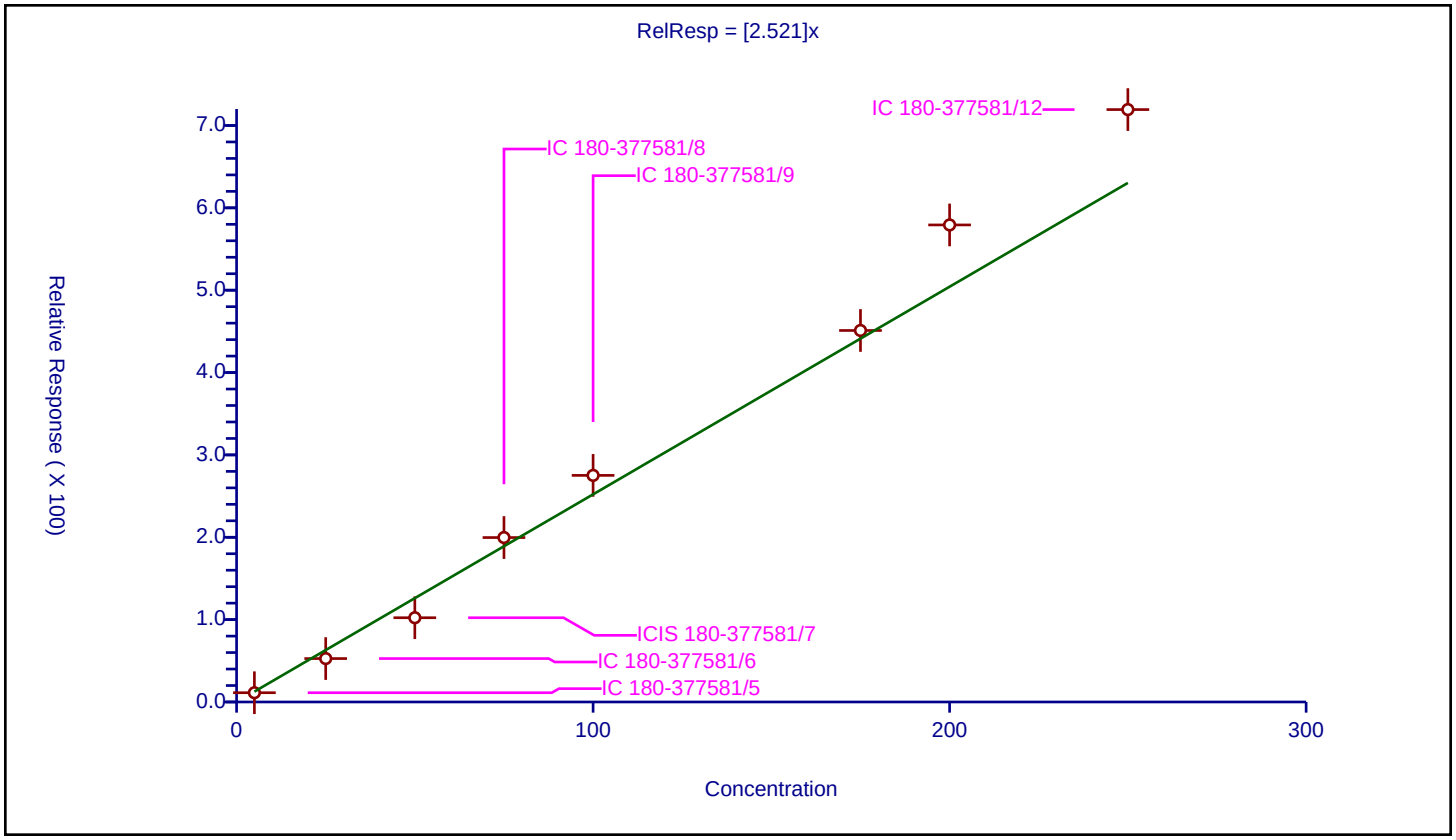
Curve Coefficients

Intercept:	0
Slope:	2.521

Error Coefficients

Standard Error:	1680000
Relative Standard Error:	13.5
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	11.247646	50.0	156126.0	2.249529	Y
2	IC 180-377581/6	25.0	52.714211	50.0	177197.0	2.108568	Y
3	ICIS 180-377581/7	50.0	102.315345	50.0	186862.0	2.046307	Y
4	IC 180-377581/8	75.0	199.664512	50.0	191959.0	2.662193	Y
5	IC 180-377581/9	100.0	275.137463	50.0	186960.0	2.751375	Y
6	IC 180-377581/10	175.0	451.079735	50.0	195372.0	2.577598	Y
7	IC 180-377581/11	200.0	579.248086	50.0	202603.0	2.89624	Y
8	IC 180-377581/12	250.0	719.307047	50.0	212482.0	2.877228	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

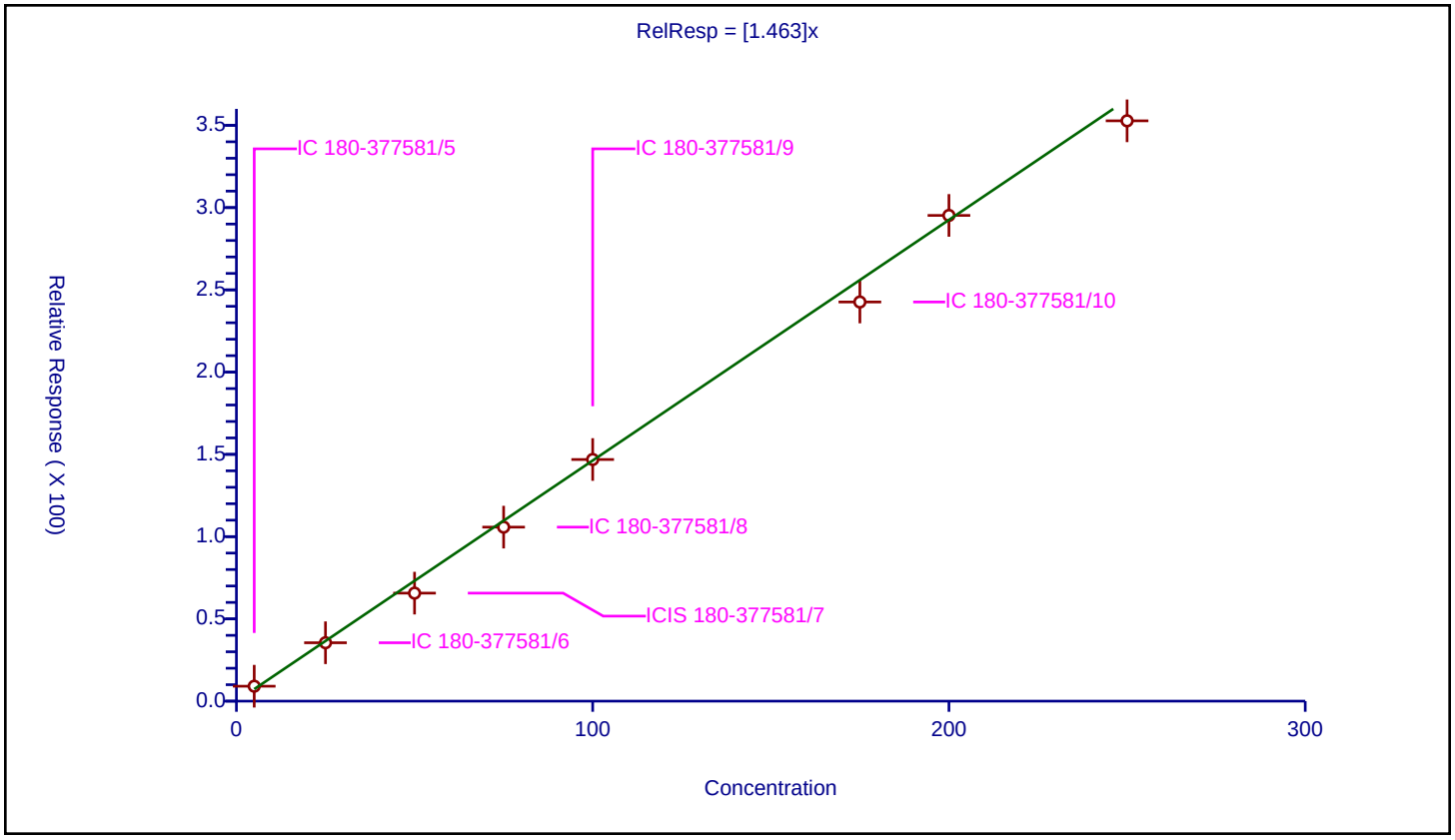
Curve Coefficients

Intercept:	0
Slope:	1.463

Error Coefficients

Standard Error:	855000
Relative Standard Error:	10.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	9.075042	50.0	156126.0	1.815008	Y
2	IC 180-377581/6	25.0	35.503423	50.0	177197.0	1.420137	Y
3	ICIS 180-377581/7	50.0	65.657276	50.0	186862.0	1.313146	Y
4	IC 180-377581/8	75.0	105.776233	50.0	191959.0	1.41035	Y
5	IC 180-377581/9	100.0	146.886232	50.0	186960.0	1.468862	Y
6	IC 180-377581/10	175.0	242.62663	50.0	195372.0	1.386438	Y
7	IC 180-377581/11	200.0	295.24933	50.0	202603.0	1.476247	Y
8	IC 180-377581/12	250.0	352.748939	50.0	212482.0	1.410996	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

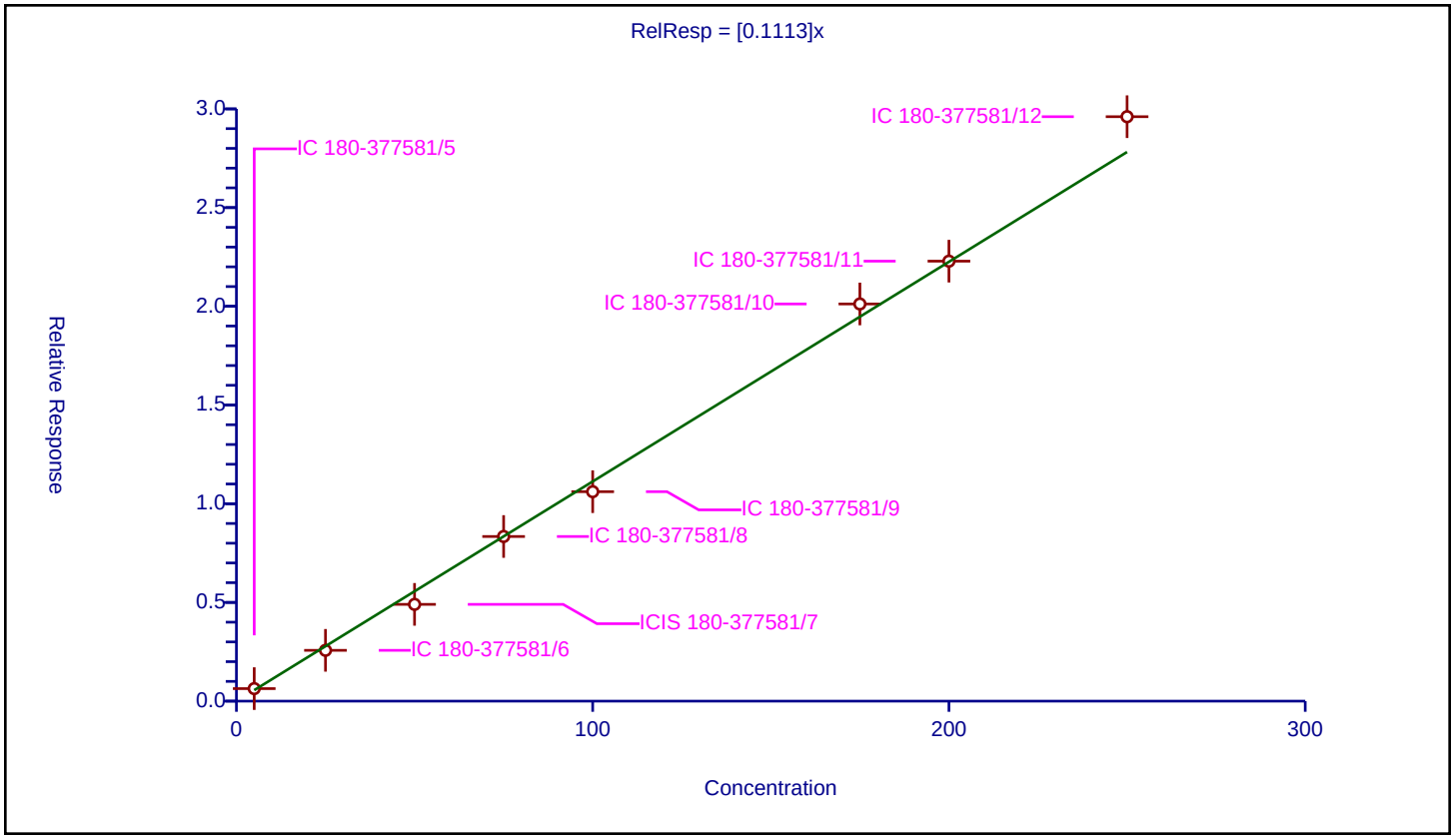
Curve Coefficients

Intercept:	0
Slope:	0.1113

Error Coefficients

Standard Error:	68800
Relative Standard Error:	8.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	0.635384	50.0	156126.0	0.127077	Y
2	IC 180-377581/6	25.0	2.572843	50.0	177197.0	0.102914	Y
3	ICIS 180-377581/7	50.0	4.901746	50.0	186862.0	0.098035	Y
4	IC 180-377581/8	75.0	8.339541	50.0	191959.0	0.111194	Y
5	IC 180-377581/9	100.0	10.610024	50.0	186960.0	0.1061	Y
6	IC 180-377581/10	175.0	20.119055	50.0	195372.0	0.114966	Y
7	IC 180-377581/11	200.0	22.286442	50.0	202603.0	0.111432	Y
8	IC 180-377581/12	250.0	29.604155	50.0	212482.0	0.118417	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

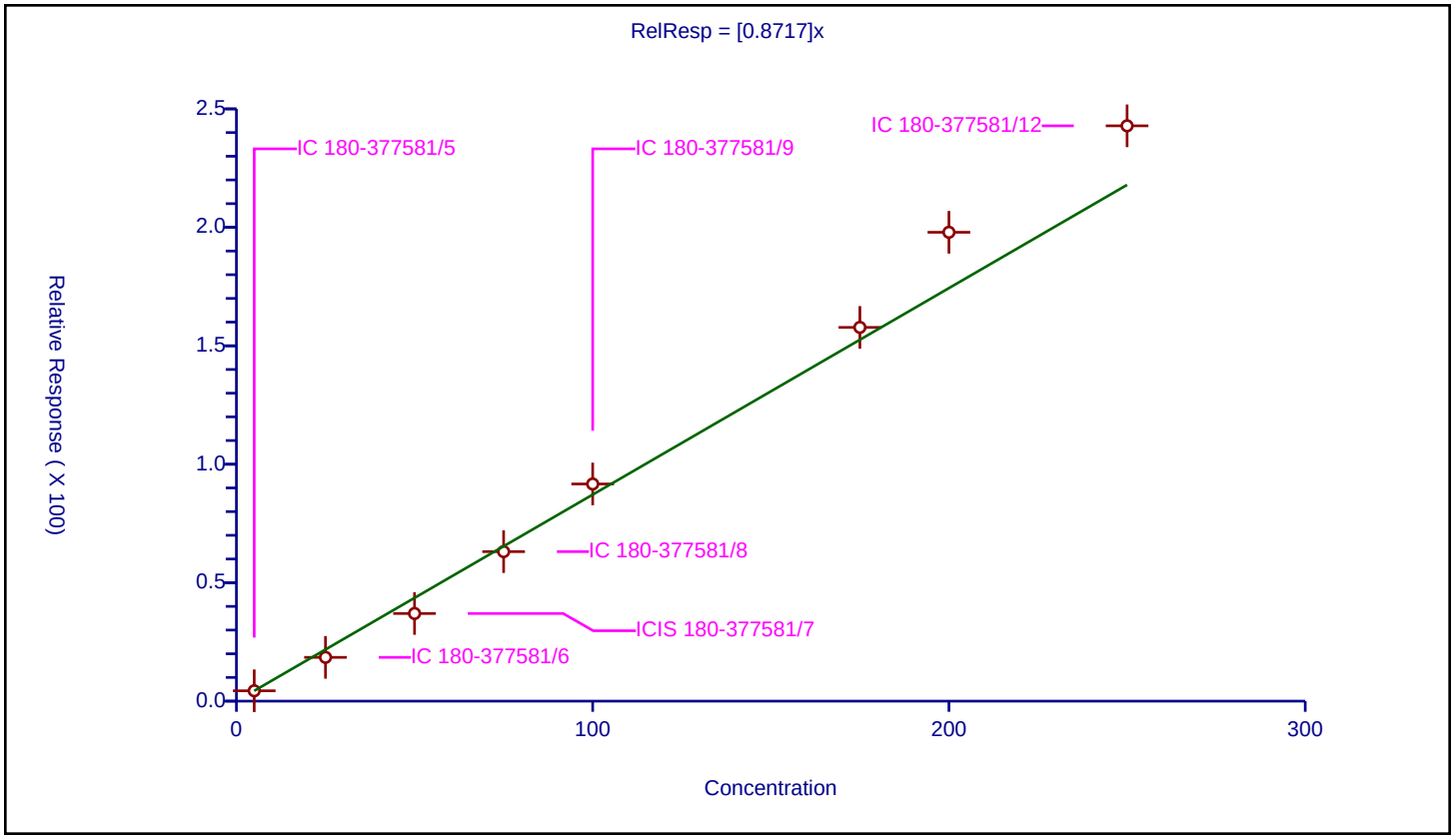
Curve Coefficients

Intercept:	0
Slope:	0.8717

Error Coefficients

Standard Error:	572000
Relative Standard Error:	10.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.369227	50.0	156126.0	0.873845	Y
2	IC 180-377581/6	25.0	18.480561	50.0	177197.0	0.739222	Y
3	ICIS 180-377581/7	50.0	36.998962	50.0	186862.0	0.739979	Y
4	IC 180-377581/8	75.0	63.111133	50.0	191959.0	0.841482	Y
5	IC 180-377581/9	100.0	91.66426	50.0	186960.0	0.916643	Y
6	IC 180-377581/10	175.0	157.767746	50.0	195372.0	0.90153	Y
7	IC 180-377581/11	200.0	197.91316	50.0	202603.0	0.989566	Y
8	IC 180-377581/12	250.0	242.853277	50.0	212482.0	0.971413	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

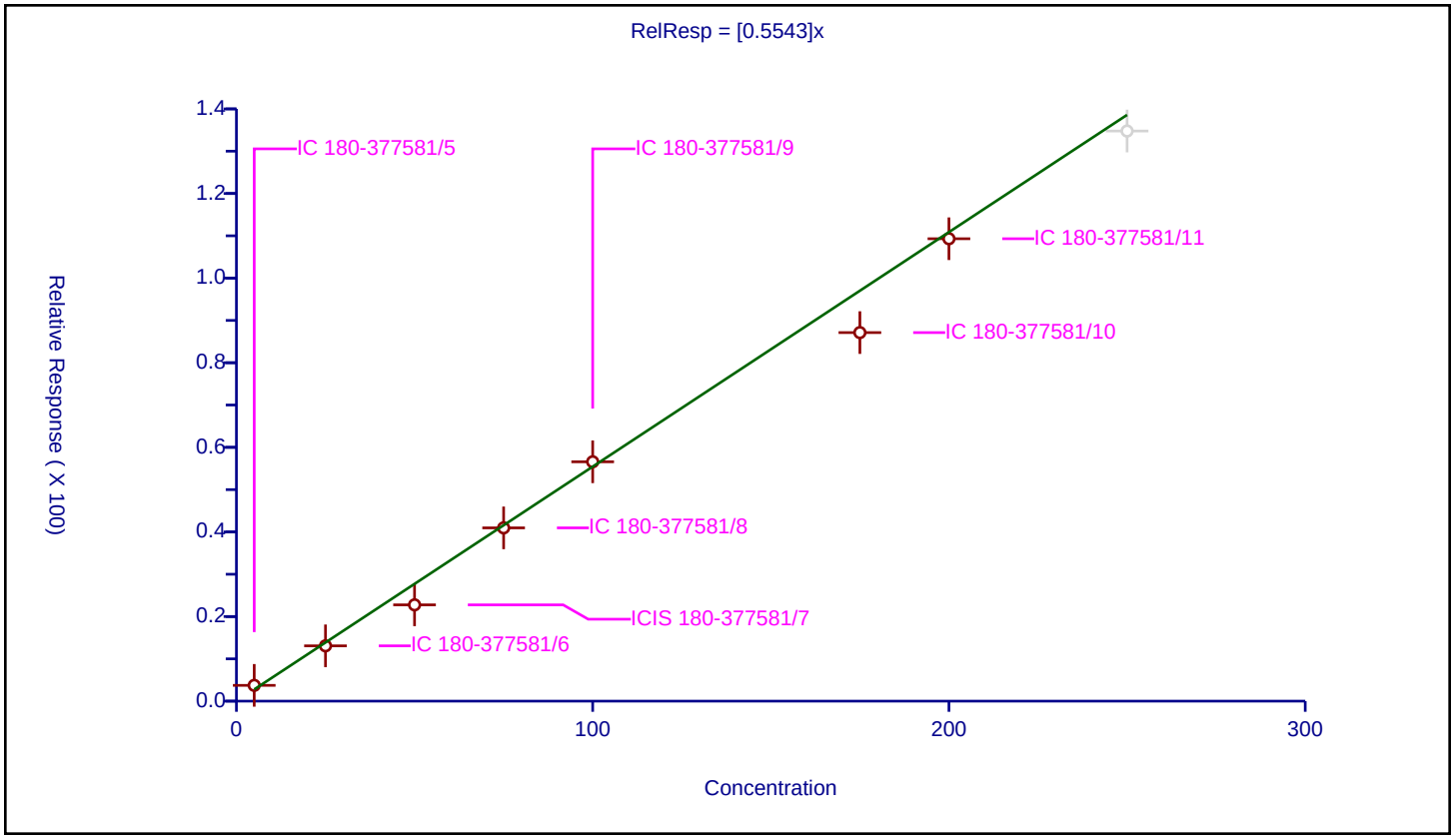
Curve Coefficients

Intercept:	0
Slope:	0.5543

Error Coefficients

Standard Error:	255000
Relative Standard Error:	16.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	3.730641	50.0	156126.0	0.746128	Y
2	IC 180-377581/6	25.0	13.070481	50.0	177197.0	0.522819	Y
3	ICIS 180-377581/7	50.0	22.763323	50.0	186862.0	0.455266	Y
4	IC 180-377581/8	75.0	40.956923	50.0	191959.0	0.546092	Y
5	IC 180-377581/9	100.0	56.57761	50.0	186960.0	0.565776	Y
6	IC 180-377581/10	175.0	87.117397	50.0	195372.0	0.497814	Y
7	IC 180-377581/11	200.0	109.304403	50.0	202603.0	0.546522	Y
8	IC 180-377581/12	250.0	134.766945	50.0	212482.0	0.539068	N



Calibration / Naphthalene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

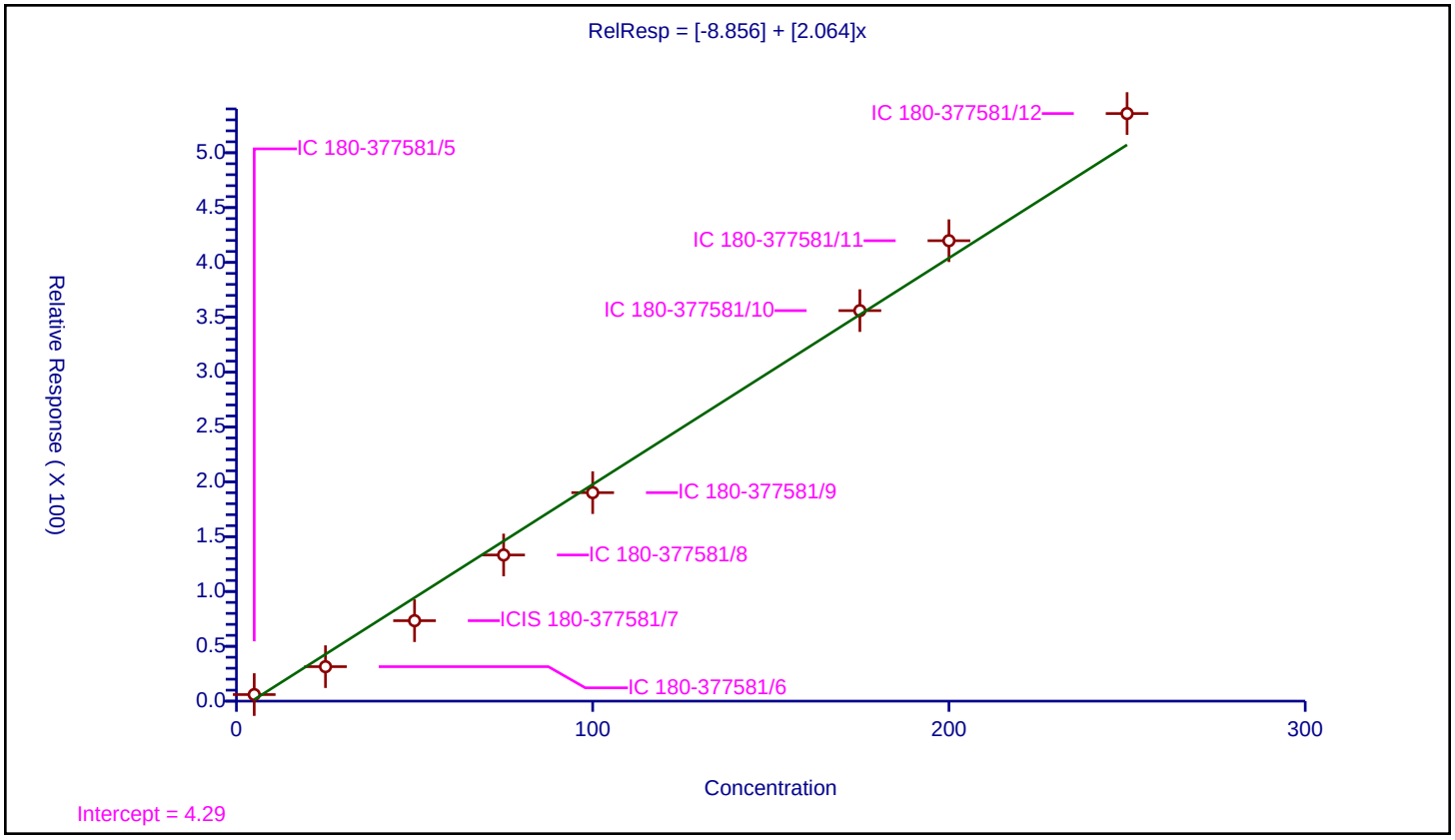
Curve Coefficients

Intercept:	-8.856
Slope:	2.064

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	22.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	5.982668	50.0	156126.0	1.196534	Y
2	IC 180-377581/6	25.0	31.423783	50.0	177197.0	1.256951	Y
3	ICIS 180-377581/7	50.0	73.360822	50.0	186862.0	1.467216	Y
4	IC 180-377581/8	75.0	133.268563	50.0	191959.0	1.776914	Y
5	IC 180-377581/9	100.0	190.108312	50.0	186960.0	1.901083	Y
6	IC 180-377581/10	175.0	356.067144	50.0	195372.0	2.034669	Y
7	IC 180-377581/11	200.0	419.818068	50.0	202603.0	2.09909	Y
8	IC 180-377581/12	250.0	535.774089	50.0	212482.0	2.143096	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

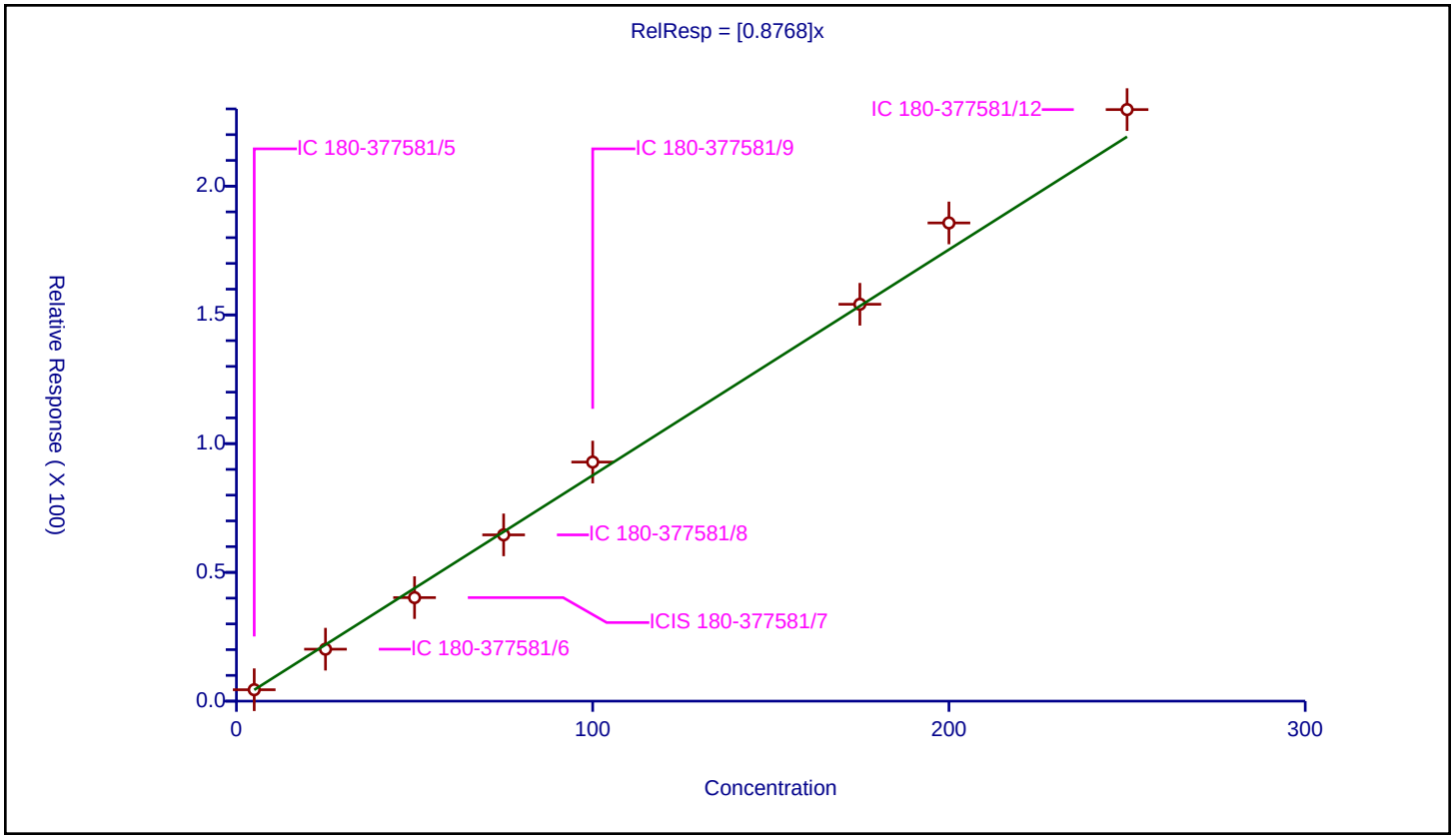
Curve Coefficients

Intercept:	0
Slope:	0.8768

Error Coefficients

Standard Error:	547000
Relative Standard Error:	5.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-377581/5	5.0	4.427514	50.0	156126.0	0.885503	Y
2	IC 180-377581/6	25.0	20.179518	50.0	177197.0	0.807181	Y
3	ICIS 180-377581/7	50.0	40.206141	50.0	186862.0	0.804123	Y
4	IC 180-377581/8	75.0	64.568476	50.0	191959.0	0.860913	Y
5	IC 180-377581/9	100.0	92.850075	50.0	186960.0	0.928501	Y
6	IC 180-377581/10	175.0	154.130326	50.0	195372.0	0.880745	Y
7	IC 180-377581/11	200.0	185.707023	50.0	202603.0	0.928535	Y
8	IC 180-377581/12	250.0	229.734283	50.0	212482.0	0.918937	Y



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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3784 0.3817	0.3771 0.3655	0.3208 0.2955	0.3374	0.3151	Ave		0.3464				9.7		35.0			
Chloromethane	0.4516 0.4315	0.4262 0.4343	0.3774 0.3795	0.3896	0.3778	Ave		0.4085			0.1000	7.4		35.0			
Vinyl chloride	0.3594 0.3799	0.3359 0.3720	0.3174 0.3082	0.3387	0.3140	Ave		0.3407				8.0		35.0			
Butadiene	0.5589 0.4298	0.4294 0.4221	0.3774 +++++	0.3811	0.3723	Lin2	0.8363	0.3893							0.9950		0.9900
Bromomethane	0.2477 0.1974	0.2169 0.1972	0.1885 0.1759	0.1857	0.1752	Ave		0.1981				12.2		35.0			
Chloroethane	0.2758 0.2425	0.2395 0.2422	0.2226 0.2073	0.2205	0.2052	Ave		0.2319				10.0		35.0			
Dichlorofluoromethane	0.6089 0.5781	0.5591 0.5567	0.4870 0.5079	0.5318	0.4966	Ave		0.5408				7.9		35.0			
Trichlorofluoromethane	0.5107 0.5169	0.4897 0.4995	0.4280 0.4094	0.4634	0.4282	Ave		0.4682				9.0		35.0			
Ethyl ether	0.2473 0.2629	0.2309 0.2783	0.2132 0.2872	0.2179	0.2266	Ave		0.2455				11.4		35.0			
1,1-Dichloroethene	0.2387 0.2440	0.2177 0.2429	0.2088 0.2003	0.2173	0.2008	Ave		0.2213				8.3		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3141 0.2744	0.2601 0.2673	0.2427 0.2192	0.2486	0.2308	Ave		0.2572				11.5		35.0			
Acetone	0.0762 0.1180	0.1074 0.1198	0.1000 +++++	0.1057	0.1117	Ave		0.1055				13.9		35.0			
Iodomethane	0.3313 0.3478	0.3331 0.3562	0.3016 0.3351	0.3082	0.2990	Ave		0.3266				6.5		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7411 0.7352	0.6658 0.7343	0.6051 0.6192	0.6493	0.6122	Ave		0.6703				8.7		35.0			
Methyl acetate	0.2229 0.2423	0.2113 0.2515	0.1893 0.2597	0.1965	0.2062	Ave		0.2225				11.8		35.0			
3-Chloro-1-propene	0.1437 0.1596	0.1285 0.1626	0.1177 0.1443	0.1319	0.1290	Ave		0.1397				11.3		35.0			
Methylene Chloride	0.6084 0.2898	0.3402 0.3073	0.2749 0.2946	0.2745	0.2748	Lin1	1.3680	0.2821							0.9950		0.9900
2-Methyl-2-propanol	1.0137 1.1460	1.1205 1.2812	1.0965 1.4105	1.1754	1.1138	Ave		1.1697				10.5		35.0			
Acrylonitrile	0.1162 0.1329	0.1076 0.1376	0.0993 0.1445	0.1037	0.1133	Ave		0.1194				14.1		35.0			
Methyl tert-butyl ether	0.5665 +++++	0.6006 +++++	0.5842 +++++	0.6176	0.6546	Ave		0.6047				5.6		35.0			
trans-1,2-Dichloroethene	0.3501 0.2977	0.2688 0.3026	0.2541 +++++	0.2672	0.2553	Ave		0.2851				12.1		35.0			
Hexane	0.3910 0.5096	0.4145 0.5009	0.4101 0.4073	0.4399	0.4145	Ave		0.4360				10.3		35.0			
1,1-Dichloroethane	0.5967 0.5741	0.5382 0.5874	0.4872 0.5425	0.5068	0.4872	Ave		0.5400			0.1000	8.1		35.0			
2-Butanone (MEK)	0.0701 0.1583	0.1362 0.1574	0.1293 0.1612	0.1388	0.1429	Ave		0.1368				21.5		35.0			
cis-1,2-Dichloroethene	0.3557 0.3185	0.2886 0.3276	0.2713 0.3118	0.2741	0.2733	Ave		0.3026				10.2		35.0			
2,2-Dichloropropane	0.1001 0.0726	0.0669 0.0731	0.0629 0.0660	0.0682	0.0618	Ave		0.0714				17.2		35.0			
Chlorobromomethane	0.1764 0.1347	0.1287 0.1427	0.1200 0.1401	0.1158	0.1181	Ave		0.1346				14.6		35.0			
Tetrahydrofuran	0.0727 +++++	0.0736 +++++	0.0654 +++++	0.0759	0.0785	Ave		0.0732				6.7		35.0			
Chloroform	0.5768 0.5153	0.5030 0.5303	0.4455 0.5023	0.4524	0.4539	Ave		0.4974				9.1		35.0			
1,1,1-Trichloroethane	0.4650 0.4668	0.4187 0.4683	0.3893 0.3988	0.4034	0.3823	Ave		0.4241				8.7		35.0			
Cyclohexane	0.4199 +++++	0.5358 +++++	0.5276 +++++	0.5808	0.5471	Ave		0.5222				11.6		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.3117 0.4345	0.3710 0.4294	0.3487 0.3635	0.3782	0.3542	Ave		0.3739				11.0		35.0			
Carbon tetrachloride	0.3614 0.3800	0.3345 0.3787	0.3085 0.3224	0.3260	0.3182	Ave		0.3412				8.3		35.0			
Isobutyl alcohol	0.0063 0.0106	0.0083 0.0104	0.0082 0.0112	0.0085	0.0090	Ave		0.0091				17.6		35.0			
Benzene	1.1063 1.2600	1.1496 1.2909	1.0712 1.1937	1.1134	1.0864	Ave		1.1589				7.0		35.0			
1,2-Dichloroethane	0.4490 0.4537	0.4117 0.4792	0.3798 0.4731	0.3883	0.4013	Ave		0.4295				9.1		35.0			
n-Heptane	0.2411 +++++	0.3131 +++++	0.3121 +++++	0.3445	0.3289	Ave		0.3080				12.9		35.0			
Trichloroethene	0.2971 0.3062	0.2615 0.3101	0.2449 0.2765	0.2587	0.2566	Ave		0.2764				9.0		35.0			
Methylcyclohexane	0.3403 +++++	0.3879 +++++	0.4085 +++++	0.4530	0.4301	Lin1	-0.613	0.4387							0.9980		0.9900
1,2-Dichloropropane	0.3159 0.3286	0.2928 0.3402	0.2805 0.3288	0.2912	0.2853	Ave		0.3079				7.5		35.0			
1,4-Dioxane	0.0016 +++++	0.0026 +++++	0.0022 +++++	0.0027	0.0026	Ave		0.0023				19.3		35.0			
Dibromomethane	0.1632 0.1545	0.1404 0.1616	0.1227 0.1663	0.1306	0.1370	Ave		0.1471				11.2		35.0			
Dichlorobromomethane	0.3080 0.3463	0.2998 0.3723	0.2806 0.3679	0.2937	0.3044	Ave		0.3216				11.0		35.0			
cis-1,3-Dichloropropene	0.2809 +++++	0.3127 +++++	0.3032 +++++	0.3349	0.3472	Ave		0.3158				8.3		35.0			
4-Methyl-2-pentanone (MIBK)	0.3018 1.3928	0.9902 1.4403	1.0057 1.4520	1.1740	1.2797	Lin2	-28.33	1.4448							0.9940		0.9900
Toluene	4.5220 6.3200	5.4042 6.2658	5.2341 5.6386	5.9614	5.5302	Ave		5.6096				10.5		35.0			
Ethyl methacrylate	0.6549 1.5276	0.8992 1.5985	0.9595 +++++	1.1413	1.1962	Qua1	-0.957	0.8236	0.0039578						1.0000		0.9900
trans-1,3-Dichloropropene	1.2680 1.8018	1.3461 +++++	1.3499 +++++	1.5540	1.5855	Ave		1.4842				13.5		35.0			
1,1,2-Trichloroethane	1.1542 1.1099	1.0740 1.1416	0.9817 1.1462	1.0507	1.0240	Ave		1.0853				5.8		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

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								
Tetrachloroethene	1.0582 1.1719	1.1097 1.1103	1.0269 0.9497	1.1186	1.0020	Ave		1.0684				6.8		35.0			
2-Hexanone	0.1974 0.9151	0.6330 0.9481	0.6560 0.9555	0.7828	0.8619	Lin2	-18.94	0.9544							0.9950		0.9900
1,3-Dichloropropane	1.7398 2.1614	1.9078 2.2078	1.7978 2.2006	1.9639	1.9890	Ave		1.9960				9.0		35.0			
Chlorodibromomethane	0.9690 0.9937	0.8335 1.0408	0.7824 1.0536	0.8498	0.8645	Ave		0.9234				11.2		35.0			
Ethylene Dibromide	1.0821 1.0371	0.8999 1.0848	0.8335 1.1005	0.9440	0.9236	Ave		0.9882				10.2		35.0			
Chlorobenzene	3.0768 3.6083	3.3199 3.6779	3.0822 3.4786	3.3594	3.2699	Ave		3.3591			0.3000	6.6		35.0			
Ethylbenzene	1.2623 +++++	1.6548 +++++	1.7182 +++++	1.9678	1.9069	Lin1	-4.006	1.9290							0.9970		0.9900
1,1,1,2-Tetrachloroethane	1.1042 1.1591	1.0406 1.1885	0.9882 1.1380	1.0490	1.0390	Ave		1.0883				6.4		35.0			
m-Xylene & p-Xylene	1.5196 2.6428	2.0686 2.6816	2.1012 2.4285	2.4267	2.3118	Lin1	-7.408	2.5486							0.9950		0.9900
o-Xylene	1.3440 +++++	1.8513 +++++	1.8937 +++++	2.2106	2.1869	Ave		1.8973				18.5		35.0			
Styrene	1.7359 3.8471	2.6274 3.9924	2.9210 3.8042	3.3776	3.3382	Lin1	-16.52	3.8210							0.9940		0.9900
Bromoform	0.4490 0.4836	0.3947 +++++	0.3659 +++++	0.4167	0.4291	Ave		0.4232			0.1000	9.7		35.0			
Isopropylbenzene	3.1624 6.7009	4.8909 6.7433	5.0915 5.9526	5.9782	5.6968	Lin2	-15.52	6.1052							0.9910		0.9900
1,1,2,2-Tetrachloroethane	1.1179 1.2429	1.1301 1.2774	1.0361 1.2783	1.1474	1.1232	Ave		1.1692			0.3000	7.5		35.0			
trans-1,4-Dichloro-2-butene	0.1858 +++++	0.1964 +++++	0.1866 +++++	0.2199	0.2231	Lin1	-0.251	0.2165							0.9940		0.9900
1,2,3-Trichloropropane	0.3607 0.3535	0.3130 0.3477	0.2707 0.3516	0.2883	0.2909	Ave		0.3221				11.0		35.0			
Bromobenzene	0.8263 0.9866	0.8833 1.0224	0.8022 0.9798	0.8845	0.8387	Ave		0.9030				9.2		35.0			
N-Propylbenzene	0.5274 +++++	0.9275 +++++	0.9722 +++++	1.0946	1.0057	Lin2	-2.665	1.0565							0.9980		0.9900

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.7214 1.0081	0.8449 1.0161	0.8244 0.9179	0.8819	0.8384	Ave		0.8817				11.1		35.0			
1,3,5-Trimethylbenzene	1.7493 3.7095	2.7697 3.7534	2.8670 3.3608	3.2587	3.0426	Lin2	-8.574	3.3833							0.9920		0.9900
4-Chlorotoluene	0.6981 1.0377	0.8911 1.0498	0.8467 0.9556	0.8993	0.8523	Ave		0.9038				12.6		35.0			
tert-Butylbenzene	1.6104 +++++	2.4442 +++++	2.5351 +++++	2.8561	2.7116	Lin2	-5.841	2.7625							0.9980		0.9900
1,2,4-Trimethylbenzene	1.6725 3.6374	2.5933 3.7290	2.8505 3.3998	3.1256	3.0266	Lin2	-8.808	3.3325							0.9900		0.9900
sec-Butylbenzene	2.0207 +++++	2.9908 +++++	3.2007 +++++	3.5807	3.3735	Lin2	-7.252	3.4442							0.9980		0.9900
4-Isopropyltoluene	1.5384 3.3810	2.2364 3.3673	2.4988 2.9686	2.8007	2.6553	Lin1	-12.60	3.1502							0.9900		0.9900
1,3-Dichlorobenzene	1.6367 1.7664	1.6166 1.8002	1.5231 1.6797	1.6249	1.4947	Ave		1.6428				6.5		35.0			
1,4-Dichlorobenzene	1.7449 1.7842	1.6666 1.8305	1.4985 1.7260	1.5973	1.4907	Ave		1.6673				7.7		35.0			
n-Butylbenzene	1.2723 +++++	1.7320 +++++	1.8072 +++++	2.1267	2.0241	Lin1	-4.747	2.0615							0.9960		0.9900
1,2-Dichlorobenzene	1.2492 1.5876	1.4055 1.6233	1.3446 1.5560	1.4026	1.3390	Ave		1.4385				9.4		35.0			
1,2-Dibromo-3-Chloropropane	0.0855 0.1012	0.0877 0.1101	0.0712 +++++	0.0868	0.0921	Ave		0.0906				13.7		35.0			
1,2,4-Trichlorobenzene	0.3838 0.4184	0.2596 0.4910	0.2955 +++++	0.3458	0.3699	Ave		0.3663				21.0		35.0			
Hexachlorobutadiene	0.2946 +++++	0.2060 +++++	0.1693 +++++	0.2015	0.2057	Lin2	0.5433	0.1846							0.9900		0.9900
Naphthalene	0.3087 0.8664	0.4442 1.1672	0.4865 +++++	0.6296	0.7402	Qua1	-0.002	0.3182	0.0038344						0.9900		0.9900
1,2,3-Trichlorobenzene	0.1487 +++++	0.1760 +++++	0.1782 +++++	0.2142	0.2411	Ave		0.1916				18.9		35.0			
Dibromofluoromethane (Surr)	+++++ 0.2150	0.2002 0.2142	0.1963 0.2246	0.2133	0.2188	Ave		0.2118				4.7		35.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3235	0.3134 0.3476	0.3117 0.3351	0.3391	0.3349	Ave		0.3293				4.1		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

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								
Toluene-d8 (Surr)	+++++ 4.5918	4.0205 +++++	4.2011 +++++	4.9063	4.6867	Ave		4.4813				8.1		35.0			
4-Bromofluorobenzene (Surr)	+++++ 1.5412	1.3171 1.5155	1.3470 1.5649	1.5401	1.5866	Ave		1.4875				7.3		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	15100 745184	114668 872601	211611 883329	320843	380353	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	18021 842498	129580 1036786	248965 1134366	370456	455985	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	14342 741670	102139 888095	209380 921287	322115	378968	5.00 175	25.0 200	50.0 250	75.0	100
Butadiene	FB	Lin2	22306 839154	130544 1007668	248954 +++++	362414	449318	5.00 175	25.0 200	50.0 +++++	75.0	100
Bromomethane	FB	Ave	9885 385310	65937 470832	124315 525833	176620	211505	5.00 175	25.0 200	50.0 250	75.0	100
Chloroethane	FB	Ave	11007 473377	72826 578080	146861 619755	209637	247684	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorofluoromethane	FB	Ave	24299 1128742	169984 1329027	321208 1518170	505716	599410	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	20380 1009276	148883 1192370	282317 1223795	440636	516831	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl ether	FB	Ave	9870 513339	70198 664453	140605 858517	207230	273468	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethene	FB	Ave	9528 476297	66191 579907	137717 598741	206606	242319	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	12537 535828	79091 638062	160060 655389	236412	278619	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Ave	15200 460912	65322 571930	131973 +++++	200998	269581	25.0 350	50.0 400	100 +++++	150	200
Iodomethane	FB	Ave	13221	101289	198968	293049	360930	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			679025	850385	1001720			175	200	250		
Carbon disulfide	FB	Ave	29575 1435357	202428 1752803	399135 1850851	617437	738892	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Ave	17788 946033	128474 1200806	249701 1552385	373766	497821	10.0 350	50.0 400	100 500	150	200
3-Chloro-1-propene	FB	Ave	5735 311579	39071 388186	77619 431280	125459	155658	5.00 175	25.0 200	50.0 250	75.0	100
Methylene Chloride	FB	Lin1	24279 565880	103446 733511	181307 880652	261013	331688	5.00 175	25.0 200	50.0 250	75.0	100
2-Methyl-2-propanol	TBAd9	Ave	7780 475429	58270 647659	118829 840352	191081	251818	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	46376 2593990	327197 3285828	654687 4319686	986461	1366935	50.0 1750	250 2000	500 2500	750	1000
Methyl tert-butyl ether	FB	Ave	22607 +++++	182603 +++++	385370 +++++	587228	790136	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
trans-1,2-Dichloroethene	FB	Ave	13973 581182	81719 722420	167597 +++++	254097	308160	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexane	FB	Ave	15606 994929	126043 1195781	270509 1217455	418312	500285	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	23812 1120797	163631 1402144	321385 1621674	481915	588048	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Ave	13993 618125	82848 751617	170571 963829	263964	345063	25.0 350	50.0 400	100 500	150	200
cis-1,2-Dichloroethene	FB	Ave	14197 621793	87746 781917	178932 932012	260676	329821	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	3995 141690	20339 174589	41473 197160	64829	74624	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	7039 262957	39132 340592	79182 418685	110149	142503	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Ave	5800 +++++	44726 +++++	86225 +++++	144297	189452	10.0 +++++	50.0 +++++	100 +++++	150	200
Chloroform	FB	Ave	23020 1006069	152940 1265843	293828 1501363	430197	547876	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	18558 911477	127299 1117814	256757 1192137	383543	461491	5.00 175	25.0 200	50.0 250	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Cyclohexane	FB	Ave	16756 +++++	162905 +++++	348015 +++++	552246	660324	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,1-Dichloropropene	FB	Ave	12438 848242	112793 1024928	229994 1086528	359640	427465	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	14422 741993	101701 904067	203487 963658	309994	384021	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	6302 516882	62896 619287	135216 836215	203253	272246	125 4375	625 5000	1250 6250	1875	2500
Benzene	FB	Ave	44151 2460058	349539 3081445	706559 3568216	1058727	1311296	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane	FB	Ave	17919 885871	125186 1143818	250519 1414230	369204	484339	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	9622 +++++	95199 +++++	205898 +++++	327628	396995	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Trichloroethene	FB	Ave	11858 597793	79520 740156	161565 826397	245968	309674	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Lin1	13582 +++++	117937 +++++	269442 +++++	430749	519081	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichloropropane	FB	Ave	12607 641556	89018 812076	185021 982978	276915	344371	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Ave	1282 +++++	15731 +++++	28629 +++++	50467	63524	100 +++++	500 +++++	1000 +++++	1500	2000
Dibromomethane	FB	Ave	6515 301698	42697 385788	80957 497257	124213	165406	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorobromomethane	FB	Ave	12293 676108	91154 888638	185098 1099771	279238	367432	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	11209 +++++	95065 +++++	199982 +++++	318495	419042	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Lin2	11808 1169372	121912 1523082	275582 1964437	437185	632990	25.0 350	50.0 400	100 500	150	200
Toluene	CBNZ d5	Ave	35382 2653112	332676 3312951	717146 3814402	1110024	1367785	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl methacrylate	CBNZ d5	Qual	5124	55352	131471	212514	295851	5.00	25.0	50.0	75.0	100

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			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
			641291	845208	+++++			175	200	+++++		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9921	82864	184951	289357	392133	5.00	25.0	50.0	75.0	100
			756371	+++++	+++++			175	+++++	+++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	9031	66115	134502	195646	253265	5.00	25.0	50.0	75.0	100
			465914	603597	775365			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	8280	68314	140697	208287	247815	5.00	25.0	50.0	75.0	100
			491949	587064	642453			175	200	250		
2-Hexanone	CBNZ d5	Lin2	7721	77932	179769	291515	426355	25.0	50.0	100	150	200
			768293	1002573	1292763			350	400	500		
1,3-Dichloropropane	CBNZ d5	Ave	13613	117445	246320	365690	491938	5.00	25.0	50.0	75.0	100
			907330	1167354	1488680			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	7582	51311	107194	158226	213808	5.00	25.0	50.0	75.0	100
			417139	550292	712707			175	200	250		
Ethylene Dibromide	CBNZ d5	Ave	8467	55399	114200	175768	228424	5.00	25.0	50.0	75.0	100
			435350	573575	744456			175	200	250		
Chlorobenzene	CBNZ d5	Ave	24074	204372	422306	625528	808748	5.00	25.0	50.0	75.0	100
			1514759	1944620	2353188			175	200	250		
Ethylbenzene	CBNZ d5	Lin1	9877	101870	235411	366401	471639	5.00	25.0	50.0	75.0	100
			+++++	+++++	+++++			+++++	+++++	+++++		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	8640	64060	135396	195319	256974	5.00	25.0	50.0	75.0	100
			486580	628411	769833			175	200	250		
m-Xylene & p-Xylene	CBNZ d5	Lin1	11890	127340	287895	451860	571765	5.00	25.0	50.0	75.0	100
			1109435	1417879	1642810			175	200	250		
o-Xylene	CBNZ d5	Ave	10516	113965	259461	411614	540887	5.00	25.0	50.0	75.0	100

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			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Styrene	CBNZ d5	Lin1	13582 1614997	161739 2110939	400221 2573458	628910	825621	5.00 175	25.0 200	50.0 250	75.0	100
Bromoform	CBNZ d5	Ave	3513 203002	24298 +++++	50138 +++++	77584	106125	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Isopropylbenzene	CBNZ d5	Lin2	24744 2813005	301078 3565423	697612 4026784	1113157	1408969	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	8747 521753	69569 675427	141959 864759	213640	277793	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	1691 +++++	16173 +++++	35641 +++++	58585	79996	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichloropropane	DCBd 4	Ave	3283 199230	25775 247013	51720 321244	76804	104336	5.00 175	25.0 200	50.0 250	75.0	100
Bromobenzene	DCBd 4	Ave	7521 556036	72739 726350	153267 895171	235613	300790	5.00 175	25.0 200	50.0 250	75.0	100
N-Propylbenzene	DCBd 4	Lin2	4800 +++++	76375 +++++	185732 +++++	291584	360684	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
2-Chlorotoluene	DCBd 4	Ave	6566 568129	69577 721911	157509 838635	234928	300694	5.00 175	25.0 200	50.0 250	75.0	100
1,3,5-Trimethylbenzene	DCBd 4	Lin2	15922 2090582	228077 2666591	547749 3070571	868101	1091183	5.00 175	25.0 200	50.0 250	75.0	100
4-Chlorotoluene	DCBd 4	Ave	6354 584830	73375 745803	161761 873110	239558	305646	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butylbenzene	DCBd 4	Lin2	14657	201268	484325	760834	972480	5.00	25.0	50.0	75.0	100

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SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

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			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
			+++++	+++++	+++++			+++++	+++++	+++++		
1,2,4-Trimethylbenzene	DCBd 4	Lin2	15223 2049989	213549 2649257	544585 3106150	832643	1085440	5.00 175	25.0 200	50.0 250	75.0	100
sec-Butylbenzene	DCBd 4	Lin2	18392 +++++	246277 +++++	611500 +++++	953872	1209838	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Isopropyltoluene	DCBd 4	Lin1	14002 1905453	184162 2392283	477404 2712218	746098	952271	5.00 175	25.0 200	50.0 250	75.0	100
1,3-Dichlorobenzene	DCBd 4	Ave	14897 995523	133121 1278992	290984 1534633	432864	536034	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dichlorobenzene	DCBd 4	Ave	15882 1005518	137239 1300467	286286 1576970	425521	534620	5.00 175	25.0 200	50.0 250	75.0	100
n-Butylbenzene	DCBd 4	Lin1	11580 +++++	142620 +++++	345263 +++++	566543	725923	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichlorobenzene	DCBd 4	Ave	11370 894741	115741 1153305	256894 1421657	373634	480221	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	778 57027	7222 78220	13602 +++++	23117	33014	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,4-Trichlorobenzene	DCBd 4	Ave	3493 235785	21377 348851	56447 +++++	92114	132642	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexachlorobutadiene	DCBd 4	Lin2	2681 +++++	16964 +++++	32342 +++++	53676	73784	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Naphthalene	DCBd 4	Qua1	2810 488279	36580 829265	92946 +++++	167731	265474	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,3-Trichlorobenzene	DCBd 4	Ave	1353	14493	34052	57048	86456	5.00	25.0	50.0	75.0	100

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			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Dibromofluoromethane (Surr)	FB	Ave	+++++ 419791	60872 511421	129483 671299	202846	264067	+++++ 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 631604	95285 829657	205588 1001784	322447	404191	+++++ 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 1927595	247496 +++++	575603 +++++	913565	1159160	+++++ 175	25.0 +++++	50.0 +++++	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 647000	81079 801286	184556 1058585	286771	392420	+++++ 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD

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READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

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Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

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Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	9.2 5.5	8.9 -14.7	-7.4	-2.6	-9.0	10.2	50 30	30 30	30	30	30	30
Chloromethane	10.5 6.3	4.3 -7.1	-7.6	-4.6	-7.5	5.6	50 30	30 30	30	30	30	30
Vinyl chloride	5.5 9.2	-1.4 -9.5	-6.8	-0.6	-7.8	11.5	50 30	30 30	30	30	30	30
Butadiene	0.6 7.4	1.7 +++++	-7.3	-5.0	-6.5	9.2	50 30	30	30	30	30	30
Bromomethane	25.1 -0.4	9.5 -11.2	-4.8	-6.2	-11.5	-0.4	50 30	30 30	30	30	30	30
Chloroethane	18.9 4.4	3.3 -10.6	-4.0	-5.0	-11.5	4.5	50 30	30 30	30	30	30	30
Dichlorofluoromethane	12.6 3.0	3.4 -6.1	-9.9	-1.7	-8.2	6.9	50 30	30 30	30	30	30	30
Trichlorofluoromethane	9.1 6.7	4.6 -12.6	-8.6	-1.0	-8.5	10.4	50 30	30 30	30	30	30	30
Ethyl ether	0.7 13.4	-6.0 17.0	-13.2	-11.2	-7.7	7.1	50 30	30 30	30	30	30	30
1,1-Dichloroethene	7.9 9.8	-1.6 -9.5	-5.7	-1.8	-9.3	10.2	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	22.2 3.9	1.1 -14.7	-5.6	-3.3	-10.2	6.7	50 30	30 30	30	30	30	30
Acetone	-27.8 13.5	1.8 +++++	-5.2	0.1	5.8	11.8	50 30	30	30	30	30	30
Iodomethane	1.4 9.1	2.0 2.6	-7.6	-5.6	-8.4	6.5	50 30	30 30	30	30	30	30
Carbon disulfide	10.6 9.6	-0.7 -7.6	-9.7	-3.1	-8.7	9.7	50 30	30 30	30	30	30	30

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	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	0.2 13.1	-5.0 16.7	-14.9	-11.7	-7.3	8.9	50 30	30 30	30	30	30	30
3-Chloro-1-propene	2.9 16.4	-8.0 3.3	-15.7	-5.5	-7.7	14.3	50 30	30 30	30	30	30	30
Methylene Chloride	18.7 6.5	1.2 2.5	-12.3	-9.2	-7.4	0.0	50 30	30 30	30	30	30	30
2-Methyl-2-propanol	-13.3 9.5	-4.2 20.6	-6.3	0.5	-4.8	-2.0	50 30	30 30	30	30	30	30
Acrylonitrile	-2.7 15.3	-9.9 21.0	-16.9	-13.1	-5.1	11.3	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	-6.3 +++++	-0.7 +++++	-3.4	2.1	8.3	+++++	50	30	30	30	30	
trans-1,2-Dichloroethene	22.8 6.1	-5.7 +++++	-10.9	-6.3	-10.5	4.4	50 30	30	30	30	30	30
Hexane	-10.3 14.9	-4.9 -6.6	-5.9	0.9	-4.9	16.9	50 30	30 30	30	30	30	30
1,1-Dichloroethane	10.5 8.8	-0.3 0.5	-9.8	-6.1	-9.8	6.3	50 30	30 30	30	30	30	30
2-Butanone (MEK)	-48.7 15.1	-0.4 17.9	-5.5	1.5	4.5	15.7	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	17.6 8.2	-4.6 3.0	-10.4	-9.4	-9.7	5.2	50 30	30 30	30	30	30	30
2,2-Dichloropropane	40.1 2.4	-6.4 -7.7	-12.0	-4.6	-13.5	1.6	50 30	30 30	30	30	30	30
Chlorobromomethane	31.1 6.0	-4.3 4.1	-10.8	-13.9	-12.3	0.1	50 30	30 30	30	30	30	30
Tetrahydrofuran	-0.7 +++++	0.5 +++++	-10.7	3.7	7.2	+++++	50	30	30	30	30	
Chloroform	16.0 6.6	1.1 1.0	-10.4	-9.0	-8.7	3.6	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	9.7 10.4	-1.3 -6.0	-8.2	-4.9	-9.8	10.1	50 30	30 30	30	30	30	30
Cyclohexane	-19.6 +++++	2.6 +++++	1.0	11.2	4.8	+++++	50	30	30	30	30	
1,1-Dichloropropene	-16.6 14.8	-0.8 -2.8	-6.7	1.2	-5.3	16.2	50 30	30 30	30	30	30	30
Carbon tetrachloride	5.9 11.0	-2.0 -5.5	-9.6	-4.5	-6.8	11.4	50 30	30 30	30	30	30	30

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Isobutyl alcohol	-30.3 14.5	-8.7 23.4	-9.5	-5.7	-0.5	16.8	50 30	30 30	30	30	30	30
Benzene	-4.5 11.4	-0.8 3.0	-7.6	-3.9	-6.3	8.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane	4.5 11.6	-4.1 10.2	-11.6	-9.6	-6.6	5.6	50 30	30 30	30	30	30	30
n-Heptane	-21.7 +++++	1.7 +++++	1.4	11.9	6.8	+++++	50	30	30	30	30	
Trichloroethene	7.5 12.2	-5.4 0.0	-11.4	-6.4	-7.2	10.8	50 30	30 30	30	30	30	30
Methylcyclohexane	5.5 +++++	-6.0 +++++	-4.1	5.1	-0.6	+++++	50	30	30	30	30	
1,2-Dichloropropane	2.6 10.5	-4.9 6.8	-8.9	-5.4	-7.3	6.7	50 30	30 30	30	30	30	30
1,4-Dioxane	-31.1 +++++	11.0 +++++	-6.8	13.9	13.0	+++++	50	30	30	30	30	
Dibromomethane	11.0 9.9	-4.5 13.1	-16.5	-11.2	-6.8	5.1	50 30	30 30	30	30	30	30
Dichlorobromomethane	-4.2 15.7	-6.8 14.4	-12.8	-8.7	-5.3	7.7	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-11.1 +++++	-1.0 +++++	-4.0	6.1	9.9	+++++	50	30	30	30	30	
4-Methyl-2-pentanone (MIBK)	-0.7 4.6	7.8 4.4	-10.8	-5.7	-1.6	2.0	50 30	30 30	30	30	30	30
Toluene	-19.4 11.7	-3.7 0.5	-6.7	6.3	-1.4	12.7	50 30	30 30	30	30	30	30
Ethyl methacrylate	0.3 -0.5	1.5 +++++	-3.5	2.4	-0.8	0.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-14.6 +++++	-9.3 +++++	-9.1	4.7	6.8	21.4	50	30	30	30	30	30
1,1,2-Trichloroethane	6.4 5.2	-1.0 5.6	-9.5	-3.2	-5.6	2.3	50 30	30 30	30	30	30	30
Tetrachloroethene	-1.0 3.9	3.9 -11.1	-3.9	4.7	-6.2	9.7	50 30	30 30	30	30	30	30
2-Hexanone	0.0 4.3	6.0 4.1	-11.4	-4.8	0.2	1.5	50 30	30 30	30	30	30	30
1,3-Dichloropropane	-12.8 10.6	-4.4 10.3	-9.9	-1.6	-0.4	8.3	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodibromomethane	4.9 12.7	-9.7 14.1	-15.3	-8.0	-6.4	7.6	50 30	30 30	30	30	30	30
Ethylene Dibromide	9.5 9.8	-8.9 11.4	-15.7	-4.5	-6.5	4.9	50 30	30 30	30	30	30	30
Chlorobenzene	-8.4 9.5	-1.2 3.6	-8.2	0.0	-2.7	7.4	50 30	30 30	30	30	30	30
Ethylbenzene	7.0 +++++	-5.9 +++++	-6.8	4.8	0.9	+++++	50	30	30	30	30	
1,1,1,2-Tetrachloroethane	1.5 9.2	-4.4 4.6	-9.2	-3.6	-4.5	6.5	50 30	30 30	30	30	30	30
m-Xylene & p-Xylene	17.8 6.7	-7.2 -3.5	-11.7	-0.9	-6.4	5.4	50 30	30 30	30	30	30	30
o-Xylene	-29.2 +++++	-2.4 +++++	-0.2	16.5	15.3	+++++	50	30	30	30	30	
Styrene	31.9 6.6	-13.9 1.3	-14.9	-5.8	-8.3	3.2	50 30	30 30	30	30	30	30
Bromoform	6.1 +++++	-6.7 +++++	-13.5	-1.5	1.4	14.3	50	30	30	30	30	30
Isopropylbenzene	2.6 11.7	-9.7 -1.5	-11.5	1.3	-4.1	11.2	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.4 9.3	-3.3 9.3	-11.4	-1.9	-3.9	6.3	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	8.9 +++++	-4.7 +++++	-11.5	3.1	4.2	+++++	50	30	30	30	30	
1,2,3-Trichloropropane	12.0 8.0	-2.8 9.2	-15.9	-10.5	-9.7	9.8	50 30	30 30	30	30	30	30
Bromobenzene	-8.5 13.2	-2.2 8.5	-11.2	-2.1	-7.1	9.3	50 30	30 30	30	30	30	30
N-Propylbenzene	0.4 +++++	-2.1 +++++	-2.9	7.0	-2.3	+++++	50	30	30	30	30	
2-Chlorotoluene	-18.2 15.3	-4.2 4.1	-6.5	0.0	-4.9	14.3	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	2.4 12.2	-8.0 0.3	-10.2	-0.3	-7.5	11.1	50 30	30 30	30	30	30	30
4-Chlorotoluene	-22.8 16.1	-1.4 5.7	-6.3	-0.5	-5.7	14.8	50 30	30 30	30	30	30	30
tert-Butylbenzene	0.6 +++++	-3.1 +++++	-4.0	6.2	0.3	+++++	50	30	30	30	30	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	3.0 13.2	-11.6 3.1	-9.2	-2.7	-6.5	10.7	50 30	30 30	30	30	30	30
sec-Butylbenzene	0.8 +++++	-4.7 +++++	-2.9	6.8	0.1	+++++	50	30	30	30	30	
4-Isopropyltoluene	28.8 8.9	-13.0 -4.2	-12.7	-5.8	-11.7	9.6	50 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-0.4 9.6	-1.6 2.2	-7.3	-1.1	-9.0	7.5	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	4.7 9.8	0.0 3.5	-10.1	-4.2	-10.6	7.0	50 30	30 30	30	30	30	30
n-Butylbenzene	7.8 +++++	-6.8 +++++	-7.7	6.2	0.5	+++++	50	30	30	30	30	
1,2-Dichlorobenzene	-13.2 12.8	-2.3 8.2	-6.5	-2.5	-6.9	10.4	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-5.7 21.5	-3.2 +++++	-21.5	-4.3	1.6	11.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	4.8 34.1 *	-29.1 +++++	-19.3	-5.6	1.0	14.2	50 30	30	30	30	30	30
Hexachlorobutadiene	0.7 +++++	-0.2 +++++	-14.2	5.2	8.5	+++++	50	30	30	30	30	
Naphthalene	-8.0 4.4	5.9 +++++	-3.4	2.6	3.5	-7.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-22.4 +++++	-8.2 +++++	-7.0	11.8	25.8	+++++	50	30	30	30	30	
Dibromofluoromethane (Surr)	+++++ 1.2	-5.5 6.0	-7.3	0.7	3.3	1.5	30	50 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	+++++ 5.5	-4.8 1.8	-5.4	3.0	1.7	-1.8	30	50 30	30	30	30	30
Toluene-d8 (Surr)	+++++ +++++	-10.3 +++++	-6.3	9.5	4.6	2.5		50	30	30	30	30
4-Bromofluorobenzene (Surr)	+++++ 1.9	-11.5 5.2	-9.4	3.5	6.7	3.6	30	50 30	30	30	30	30

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2020 10:26:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-009
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:30:50 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	90	208021	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	98	608098	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	90	123118	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	97	164692	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	92	60872	25.0	23.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	97	95285	25.0	23.8	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	95	247496	25.0	22.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	81079	25.0	22.1	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	98	114668	25.0	27.2	
12 Chloromethane	50	3.857	3.857	0.000	99	129580	25.0	26.1	
13 Vinyl chloride	62	4.137	4.137	0.000	97	102139	25.0	24.7	
14 Butadiene	39	4.210	4.198	0.012	96	130544	25.0	25.4	
15 Bromomethane	94	4.848	4.837	0.011	88	65937	25.0	27.4	
16 Chloroethane	64	5.104	5.105	-0.001	99	72826	25.0	25.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	169984	25.0	25.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	99	148883	25.0	26.1	
20 Ethyl ether	59	6.120	6.120	0.000	95	70198	25.0	23.5	
22 1,1-Dichloroethene	96	6.509	6.504	0.005	93	66191	25.0	24.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.564	6.558	0.006	92	79091	25.0	25.3	
24 Acetone	43	6.594	6.595	-0.001	98	65322	50.0	50.9	
25 Iodomethane	142	6.753	6.741	0.012	99	101289	25.0	25.5	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	202428	25.0	24.8	
30 Methyl acetate	43	7.075	7.069	0.006	97	128474	50.0	47.5	
29 3-Chloro-1-propene	76	7.099	7.082	0.017	92	39071	25.0	23.0	
31 Methylene Chloride	84	7.282	7.276	0.006	88	103446	25.0	25.3	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	93	58270	250.0	239.5	
33 Acrylonitrile	53	7.616	7.617	-0.001	100	327197	250.0	225.3	
35 Methyl tert-butyl ether	73	7.647	7.641	0.006	96	182603	25.0	24.8	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	95	81719	25.0	23.6	
36 Hexane	57	8.012	8.012	0.000	94	126043	25.0	23.8	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	97	163631	25.0	24.9	
44 2-Butanone (MEK)	43	8.894	8.882	0.012	100	82848	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	87	87746	25.0	23.8	
42 2,2-Dichloropropane	97	8.930	8.925	0.005	74	20339	25.0	23.4	
48 Chlorobromomethane	128	9.192	9.180	0.012	94	39132	25.0	23.9	
49 Tetrahydrofuran	42	9.210	9.211	-0.001	44	44726	50.0	50.2	
50 Chloroform	83	9.277	9.284	-0.007	95	152940	25.0	25.3	
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	96	127299	25.0	24.7	
52 Cyclohexane	56	9.569	9.570	-0.001	94	162905	25.0	25.6	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	112793	25.0	24.8	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	92	101701	25.0	24.5	
55 Isobutyl alcohol	41	9.703	9.698	0.005	87	62896	625.0	570.5	
56 Benzene	78	9.879	9.880	-0.001	99	349539	25.0	24.8	
57 1,2-Dichloroethane	62	9.910	9.917	-0.007	96	125186	25.0	24.0	
59 n-Heptane	43	10.123	10.117	0.006	92	95199	25.0	25.4	
61 Trichloroethene	130	10.543	10.543	0.000	96	79520	25.0	23.7	
63 Methylcyclohexane	83	10.798	10.793	0.005	88	117937	25.0	23.5	
64 1,2-Dichloropropane	63	10.810	10.811	-0.001	74	89018	25.0	23.8	
65 1,4-Dioxane	88	10.865	10.859	0.006	88	15731	500.0	555.2	
67 Dibromomethane	93	10.908	10.908	0.000	96	42697	25.0	23.9	
68 Dichlorobromomethane	83	11.066	11.060	0.006	97	91154	25.0	23.3	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	91	95065	25.0	24.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	121912	50.0	53.9	
73 Toluene	91	11.838	11.839	-0.001	98	332676	25.0	24.1	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	71	55352	25.0	25.4	
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	93	82864	25.0	22.7	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	93	66115	25.0	24.7	
77 Tetrachloroethene	164	12.368	12.368	0.000	94	68314	25.0	26.0	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	95	117445	25.0	23.9	
79 2-Hexanone	43	12.416	12.417	-0.001	60	77932	50.0	53.0	
81 Chlorodibromomethane	129	12.654	12.654	0.000	90	51311	25.0	22.6	
82 Ethylene Dibromide	107	12.806	12.800	0.006	99	55399	25.0	22.8	
84 Chlorobenzene	112	13.280	13.275	0.005	94	204372	25.0	24.7	
87 Ethylbenzene	106	13.341	13.342	-0.001	99	101870	25.0	23.5	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	45	64060	25.0	23.9	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	98	127340	25.0	23.2	
89 o-Xylene	106	13.864	13.865	-0.001	96	113965	25.0	24.4	
90 Styrene	104	13.882	13.877	0.005	93	161739	25.0	21.5	
91 Bromoform	173	14.108	14.102	0.006	95	24298	25.0	23.3	
93 Isopropylbenzene	105	14.217	14.218	-0.001	96	301078	25.0	22.6	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	97	69569	25.0	24.2	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	37	16173	25.0	23.8	
98 1,2,3-Trichloropropane	110	14.606	14.595	0.011	57	25775	25.0	24.3	
95 Bromobenzene	156	14.600	14.601	-0.001	91	72739	25.0	24.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	76375	25.0	24.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	69577	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	228077	25.0	23.0	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	98	73375	25.0	24.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	201268	25.0	24.2	
106 1,2,4-Trimethylbenzene	105	15.196	15.203	-0.007	98	213549	25.0	22.1	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	246277	25.0	23.8	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	184162	25.0	21.7	
109 1,3-Dichlorobenzene	146	15.561	15.556	0.005	97	133121	25.0	24.6	
111 1,4-Dichlorobenzene	146	15.665	15.659	0.006	93	137239	25.0	25.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	142620	25.0	23.3	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	95	115741	25.0	24.4	
118 1,2-Dibromo-3-Chloropropane	75	16.790	16.785	0.005	67	7222	25.0	24.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	93	21377	25.0	17.7	
123 Hexachlorobutadiene	225	17.691	17.697	-0.006	94	16964	25.0	25.0	
124 Naphthalene	128	17.879	17.880	-0.001	97	36580	25.0	26.5	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	93	14493	25.0	23.0	
S 130 1,2-Dichloroethene, Total	96				0		50.0	47.4	
S 131 Xylenes, Total	106				0		50.0	47.6	
S 154 Total BTEX	1				0		125.0	120.0	
S 132 1,3-Dichloropropene, Total	1				0		50.0	47.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260VOAPRi_00429	Amount Added:	1.00	Units: uL
VOA8260SURR_00112	Amount Added:	1.00	Units: uL
VOAKETPRI_00005	Amount Added:	1.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

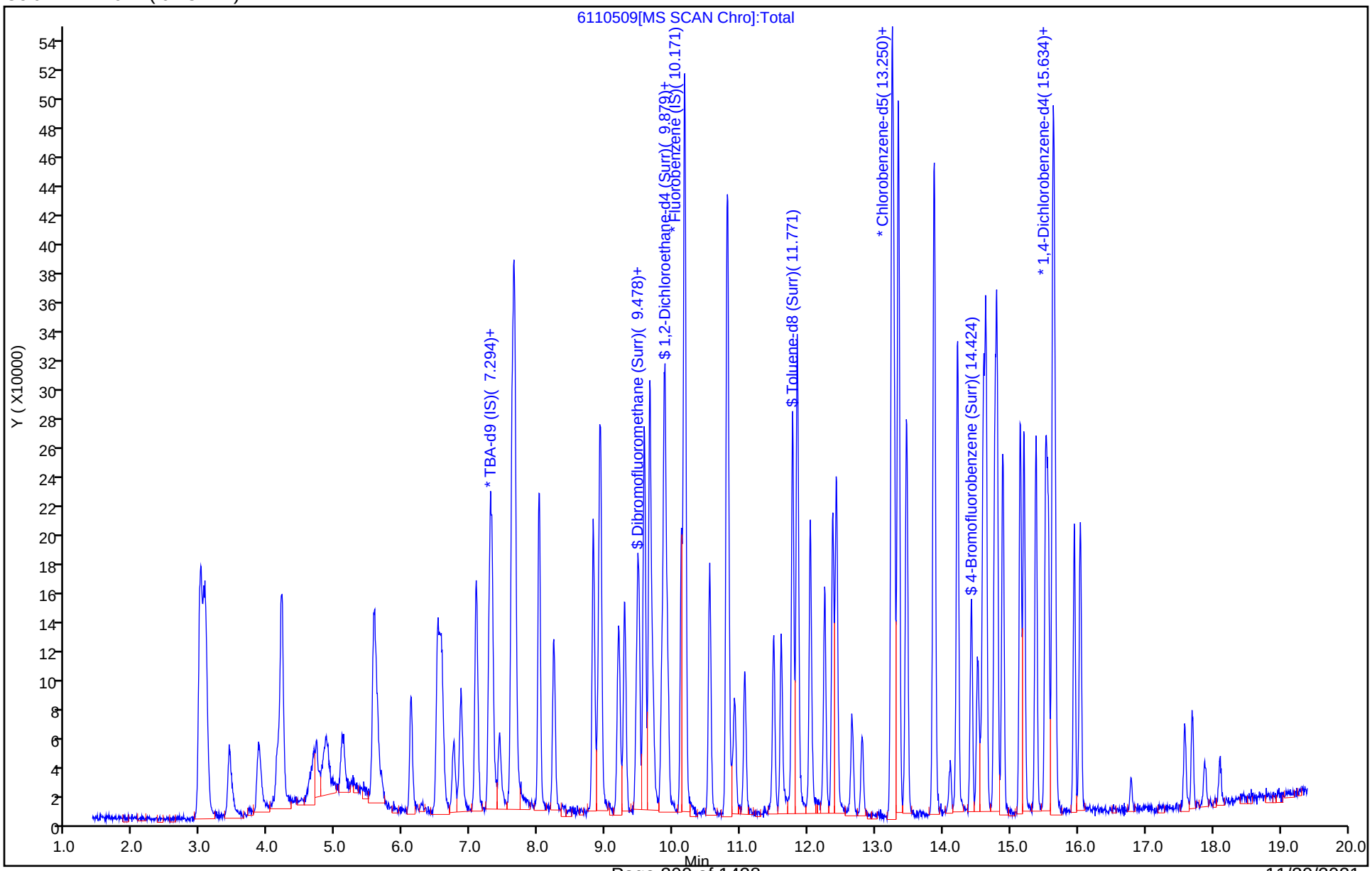
Report Date: 08-Nov-2020 13:30:52 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D

Injection Date:	05-Nov-2020 10:26:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Nov-2020 10:53:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-010
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:30:57 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	91	216733	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	659614	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	137014	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	191051	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	92	129483	50.0	46.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.837	0.000	93	205588	50.0	47.3	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	575603	50.0	46.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	184556	50.0	45.3	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	211611	50.0	46.3	
12 Chloromethane	50	3.857	3.857	0.000	99	248965	50.0	46.2	
13 Vinyl chloride	62	4.137	4.137	0.000	98	209380	50.0	46.6	
14 Butadiene	39	4.192	4.192	0.000	95	248954	50.0	46.3	
15 Bromomethane	94	4.861	4.861	0.000	91	124315	50.0	47.6	
16 Chloroethane	64	5.105	5.105	0.000	99	146861	50.0	48.0	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	97	321208	50.0	45.0	
18 Trichlorofluoromethane	101	5.603	5.603	0.000	98	282317	50.0	45.7	
20 Ethyl ether	59	6.108	6.108	0.000	96	140605	50.0	43.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	95	137717	50.0	47.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.552	0.000	94	160060	50.0	47.2	
24 Acetone	43	6.589	6.589	0.000	99	131973	100.0	94.8	
25 Iodomethane	142	6.741	6.741	0.000	98	198968	50.0	46.2	
26 Carbon disulfide	76	6.857	6.857	0.000	100	399135	50.0	45.1	
30 Methyl acetate	43	7.069	7.069	0.000	99	249701	100.0	85.1	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	77619	50.0	42.1	
31 Methylene Chloride	84	7.282	7.282	0.000	99	181307	50.0	43.9	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	92	118829	500.0	468.7	
33 Acrylonitrile	53	7.611	7.611	0.000	99	654687	500.0	415.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	98	385370	50.0	48.3	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	167597	50.0	44.6	
36 Hexane	57	8.012	8.012	0.000	95	270509	50.0	47.0	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	321385	50.0	45.1	
44 2-Butanone (MEK)	43	8.888	8.888	0.000	100	170571	100.0	94.5	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	86	178932	50.0	44.8	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	41473	50.0	44.0	
48 Chlorobromomethane	128	9.193	9.193	0.000	93	79182	50.0	44.6	
49 Tetrahydrofuran	42	9.205	9.205	0.000	45	86225	100.0	89.3	
50 Chloroform	83	9.284	9.284	0.000	96	293828	50.0	44.8	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	97	256757	50.0	45.9	
52 Cyclohexane	56	9.570	9.570	0.000	93	348015	50.0	50.5	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	229994	50.0	46.6	
53 Carbon tetrachloride	117	9.655	9.655	0.000	91	203487	50.0	45.2	
55 Isobutyl alcohol	41	9.698	9.698	0.000	85	135216	1250.0	1130.7	
56 Benzene	78	9.874	9.874	0.000	98	706559	50.0	46.2	
57 1,2-Dichloroethane	62	9.923	9.923	0.000	97	250519	50.0	44.2	
59 n-Heptane	43	10.117	10.117	0.000	93	205898	50.0	50.7	
61 Trichloroethene	130	10.543	10.543	0.000	97	161565	50.0	44.3	
63 Methylcyclohexane	83	10.799	10.799	0.000	97	269442	50.0	48.0	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	91	185021	50.0	45.5	
65 1,4-Dioxane	88	10.866	10.866	0.000	94	28629	1000.0	931.5	
67 Dibromomethane	93	10.914	10.914	0.000	98	80957	50.0	41.7	
68 Dichlorobromomethane	83	11.066	11.066	0.000	98	185098	50.0	43.6	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	90	199982	50.0	48.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	275582	100.0	89.2	
73 Toluene	91	11.839	11.839	0.000	98	717146	50.0	46.7	
75 Ethyl methacrylate	69	12.027	12.027	0.000	75	131471	50.0	48.2	
74 trans-1,3-Dichloropropene	75	12.034	12.034	0.000	93	184951	50.0	45.5	
76 1,1,2-Trichloroethane	97	12.246	12.246	0.000	96	134502	50.0	45.2	
77 Tetrachloroethene	164	12.368	12.368	0.000	93	140697	50.0	48.1	
78 1,3-Dichloropropane	76	12.423	12.423	0.000	96	246320	50.0	45.0	
79 2-Hexanone	43	12.417	12.417	0.000	65	179769	100.0	88.6	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	107194	50.0	42.4	
82 Ethylene Dibromide	107	12.806	12.806	0.000	98	114200	50.0	42.2	
84 Chlorobenzene	112	13.275	13.275	0.000	94	422306	50.0	45.9	
87 Ethylbenzene	106	13.335	13.335	0.000	98	235411	50.0	46.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	89	135396	50.0	45.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	287895	50.0	44.1	
89 o-Xylene	106	13.865	13.865	0.000	97	259461	50.0	49.9	
90 Styrene	104	13.877	13.877	0.000	93	400221	50.0	42.5	
91 Bromoform	173	14.108	14.108	0.000	94	50138	50.0	43.2	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	697612	50.0	44.2	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.510	0.000	96	141959	50.0	44.3	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.540	0.000	64	35641	50.0	44.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	58	51720	50.0	42.0	
95 Bromobenzene	156	14.601	14.601	0.000	93	153267	50.0	44.4	
99 N-Propylbenzene	120	14.631	14.631	0.000	98	185732	50.0	48.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	157509	50.0	46.8	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	94	547749	50.0	44.9	
103 4-Chlorotoluene	126	14.887	14.887	0.000	98	161761	50.0	46.8	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	484325	50.0	48.0	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	544585	50.0	45.4	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	611500	50.0	48.6	
110 4-Isopropyltoluene	119	15.525	15.525	0.000	97	477404	50.0	43.7	
109 1,3-Dichlorobenzene	146	15.562	15.562	0.000	96	290984	50.0	46.4	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	286286	50.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	345263	50.0	46.1	
117 1,2-Dichlorobenzene	146	16.036	16.036	0.000	96	256894	50.0	46.7	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	13602	50.0	39.3	M
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	93	56447	50.0	40.3	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	95	32342	50.0	42.9	
124 Naphthalene	128	17.880	17.880	0.000	98	92946	50.0	48.3	
125 1,2,3-Trichlorobenzene	180	18.111	18.111	0.000	94	34052	50.0	46.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	89.4	
S 131 Xylenes, Total	106				0		100.0	94.0	
S 154 Total BTEX	1				0		250.0	233.5	
S 132 1,3-Dichloropropene, Total	1				0		100.0	93.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260VOAPRi_00429	Amount Added:	2.00	Units: uL
VOA8260SURR_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	2.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

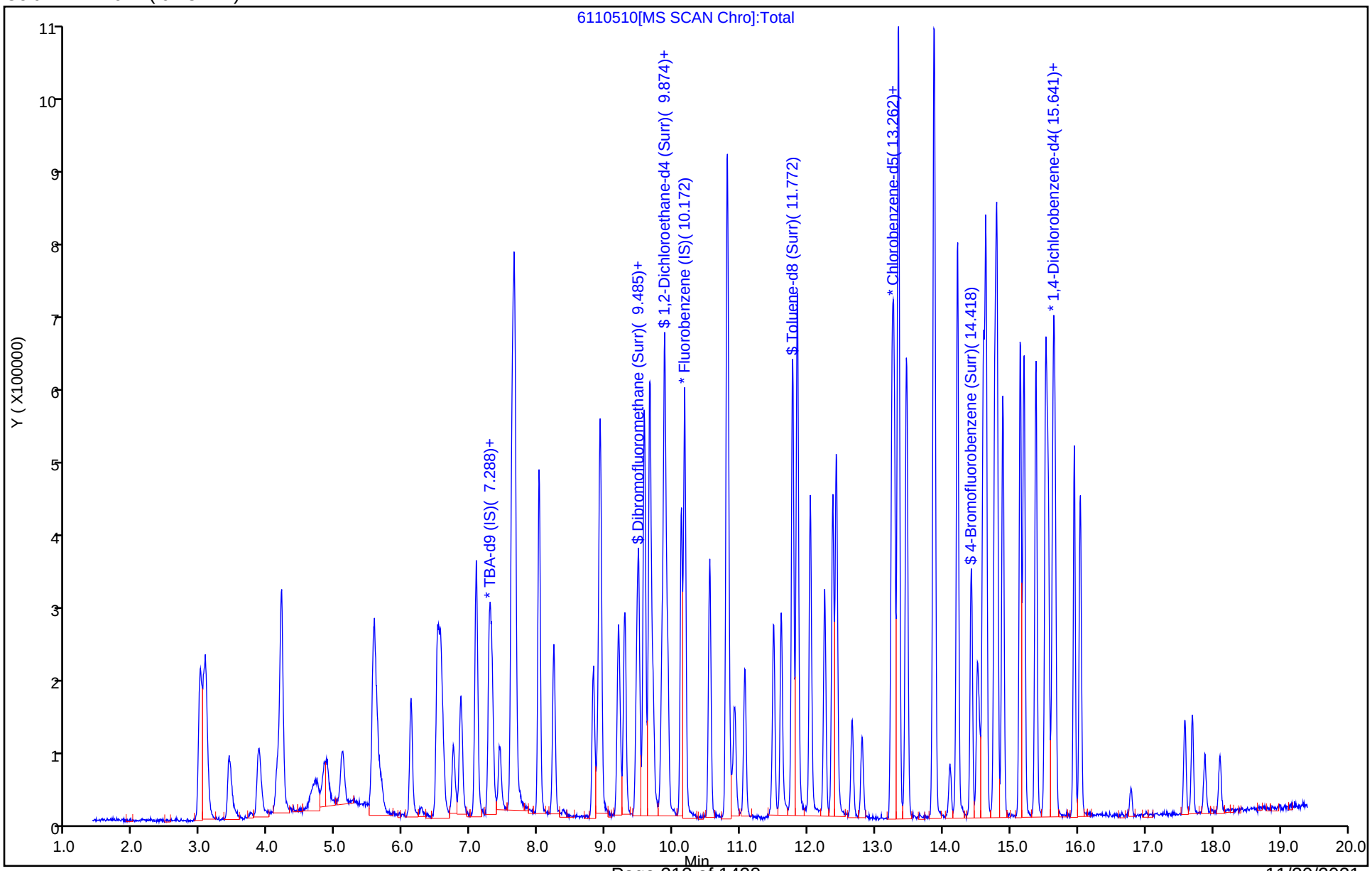
Report Date: 08-Nov-2020 13:30:59 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D

Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICIS			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

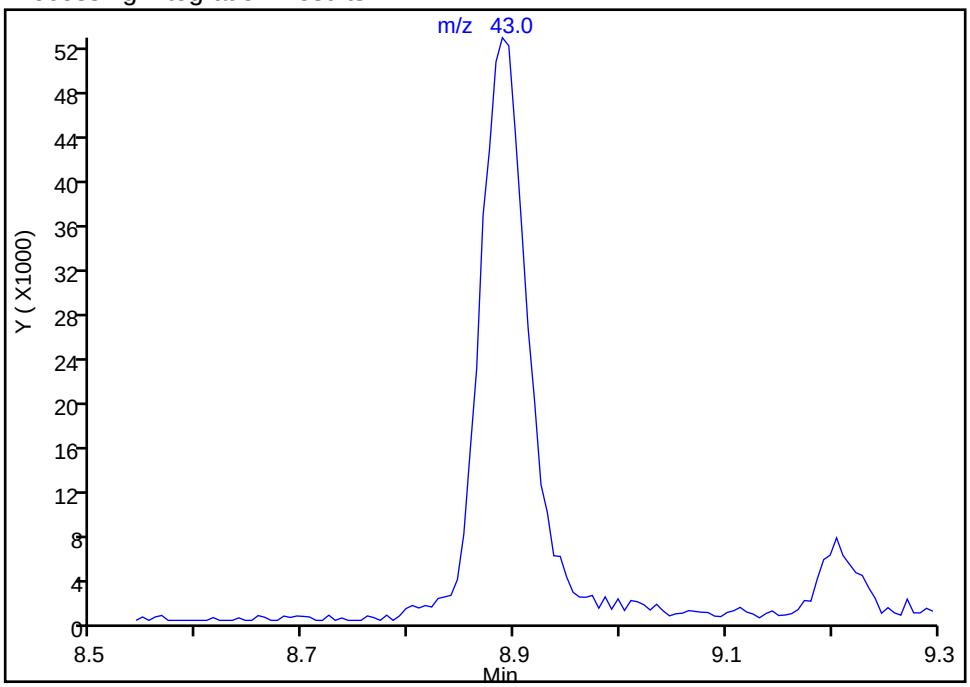
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D				
Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

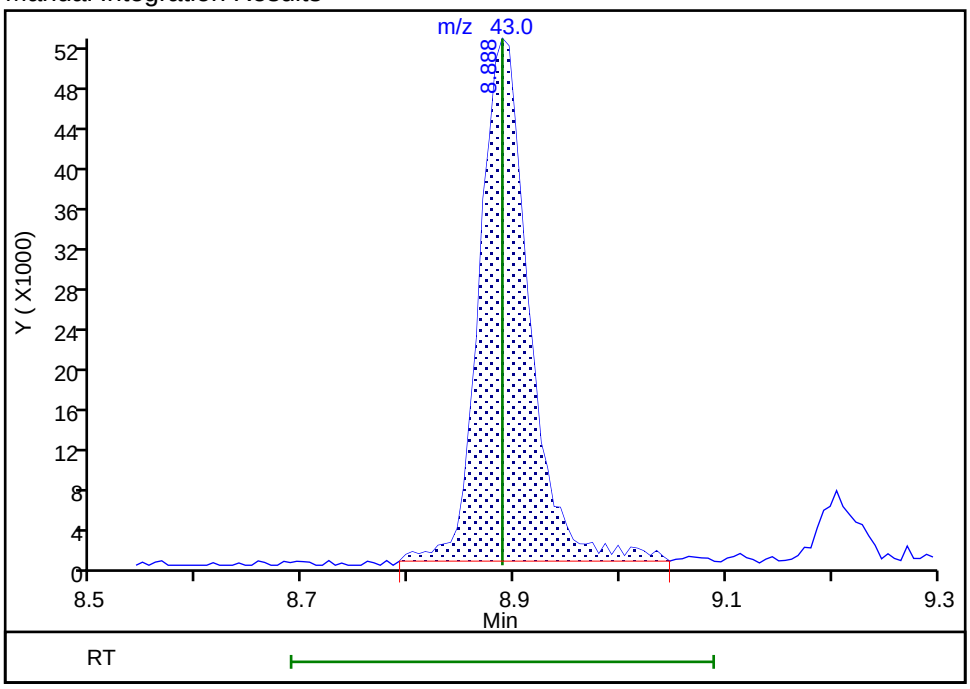
Not Detected
Expected RT: 8.89

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 170571
Amount: 94.519284
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:49:28
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

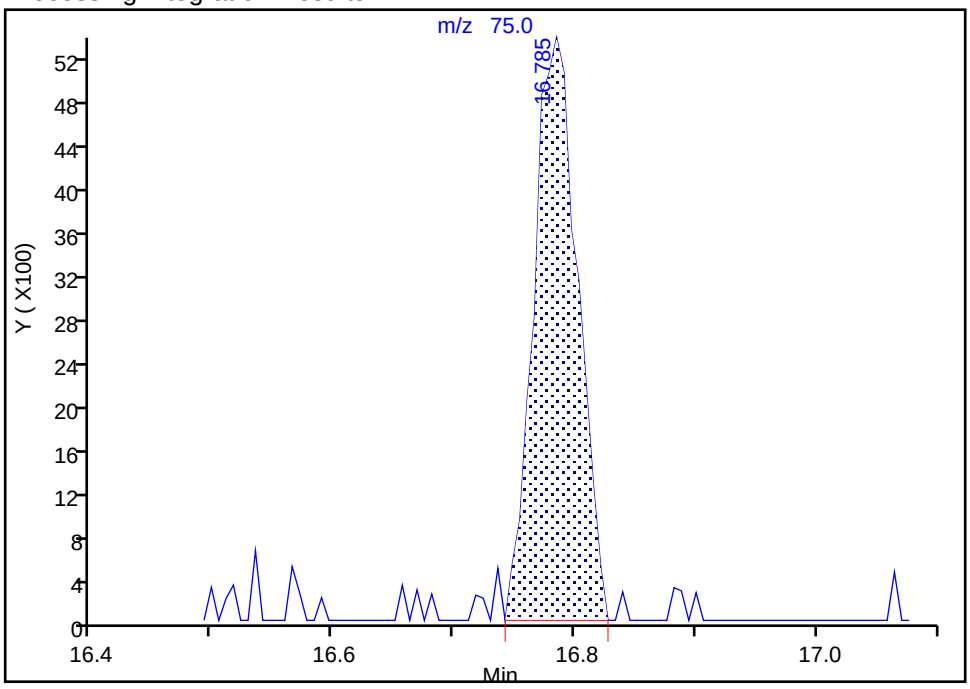
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D				
Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

118 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 3

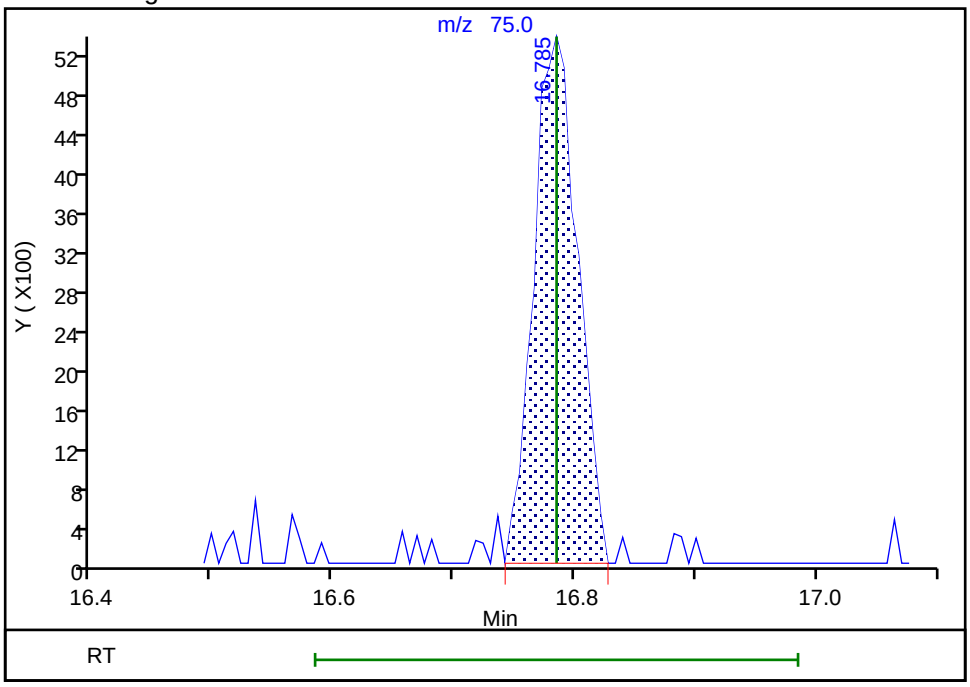
Processing Integration Results

RT: 16.78
Area: 13602
Amount: 41.697862
Amount Units: ng



Manual Integration Results

RT: 16.78
Area: 13602
Amount: 39.272906
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 12:28:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2020 11:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-011
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:06 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.319	7.319	0.000	91	216754	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	633929	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	88	124135	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	177595	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	202846	75.0	75.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	95	322447	75.0	77.2	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	95	913565	75.0	82.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	286771	75.0	77.7	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	320843	75.0	73.0	
12 Chloromethane	50	3.857	3.857	0.000	100	370456	75.0	71.5	
13 Vinyl chloride	62	4.137	4.137	0.000	97	322115	75.0	74.6	
14 Butadiene	39	4.198	4.198	0.000	92	362414	75.0	71.3	
15 Bromomethane	94	4.837	4.837	0.000	92	176620	75.0	70.3	
16 Chloroethane	64	5.105	5.105	0.000	99	209637	75.0	71.3	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	97	505716	75.0	73.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	98	440636	75.0	74.2	
20 Ethyl ether	59	6.120	6.120	0.000	96	207230	75.0	66.6	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	206606	75.0	73.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.558	6.558	0.000	94	236412	75.0	72.5	
24 Acetone	43	6.595	6.595	0.000	100	200998	150.0	150.2	
25 Iodomethane	142	6.741	6.741	0.000	99	293049	75.0	70.8	
26 Carbon disulfide	76	6.857	6.857	0.000	100	617437	75.0	72.7	
30 Methyl acetate	43	7.069	7.069	0.000	99	373766	150.0	132.5	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	125459	75.0	70.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	261013	75.0	68.1	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	93	191081	750.0	753.7	
33 Acrylonitrile	53	7.617	7.617	0.000	99	986461	750.0	651.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	97	587228	75.0	76.6	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	94	254097	75.0	70.3	
36 Hexane	57	8.012	8.012	0.000	95	418312	75.0	75.7	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	481915	75.0	70.4	
44 2-Butanone (MEK)	43	8.882	8.882	0.000	55	263964	150.0	152.2	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	85	260676	75.0	67.9	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	64829	75.0	71.6	
48 Chlorobromomethane	128	9.180	9.180	0.000	93	110149	75.0	64.6	
49 Tetrahydrofuran	42	9.211	9.211	0.000	45	144297	150.0	155.5	
50 Chloroform	83	9.284	9.284	0.000	96	430197	75.0	68.2	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	96	383543	75.0	71.3	
52 Cyclohexane	56	9.570	9.570	0.000	93	552246	75.0	83.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	359640	75.0	75.9	
53 Carbon tetrachloride	117	9.661	9.661	0.000	94	309994	75.0	71.7	
55 Isobutyl alcohol	41	9.698	9.698	0.000	92	203253	1875.0	1768.5	
56 Benzene	78	9.880	9.880	0.000	98	1058727	75.0	72.1	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	97	369204	75.0	67.8	
59 n-Heptane	43	10.117	10.117	0.000	93	327628	75.0	83.9	
61 Trichloroethene	130	10.543	10.543	0.000	97	245968	75.0	70.2	
63 Methylcyclohexane	83	10.793	10.793	0.000	96	430749	75.0	78.8	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	276915	75.0	70.9	
65 1,4-Dioxane	88	10.859	10.859	0.000	91	50467	1500.0	1708.6	
67 Dibromomethane	93	10.908	10.908	0.000	97	124213	75.0	66.6	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	279238	75.0	68.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	318495	75.0	79.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	437185	150.0	141.5	
73 Toluene	91	11.839	11.839	0.000	97	1110024	75.0	79.7	
75 Ethyl methacrylate	69	12.034	12.034	0.000	75	212514	75.0	76.8	
74 trans-1,3-Dichloropropene	75	12.040	12.040	0.000	94	289357	75.0	78.5	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.000	95	195646	75.0	72.6	
77 Tetrachloroethene	164	12.368	12.368	0.000	98	208287	75.0	78.5	
79 2-Hexanone	43	12.417	12.417	0.000	74	291515	150.0	142.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	365690	75.0	73.8	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	158226	75.0	69.0	
82 Ethylene Dibromide	107	12.800	12.800	0.000	97	175768	75.0	71.6	
84 Chlorobenzene	112	13.275	13.275	0.000	91	625528	75.0	75.0	
87 Ethylbenzene	106	13.342	13.342	0.000	98	366401	75.0	78.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	91	195319	75.0	72.3	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	99	451860	75.0	74.3	
89 o-Xylene	106	13.865	13.865	0.000	96	411614	75.0	87.4	
90 Styrene	104	13.877	13.877	0.000	94	628910	75.0	70.6	
91 Bromoform	173	14.102	14.102	0.000	94	77584	75.0	73.8	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	1113157	75.0	76.0	
96 1,1,2,2-Tetrachloroethane	83	14.516	14.516	0.000	96	213640	75.0	73.6	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	58585	75.0	77.3	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	61	76804	75.0	67.1	
95 Bromobenzene	156	14.601	14.601	0.000	93	235613	75.0	73.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	291584	75.0	80.2	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	234928	75.0	75.0	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	868101	75.0	74.8	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	239558	75.0	74.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	760834	75.0	79.7	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	832643	75.0	73.0	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	953872	75.0	80.1	
110 4-Isopropyltoluene	119	15.526	15.526	0.000	97	746098	75.0	70.7	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	432864	75.0	74.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	425521	75.0	71.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	566543	75.0	79.7	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.000	96	373634	75.0	73.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	23117	75.0	71.8	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	95	92114	75.0	70.8	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	92	53676	75.0	78.9	
124 Naphthalene	128	17.880	17.880	0.000	97	167731	75.0	77.0	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	95	57048	75.0	83.8	
S 130 1,2-Dichloroethene, Total	96				0		150.0	138.2	
S 131 Xylenes, Total	106				0		150.0	161.7	
S 154 Total BTEX	1				0		375.0	392.0	
S 132 1,3-Dichloropropene, Total	1				0		150.0	158.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	3.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	3.00	Units: uL
VOA8260SURR_00112	Amount Added:	3.00	Units: uL

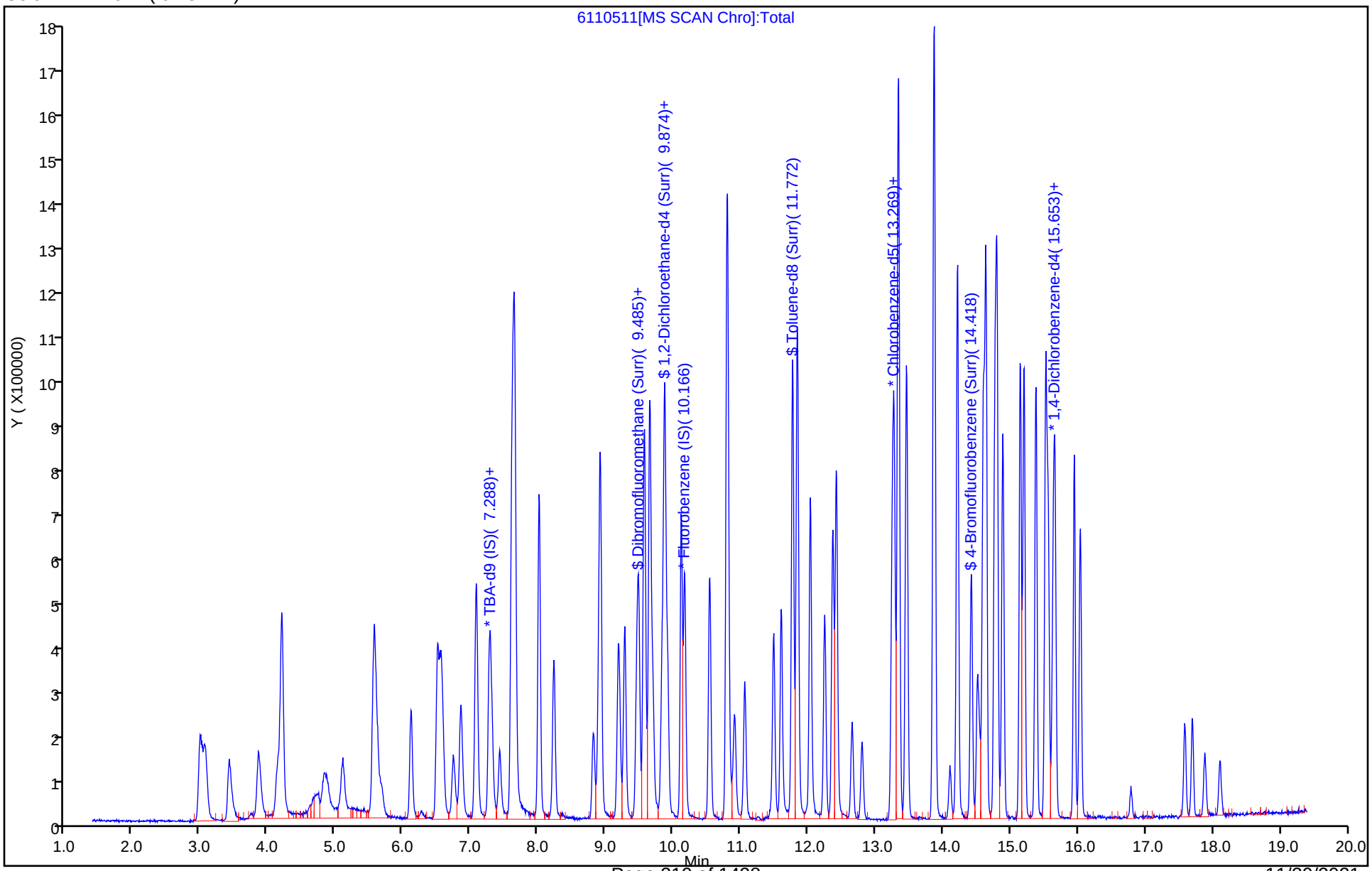
Report Date: 08-Nov-2020 13:31:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D

Injection Date:	05-Nov-2020 11:20:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

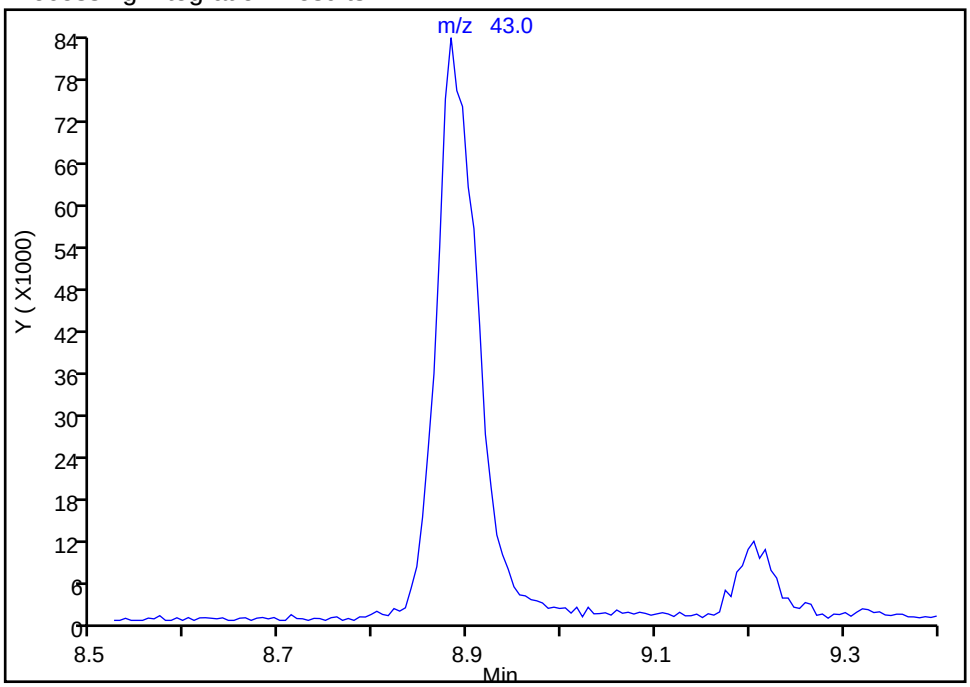
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Injection Date: 05-Nov-2020 11:20:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

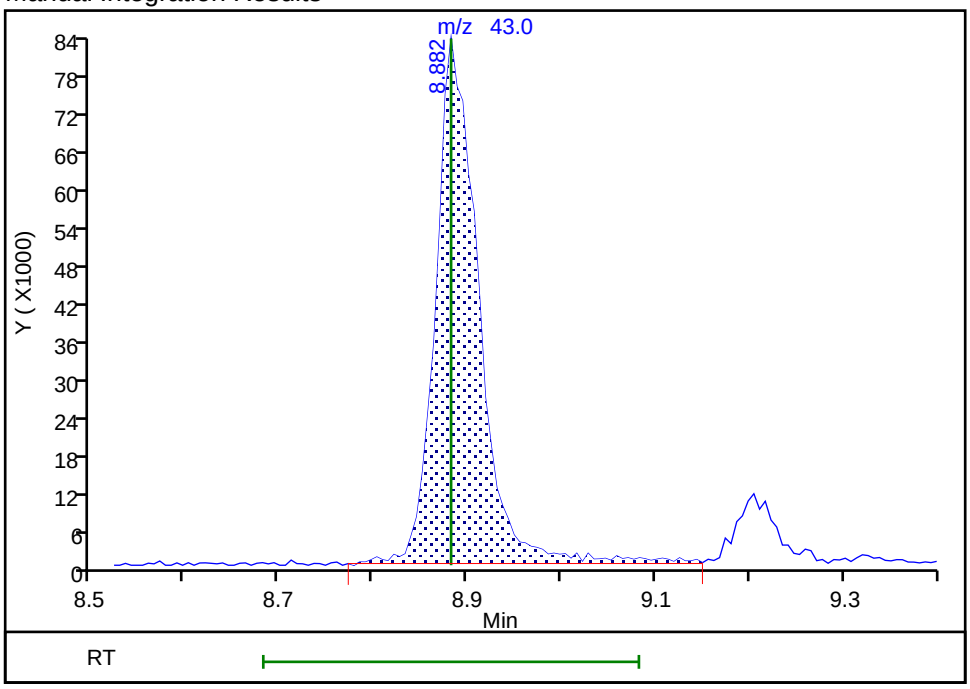
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.88
Area: 263964
Amount: 152.1981
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:50:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2020 11:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-012
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.319	-0.009	92	226094	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.172	-0.003	98	603499	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.244	-0.003	88	123664	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.629	0.003	96	179317	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.460	-0.003	92	264067	100.0	103.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.831	0.003	98	404191	100.0	101.7	
$ 7 Toluene-d8 (Surr)	98	11.769	11.772	-0.003	95	1159160	100.0	104.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.418	-0.003	0	392420	100.0	106.7	
11 Dichlorodifluoromethane	85	3.416	3.419	-0.003	99	380353	100.0	91.0	
12 Chloromethane	50	3.854	3.857	-0.003	99	455985	100.0	92.5	
13 Vinyl chloride	62	4.134	4.137	-0.003	97	378968	100.0	92.2	
14 Butadiene	39	4.195	4.198	-0.003	94	449318	100.0	93.5	M
15 Bromomethane	94	4.852	4.837	0.015	90	211505	100.0	88.5	
16 Chloroethane	64	5.101	5.105	-0.004	99	247684	100.0	88.5	
17 Dichlorofluoromethane	67	5.564	5.567	-0.003	97	599410	100.0	91.8	
18 Trichlorofluoromethane	101	5.606	5.597	0.009	97	516831	100.0	91.5	
20 Ethyl ether	59	6.117	6.120	-0.003	94	273468	100.0	92.3	
22 1,1-Dichloroethene	96	6.507	6.504	0.003	93	242319	100.0	90.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.549	6.558	-0.009	94	278619	100.0	89.8	
24 Acetone	43	6.592	6.595	-0.003	99	269581	200.0	211.6	
25 Iodomethane	142	6.750	6.741	0.009	99	360930	100.0	91.6	
26 Carbon disulfide	76	6.854	6.857	-0.003	100	738892	100.0	91.3	
30 Methyl acetate	43	7.073	7.069	0.004	99	497821	200.0	185.4	
29 3-Chloro-1-propene	76	7.085	7.082	0.003	90	155658	100.0	92.3	
31 Methylene Chloride	84	7.279	7.276	0.003	99	331688	100.0	92.6	
32 2-Methyl-2-propanol	59	7.425	7.434	-0.009	94	251818	1000.0	952.2	
33 Acrylonitrile	53	7.608	7.617	-0.009	99	1366935	1000.0	948.6	
35 Methyl tert-butyl ether	73	7.644	7.641	0.003	98	790136	100.0	108.3	
34 trans-1,2-Dichloroethene	96	7.650	7.660	-0.010	93	308160	100.0	89.5	
36 Hexane	57	8.009	8.012	-0.003	95	500285	100.0	95.1	
37 1,1-Dichloroethane	63	8.234	8.231	0.003	97	588048	100.0	90.2	
44 2-Butanone (MEK)	43	8.885	8.882	0.003	99	345063	200.0	209.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.916	8.919	-0.003	86	329821	100.0	90.3	
42 2,2-Dichloropropane	97	8.922	8.925	-0.003	68	74624	100.0	86.5	
48 Chlorobromomethane	128	9.190	9.180	0.010	93	142503	100.0	87.7	
49 Tetrahydrofuran	42	9.208	9.211	-0.003	44	189452	200.0	214.5	
50 Chloroform	83	9.281	9.284	-0.003	97	547876	100.0	91.3	
51 1,1,1-Trichloroethane	97	9.488	9.491	-0.003	98	461491	100.0	90.2	
52 Cyclohexane	56	9.573	9.570	0.003	94	660324	100.0	104.8	
54 1,1-Dichloropropene	75	9.646	9.649	-0.003	95	427465	100.0	94.7	
53 Carbon tetrachloride	117	9.658	9.661	-0.003	96	384021	100.0	93.2	
55 Isobutyl alcohol	41	9.701	9.698	0.003	90	272246	2500.0	2488.2	
56 Benzene	78	9.877	9.880	-0.003	98	1311296	100.0	93.7	
57 1,2-Dichloroethane	62	9.914	9.917	-0.003	97	484339	100.0	93.4	
59 n-Heptane	43	10.120	10.117	0.003	94	396995	100.0	106.8	
61 Trichloroethene	130	10.540	10.543	-0.003	97	309674	100.0	92.8	
63 Methylcyclohexane	83	10.796	10.793	0.003	96	519081	100.0	99.4	
64 1,2-Dichloropropane	63	10.814	10.811	0.003	90	344371	100.0	92.7	
65 1,4-Dioxane	88	10.856	10.859	-0.003	95	63524	2000.0	2259.1	
67 Dibromomethane	93	10.911	10.908	0.003	97	165406	100.0	93.2	
68 Dichlorobromomethane	83	11.057	11.060	-0.003	98	367432	100.0	94.7	
71 cis-1,3-Dichloropropene	75	11.489	11.492	-0.003	92	419042	100.0	109.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.605	11.602	0.003	98	632990	200.0	196.7	
73 Toluene	91	11.842	11.839	0.003	98	1367785	100.0	98.6	
75 Ethyl methacrylate	69	12.031	12.034	-0.003	93	295851	100.0	99.2	
74 trans-1,3-Dichloropropene	75	12.037	12.040	-0.003	97	392133	100.0	106.8	
76 1,1,2-Trichloroethane	97	12.243	12.247	-0.003	95	253265	100.0	94.4	
77 Tetrachloroethene	164	12.365	12.368	-0.003	95	247815	100.0	93.8	
78 1,3-Dichloropropane	76	12.420	12.417	0.003	96	491938	100.0	99.6	
79 2-Hexanone	43	12.414	12.417	-0.003	77	426355	200.0	200.5	
81 Chlorodibromomethane	129	12.657	12.654	0.003	91	213808	100.0	93.6	
82 Ethylene Dibromide	107	12.797	12.800	-0.003	98	228424	100.0	93.5	
84 Chlorobenzene	112	13.272	13.275	-0.003	93	808748	100.0	97.3	
87 Ethylbenzene	106	13.339	13.342	-0.004	99	471639	100.0	100.9	
86 1,1,1,2-Tetrachloroethane	131	13.339	13.342	-0.004	90	256974	100.0	95.5	
88 m-Xylene & p-Xylene	106	13.460	13.463	-0.003	100	571765	100.0	93.6	
89 o-Xylene	106	13.862	13.865	-0.003	97	540887	100.0	115.3	
90 Styrene	104	13.874	13.877	-0.003	94	825621	100.0	91.7	
91 Bromoform	173	14.105	14.102	0.003	95	106125	100.0	101.4	
93 Isopropylbenzene	105	14.215	14.218	-0.003	96	1408969	100.0	95.9	
96 1,1,2,2-Tetrachloroethane	83	14.513	14.516	-0.003	96	277793	100.0	96.1	
97 trans-1,4-Dichloro-2-butene	53	14.549	14.546	0.003	62	79996	100.0	104.2	
98 1,2,3-Trichloropropane	110	14.598	14.595	0.003	59	104336	100.0	90.3	
95 Bromobenzene	156	14.604	14.601	0.003	93	300790	100.0	92.9	
99 N-Propylbenzene	120	14.634	14.637	-0.003	99	360684	100.0	97.7	
100 2-Chlorotoluene	126	14.768	14.771	-0.003	95	300694	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	14.799	14.802	-0.003	94	1091183	100.0	92.5	
103 4-Chlorotoluene	126	14.884	14.887	-0.003	99	305646	100.0	94.3	
104 tert-Butylbenzene	119	15.145	15.148	-0.003	95	972480	100.0	100.3	
106 1,2,4-Trimethylbenzene	105	15.200	15.203	-0.003	97	1085440	100.0	93.5	
108 sec-Butylbenzene	105	15.376	15.379	-0.003	95	1209838	100.0	100.1	
110 4-Isopropyltoluene	119	15.522	15.526	-0.004	97	952271	100.0	88.3	
109 1,3-Dichlorobenzene	146	15.559	15.556	0.003	97	536034	100.0	91.0	
111 1,4-Dichlorobenzene	146	15.656	15.659	-0.003	92	534620	100.0	89.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.948	15.945	0.003	98	725923	100.0	100.5	
117 1,2-Dichlorobenzene	146	16.033	16.037	-0.003	96	480221	100.0	93.1	
118 1,2-Dibromo-3-Chloropropane	75	16.782	16.785	-0.003	70	33014	100.0	101.6	
122 1,2,4-Trichlorobenzene	180	17.585	17.582	0.003	94	132642	100.0	101.0	
123 Hexachlorobutadiene	225	17.694	17.697	-0.003	96	73784	100.0	108.5	
124 Naphthalene	128	17.883	17.880	0.003	98	265474	100.0	103.5	
125 1,2,3-Trichlorobenzene	180	18.108	18.105	0.003	94	86456	100.0	125.8	
S 130 1,2-Dichloroethene, Total	96				0		200.0	179.8	
S 131 Xylenes, Total	106				0		200.0	208.9	
S 154 Total BTEX	1				0		500.0	502.1	
S 132 1,3-Dichloropropene, Total	1				0		200.0	216.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	4.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	4.00	Units: uL
VOA8260SURR_00112	Amount Added:	4.00	Units: uL

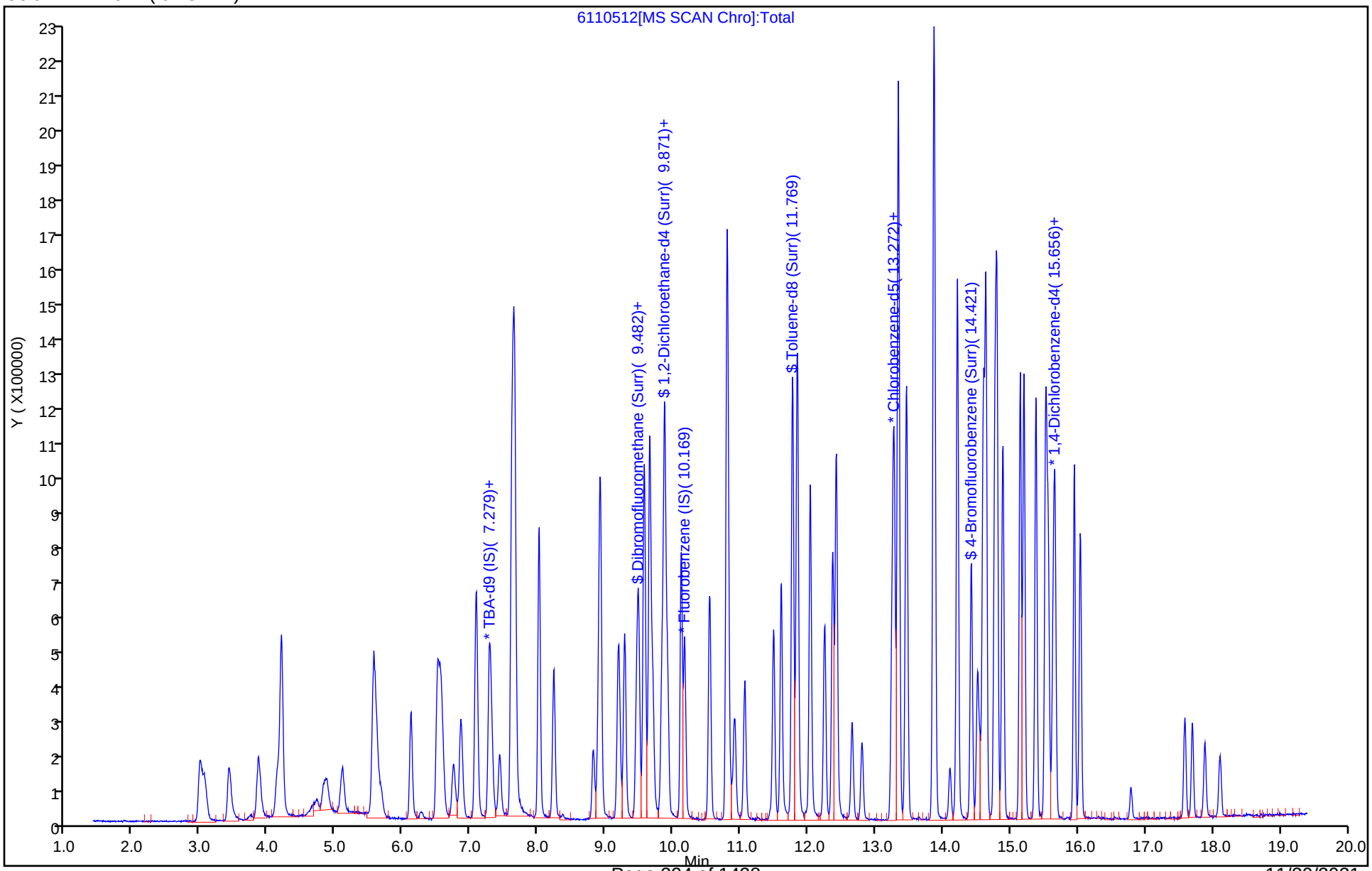
Report Date: 08-Nov-2020 13:31:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D

Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

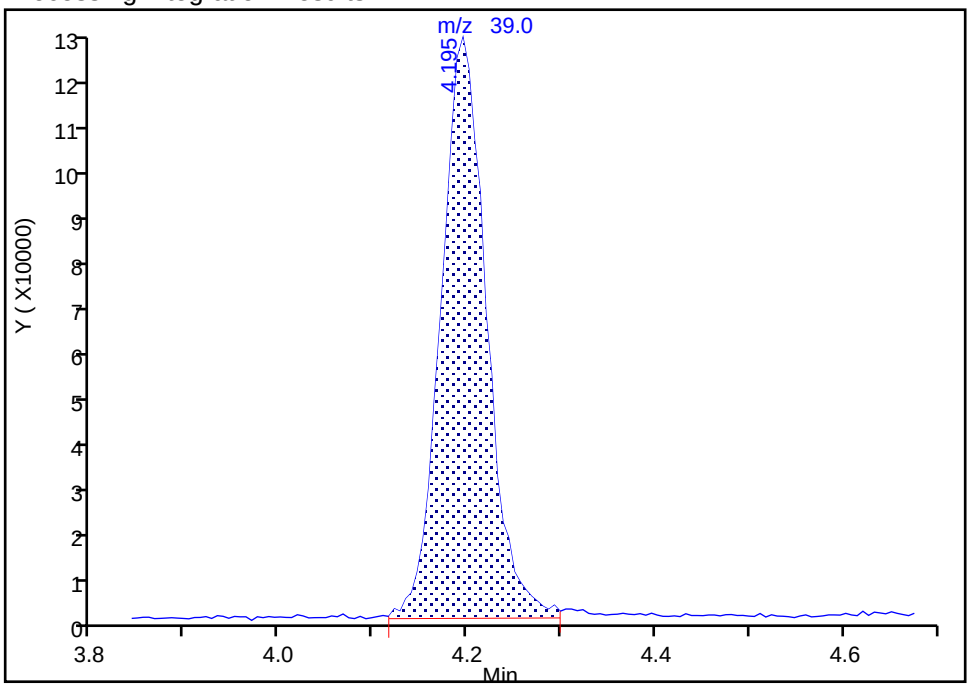
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

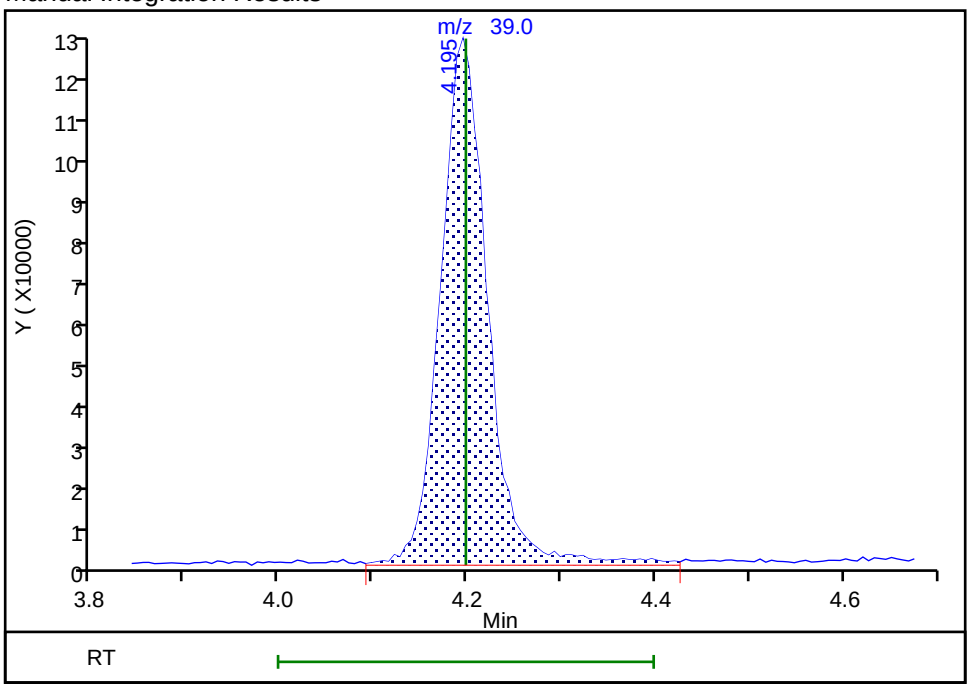
Processing Integration Results

RT: 4.20
Area: 432029
Amount: 84.741881
Amount Units: ng



Manual Integration Results

RT: 4.20
Area: 449318
Amount: 93.474722
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:19:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

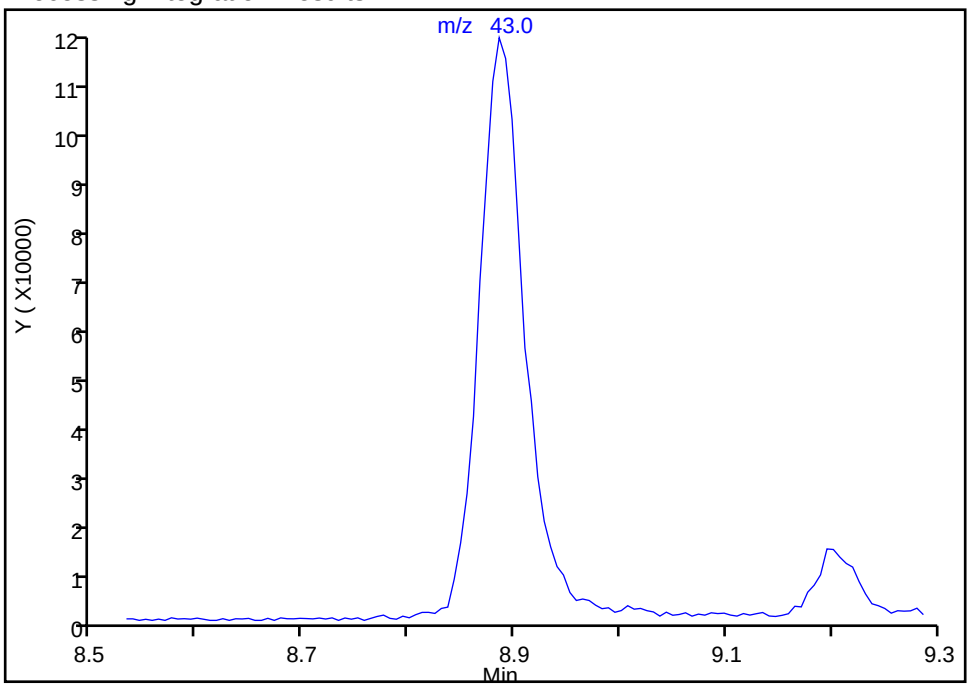
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D				
Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

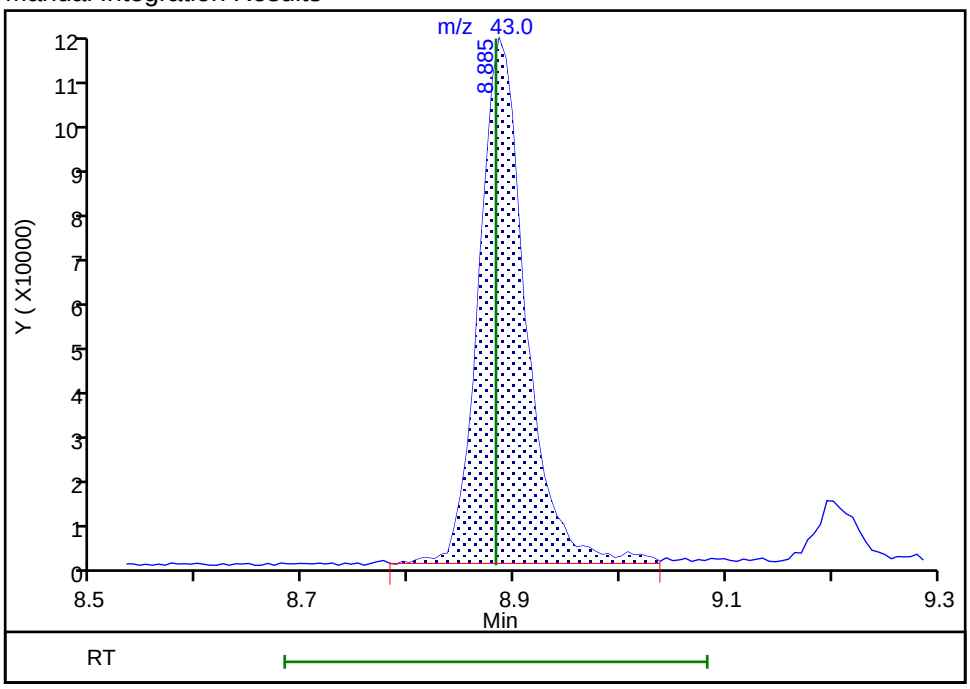
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 345063
Amount: 208.9907
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:52:04
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Nov-2020 12:15:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-013
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:24 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	93	237065	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	557831	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	119941	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	97	161023	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	93	419791	175.0	177.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.832	9.831	0.001	87	631604	175.0	171.9	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	1927595	175.0	179.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.418	0.001	0	647000	175.0	181.3	
11 Dichlorodifluoromethane	85	3.426	3.419	0.007	99	745184	175.0	192.8	
12 Chloromethane	50	3.864	3.857	0.007	100	842498	175.0	184.9	
13 Vinyl chloride	62	4.144	4.137	0.007	98	741670	175.0	195.1	
14 Butadiene	39	4.198	4.198	0.000	93	839154	175.0	191.1	
15 Bromomethane	94	4.861	4.837	0.024	92	385310	175.0	174.4	
16 Chloroethane	64	5.105	5.105	0.000	100	473377	175.0	182.9	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	98	1128742	175.0	187.1	
18 Trichlorofluoromethane	101	5.598	5.597	0.001	98	1009276	175.0	193.2	
20 Ethyl ether	59	6.115	6.120	-0.005	96	513339	175.0	187.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	476297	175.0	192.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.559	6.558	0.001	94	535828	175.0	186.8	
24 Acetone	43	6.589	6.595	-0.006	98	460912	350.0	391.4	
25 Iodomethane	142	6.747	6.741	0.006	99	679025	175.0	186.4	
26 Carbon disulfide	76	6.857	6.857	0.000	100	1435357	175.0	191.9	
30 Methyl acetate	43	7.070	7.069	0.001	99	946033	350.0	381.2	
29 3-Chloro-1-propene	76	7.088	7.082	0.006	90	311579	175.0	200.0	
31 Methylene Chloride	84	7.283	7.276	0.007	99	565880	175.0	175.0	
32 2-Methyl-2-propanol	59	7.429	7.434	-0.005	94	475429	1750.0	1714.5	
33 Acrylonitrile	53	7.611	7.617	-0.006	98	2593990	1750.0	1947.5	
35 Methyl tert-butyl ether	73	7.642	7.641	0.001	98	1496613	175.0	221.8	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	581182	175.0	182.7	
36 Hexane	57	8.019	8.012	0.007	95	994929	175.0	204.5	
37 1,1-Dichloroethane	63	8.232	8.231	0.001	97	1120797	175.0	186.0	
44 2-Butanone (MEK)	43	8.889	8.882	0.007	99	618125	350.0	405.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.913	8.919	-0.006	87	621793	175.0	184.2	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	91	141690	175.0	177.8	
48 Chlorobromomethane	128	9.187	9.180	0.007	93	262957	175.0	175.2	
49 Tetrahydrofuran	42	9.205	9.211	-0.006	44	378993	350.0	464.2	
50 Chloroform	83	9.284	9.284	0.000	97	1006069	175.0	181.3	
51 1,1,1-Trichloroethane	97	9.485	9.491	-0.006	97	911477	175.0	192.7	
52 Cyclohexane	56	9.570	9.570	0.000	93	1330680	175.0	228.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	848242	175.0	203.4	
53 Carbon tetrachloride	117	9.655	9.661	-0.006	97	741993	175.0	194.9	
55 Isobutyl alcohol	41	9.698	9.698	0.000	91	516882	4375.0	5110.9	
56 Benzene	78	9.874	9.880	-0.006	98	2460058	175.0	190.3	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	96	885871	175.0	184.9	
59 n-Heptane	43	10.124	10.117	0.007	96	818576	175.0	238.2	
61 Trichloroethene	130	10.543	10.543	0.000	97	597793	175.0	193.8	
63 Methylcyclohexane	83	10.793	10.793	0.000	95	1047837	175.0	215.5	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	641556	175.0	186.8	
65 1,4-Dioxane	88	10.866	10.859	0.007	95	121579	3500.0	4677.7	
67 Dibromomethane	93	10.914	10.908	0.006	96	301698	175.0	183.9	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	676108	175.0	188.4	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	92	820521	175.0	232.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	1169372	350.0	357.0	
73 Toluene	91	11.839	11.839	0.000	97	2653112	175.0	197.2	
75 Ethyl methacrylate	69	12.028	12.034	-0.006	90	641291	175.0	176.3	
74 trans-1,3-Dichloropropene	75	12.034	12.040	-0.006	92	756371	175.0	212.4	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.001	95	465914	175.0	179.0	
77 Tetrachloroethene	164	12.362	12.368	-0.006	94	491949	175.0	191.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	907330	175.0	189.5	
79 2-Hexanone	43	12.417	12.417	0.000	98	768293	350.0	355.4	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	417139	175.0	188.3	
82 Ethylene Dibromide	107	12.800	12.800	0.000	100	435350	175.0	183.7	
84 Chlorobenzene	112	13.275	13.275	0.000	93	1514759	175.0	188.0	
87 Ethylbenzene	106	13.336	13.342	-0.006	99	910637	175.0	198.9	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	94	486580	175.0	186.4	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	100	1109435	175.0	184.4	
89 o-Xylene	106	13.859	13.865	-0.006	97	1044366	175.0	229.5	
90 Styrene	104	13.877	13.877	0.000	92	1614997	175.0	180.5	
91 Bromoform	173	14.102	14.102	0.000	95	203002	175.0	200.0	
93 Isopropylbenzene	105	14.212	14.218	-0.006	96	2813005	175.0	194.6	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.516	-0.006	96	521753	175.0	186.0	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	160445	175.0	231.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	88	199230	175.0	192.1	
95 Bromobenzene	156	14.601	14.601	0.000	96	556036	175.0	191.2	
99 N-Propylbenzene	120	14.638	14.637	0.001	99	718236	175.0	213.6	
100 2-Chlorotoluene	126	14.765	14.771	-0.006	95	568129	175.0	200.1	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	2090582	175.0	194.4	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	584830	175.0	200.9	
104 tert-Butylbenzene	119	15.149	15.148	0.001	93	1912029	175.0	217.0	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	98	2049989	175.0	193.7	
108 sec-Butylbenzene	105	15.374	15.379	-0.005	94	2382047	175.0	216.9	
110 4-Isopropyltoluene	119	15.520	15.526	-0.006	97	1905453	175.0	191.8	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	995523	175.0	188.2	
111 1,4-Dichlorobenzene	146	15.660	15.659	0.001	93	1005518	175.0	187.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1492022	175.0	227.0	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.001	96	894741	175.0	193.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	73	57027	175.0	195.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	94	235785	175.0	199.9	
123 Hexachlorobutadiene	225	17.698	17.697	0.001	97	133216	175.0	221.1	
124 Naphthalene	128	17.886	17.880	0.006	96	488279	175.0	161.6	M
125 1,2,3-Trichlorobenzene	180	18.111	18.105	0.006	94	144171	175.0	233.6	
S 130 1,2-Dichloroethene, Total	96				0		350.0	366.9	
S 131 Xylenes, Total	106				0		350.0	413.8	
S 154 Total BTEX	1				0		875.0	1000.1	
S 132 1,3-Dichloropropene, Total	1				0		350.0	445.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	7.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	7.00	Units: uL
VOA8260SURR_00112	Amount Added:	7.00	Units: uL

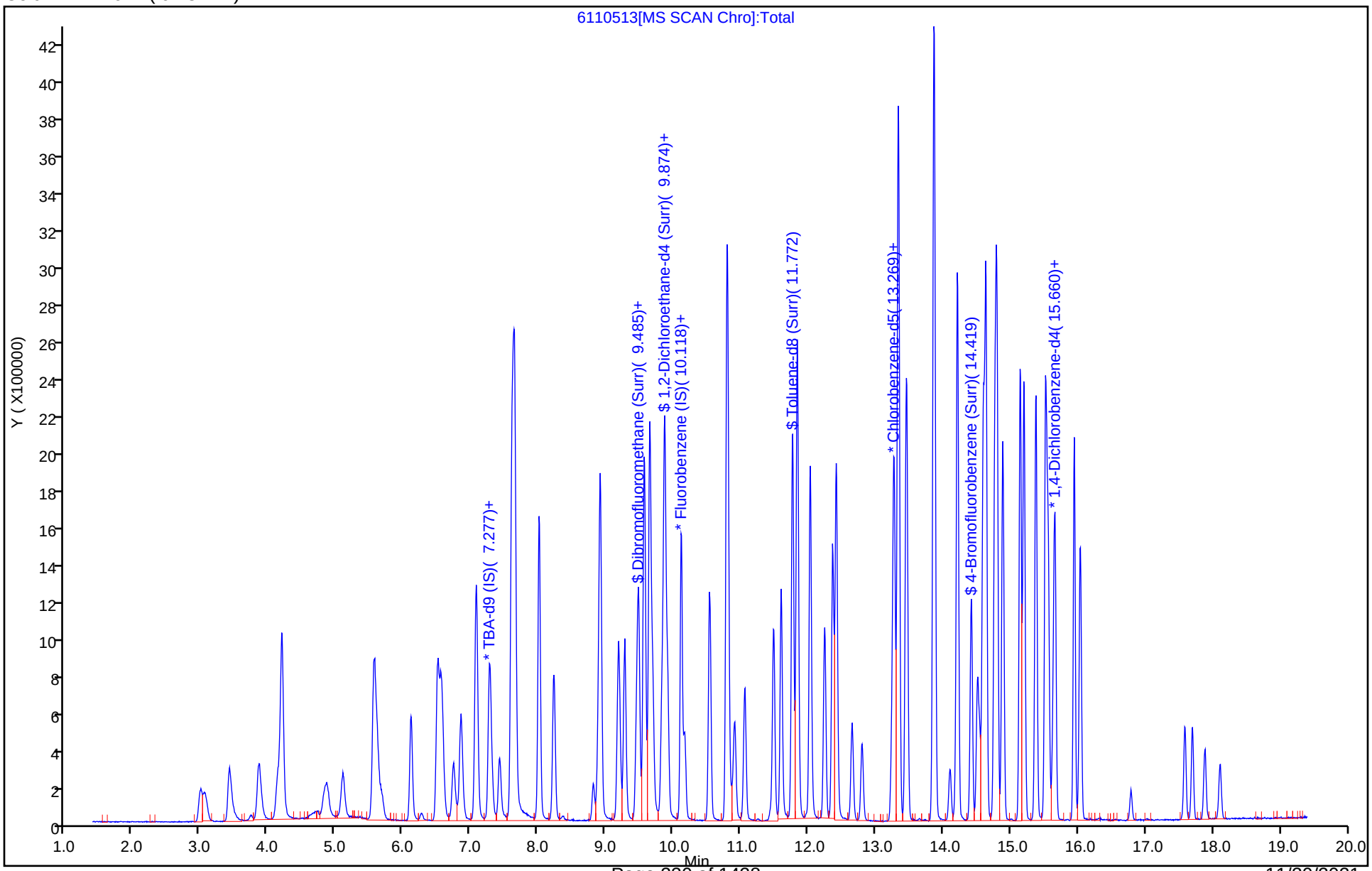
Report Date: 08-Nov-2020 13:31:26 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D

Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

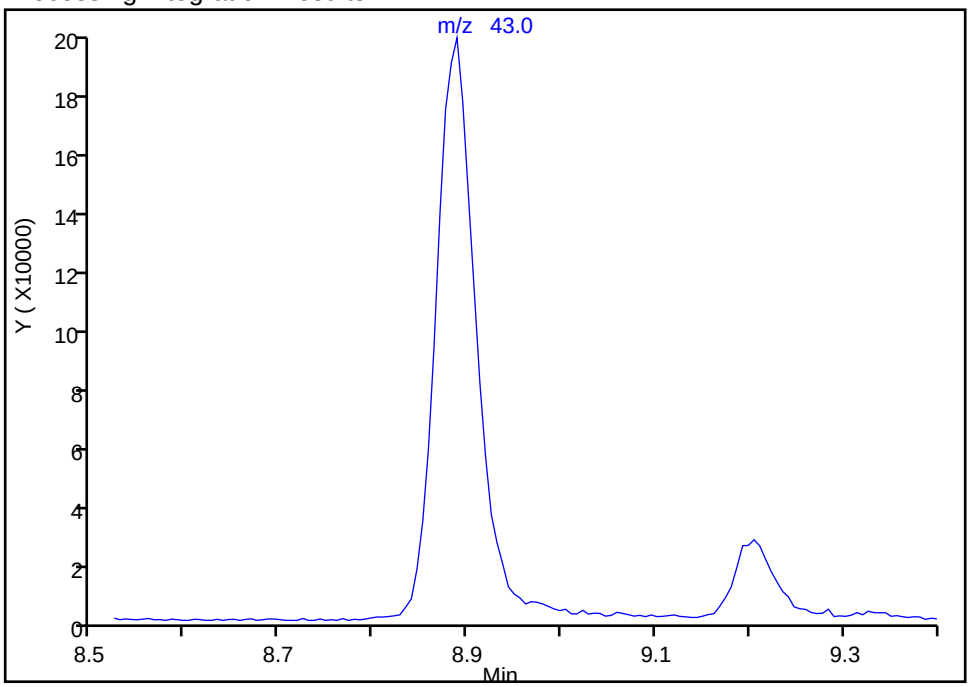
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Injection Date: 05-Nov-2020 12:15:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

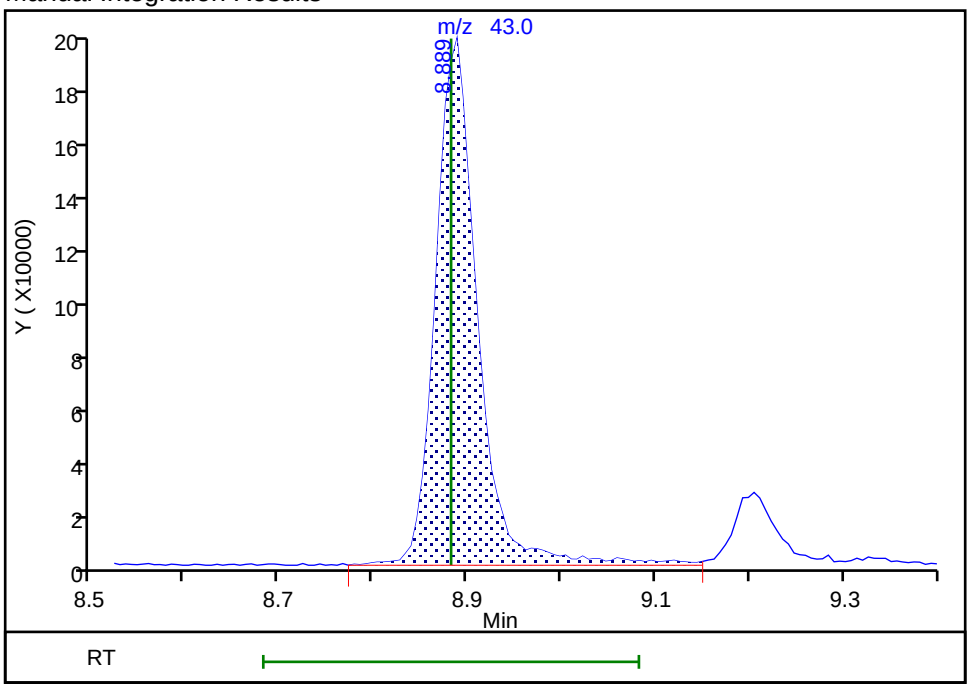
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 618125
Amount: 405.0221
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:53:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

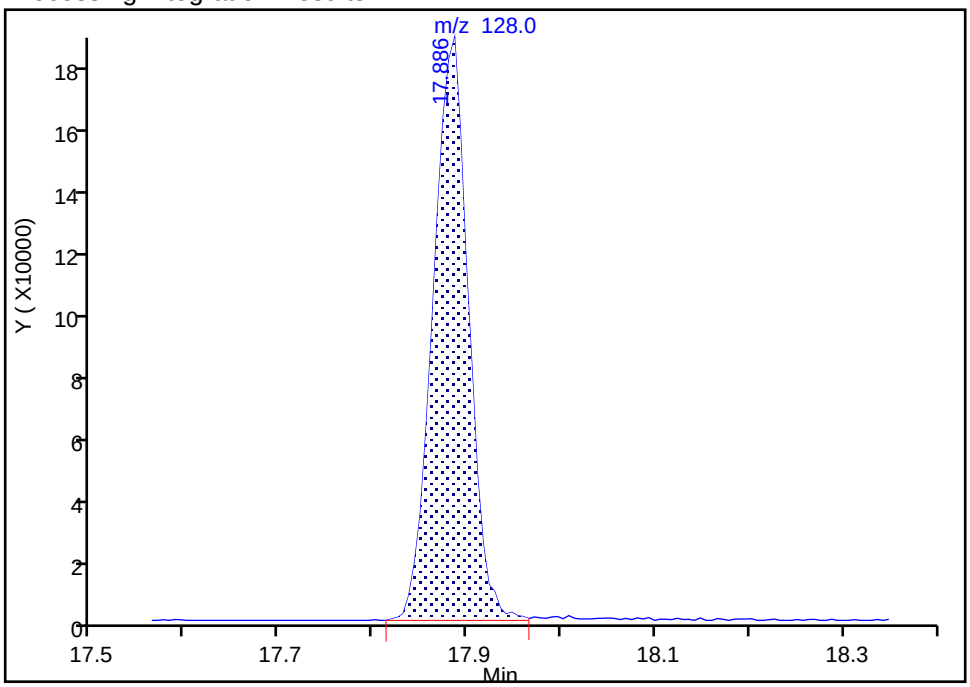
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D				
Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

124 Naphthalene, CAS: 91-20-3

Signal: 1

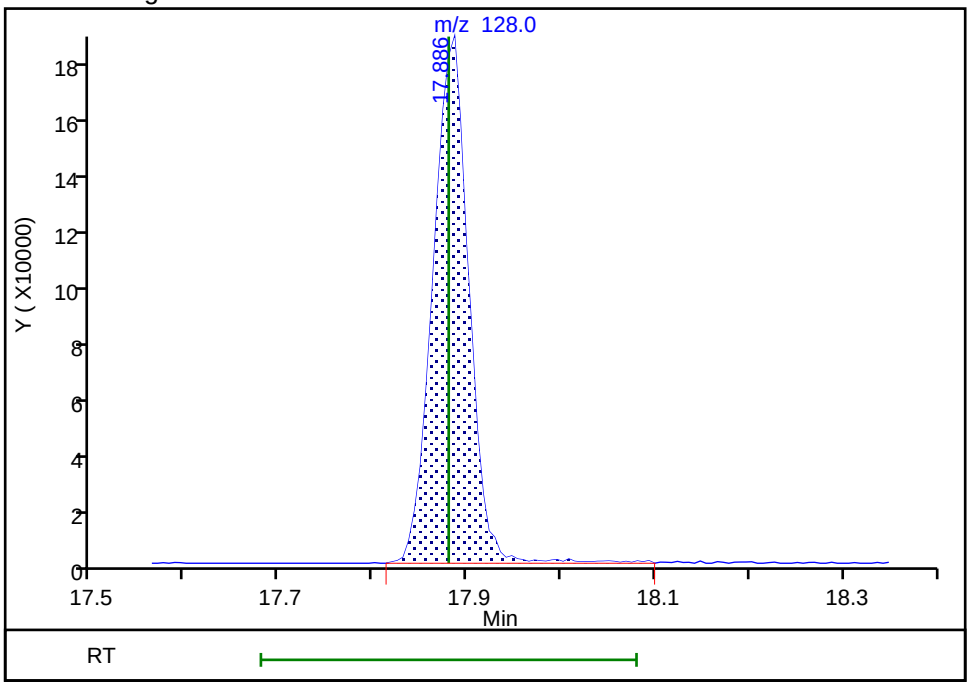
Processing Integration Results

RT: 17.89
Area: 482858
Amount: 174.2953
Amount Units: ng



Manual Integration Results

RT: 17.89
Area: 488279
Amount: 161.6357
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:29:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2020 12:42:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-014
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:33 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	78	252760	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.172	-0.007	98	596785	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.244	-0.006	88	132184	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.629	-0.001	98	177614	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	511421	200.0	202.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	829657	200.0	211.1	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2324597	200.0	196.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	801286	200.0	203.8	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	100	872601	200.0	211.0	
12 Chloromethane	50	3.851	3.857	-0.006	100	1036786	200.0	212.7	
13 Vinyl chloride	62	4.131	4.137	-0.006	98	888095	200.0	218.4	
14 Butadiene	39	4.191	4.198	-0.007	93	1007668	200.0	214.7	
15 Bromomethane	94	4.824	4.837	-0.013	91	470832	200.0	199.2	
16 Chloroethane	64	5.098	5.105	-0.007	99	578080	200.0	208.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	1329027	200.0	205.9	
18 Trichlorofluoromethane	101	5.603	5.597	0.006	98	1192370	200.0	213.4	
20 Ethyl ether	59	6.114	6.120	-0.006	95	664453	200.0	226.7	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	579907	200.0	219.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	638062	200.0	207.9	
24 Acetone	43	6.594	6.595	-0.001	99	571930	400.0	454.0	
25 Iodomethane	142	6.740	6.741	-0.001	99	850385	200.0	218.2	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1752803	200.0	219.1	
30 Methyl acetate	43	7.075	7.069	0.006	99	1200806	400.0	452.3	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	90	388186	200.0	232.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	733511	200.0	213.0	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	94	647659	2000.0	2190.6	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	3285828	2000.0	2305.9	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	1959001	200.0	271.4	
34 trans-1,2-Dichloroethene	96	7.653	7.660	-0.007	94	722420	200.0	212.3	
36 Hexane	57	8.012	8.012	0.000	95	1195781	200.0	229.8	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	1402144	200.0	217.5	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	751617	400.0	460.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.918	8.919	-0.001	86	781917	200.0	216.5	
42 2,2-Dichloropropane	97	8.918	8.925	-0.007	92	174589	200.0	204.7	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	340592	200.0	212.1	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	54	494054	400.0	565.6	
50 Chloroform	83	9.283	9.284	-0.001	95	1265843	200.0	213.2	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1117814	200.0	220.8	
52 Cyclohexane	56	9.569	9.570	-0.001	93	1609731	200.0	258.3	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1024928	200.0	229.7	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	97	904067	200.0	222.0	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	91	619287	5000.0	5723.8	
56 Benzene	78	9.873	9.880	-0.007	98	3081445	200.0	222.8	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1143818	200.0	223.1	
59 n-Heptane	43	10.123	10.117	0.006	95	985227	200.0	268.0	
61 Trichloroethene	130	10.543	10.543	0.000	97	740156	200.0	224.3	
63 Methylcyclohexane	83	10.798	10.793	0.005	95	1257625	200.0	241.6	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	91	812076	200.0	221.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	96	160916	4000.0	5787.0	
67 Dibromomethane	93	10.914	10.908	0.006	97	385788	200.0	219.8	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	888638	200.0	231.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	1084120	200.0	287.7	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1523082	400.0	418.4	
73 Toluene	91	11.838	11.839	-0.001	98	3312951	200.0	223.4	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	80	845208	200.0	199.0	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	90	996294	200.0	253.9	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	95	603597	200.0	210.4	
77 Tetrachloroethene	164	12.368	12.368	0.000	95	587064	200.0	207.8	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1167354	200.0	221.2	
79 2-Hexanone	43	12.416	12.417	-0.001	97	1002573	400.0	417.2	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	550292	200.0	225.4	
82 Ethylene Dibromide	107	12.800	12.800	0.000	98	573575	200.0	219.6	
84 Chlorobenzene	112	13.274	13.275	-0.001	92	1944620	200.0	219.0	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1157170	200.0	229.0	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	94	628411	200.0	218.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	1417879	200.0	213.3	
89 o-Xylene	106	13.858	13.865	-0.007	97	1347963	200.0	268.7	
90 Styrene	104	13.876	13.877	-0.001	95	2110939	200.0	213.3	
91 Bromoform	173	14.107	14.102	0.005	95	276152	200.0	246.9	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	3565423	200.0	223.4	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	675427	200.0	218.5	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	80	221189	200.0	288.7	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	85	247013	200.0	215.9	
95 Bromobenzene	156	14.600	14.601	-0.001	97	726350	200.0	226.4	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	902068	200.0	242.9	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	721911	200.0	230.5	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	2666591	200.0	224.4	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	745803	200.0	232.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2406534	200.0	247.4	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	97	2649257	200.0	226.4	
108 sec-Butylbenzene	105	15.373	15.379	-0.006	94	2997535	200.0	247.1	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2392283	200.0	217.8	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	98	1278992	200.0	219.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1300467	200.0	219.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1897302	200.0	261.4	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1153305	200.0	225.7	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	78220	200.0	242.9	
122 1,2,4-Trichlorobenzene	180	17.587	17.582	0.005	94	348851	200.0	268.1	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	97	180552	200.0	272.4	
124 Naphthalene	128	17.885	17.880	0.005	97	829265	200.0	208.7	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	94	232782	200.0	342.0	
S 130 1,2-Dichloroethene, Total	96				0		400.0	428.8	
S 131 Xylenes, Total	106				0		400.0	482.1	
S 154 Total BTEX	1				0		1000.0	1157.2	
S 132 1,3-Dichloropropene, Total	1				0		400.0	541.6	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	8.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	8.00	Units: uL
VOA8260SURR_00112	Amount Added:	8.00	Units: uL

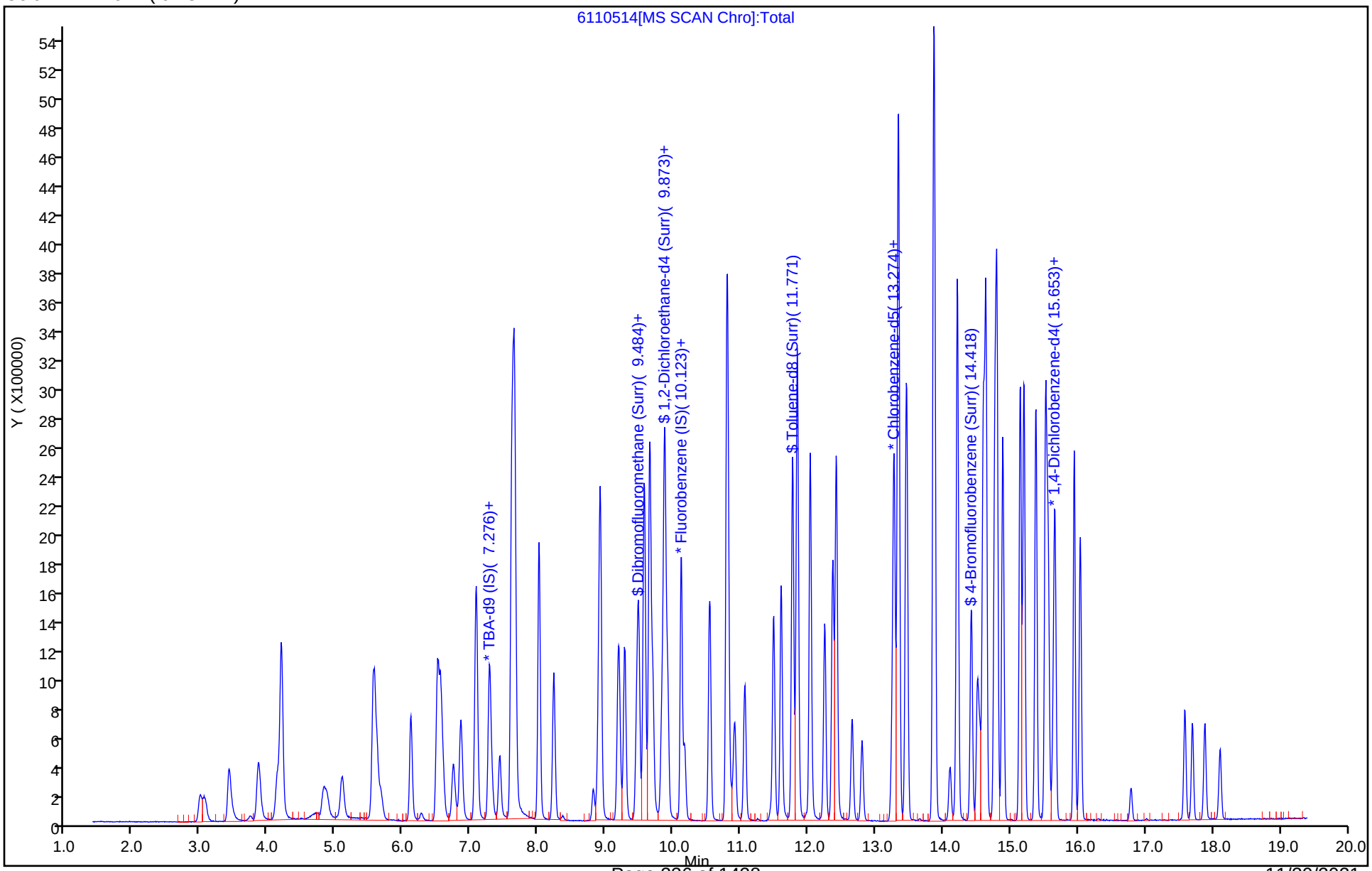
Report Date: 08-Nov-2020 13:31:36 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D

Injection Date:	05-Nov-2020 12:42:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2020 13:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-015
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:42 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.318	7.319	-0.001	93	238315	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	99	597851	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.243	13.244	-0.001	88	135295	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	92	182728	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	671299	250.0	265.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	1001784	250.0	254.4	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2969702	250.0	244.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	1058585	250.0	263.0	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	99	883329	250.0	213.2	
12 Chloromethane	50	3.863	3.857	0.006	99	1134366	250.0	232.3	
13 Vinyl chloride	62	4.136	4.137	-0.001	98	921287	250.0	226.2	
14 Butadiene	39	4.197	4.198	-0.001	92	968799	250.0	206.0	
15 Bromomethane	94	4.818	4.837	-0.019	91	525833	250.0	222.0	
16 Chloroethane	64	5.085	5.105	-0.020	99	619755	250.0	223.5	
17 Dichlorofluoromethane	67	5.554	5.567	-0.013	97	1518170	250.0	234.8	
18 Trichlorofluoromethane	101	5.590	5.597	-0.007	87	1223795	250.0	218.6	
20 Ethyl ether	59	6.114	6.120	-0.006	95	858517	250.0	292.4	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	598741	250.0	226.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	655389	250.0	213.1	
24 Acetone	43	6.588	6.595	-0.007	99	742709	500.0	588.5	
25 Iodomethane	142	6.740	6.741	-0.001	98	1001720	250.0	256.6	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1850851	250.0	230.9	
30 Methyl acetate	43	7.075	7.069	0.006	99	1552385	500.0	583.6	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	89	431280	250.0	258.3	
31 Methylene Chloride	84	7.282	7.276	0.006	99	880652	250.0	256.2	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	96	840352	2500.0	3014.7	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	4319686	2500.0	3026.1	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	2517888	250.0	348.2	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	94	786998	250.0	230.8	
36 Hexane	57	8.012	8.012	0.000	94	1217455	250.0	233.5	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	1621674	250.0	251.2	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	963829	500.0	589.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	86	932012	250.0	257.6	
42 2,2-Dichloropropane	97	8.924	8.925	-0.001	92	197160	250.0	230.8	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	418685	250.0	260.2	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	45	649164	500.0	741.8	
50 Chloroform	83	9.283	9.284	-0.001	97	1501363	250.0	252.4	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1192137	250.0	235.1	
52 Cyclohexane	56	9.575	9.570	0.005	93	1642460	250.0	263.0	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1086528	250.0	243.1	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	95	963658	250.0	236.2	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	93	836215	6250.0	7714.9	
56 Benzene	78	9.873	9.880	-0.007	98	3568216	250.0	257.5	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1414230	250.0	275.4	
59 n-Heptane	43	10.123	10.117	0.006	95	1001052	250.0	271.9	
61 Trichloroethene	130	10.542	10.543	-0.001	97	826397	250.0	250.0	
63 Methylcyclohexane	83	10.798	10.793	0.005	93	1303685	250.0	249.9	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	92	982978	250.0	267.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	98	211979	5000.0	7609.8	
67 Dibromomethane	93	10.907	10.908	-0.001	95	497257	250.0	282.8	
68 Dichlorobromomethane	83	11.059	11.060	-0.001	99	1099771	250.0	286.0	
71 cis-1,3-Dichloropropene	75	11.491	11.492	-0.001	92	1377526	250.0	364.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1964437	500.0	522.1	
73 Toluene	91	11.844	11.839	0.005	97	3814402	250.0	251.3	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	90	1119374	250.0	235.9	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	93	1275175	250.0	317.5	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	94	775365	250.0	264.0	
77 Tetrachloroethene	164	12.361	12.368	-0.007	95	642453	250.0	222.2	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1488680	250.0	275.6	
79 2-Hexanone	43	12.416	12.417	-0.001	92	1292763	500.0	520.4	
81 Chlorodibromomethane	129	12.653	12.654	-0.001	90	712707	250.0	285.2	
82 Ethylene Dibromide	107	12.799	12.800	-0.001	99	744456	250.0	278.4	
84 Chlorobenzene	112	13.274	13.275	-0.001	93	2353188	250.0	258.9	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1322356	250.0	255.4	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	93	769833	250.0	261.4	
88 m-Xylene & p-Xylene	106	13.456	13.463	-0.007	100	1642810	250.0	241.1	
89 o-Xylene	106	13.858	13.865	-0.007	98	1591685	250.0	310.0	
90 Styrene	104	13.876	13.877	-0.001	95	2573458	250.0	253.2	
91 Bromoform	173	14.107	14.102	0.005	95	365030	250.0	318.8	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	4026784	250.0	246.3	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	864759	250.0	273.3	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	70	293192	250.0	371.6	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	88	321244	250.0	272.9	
95 Bromobenzene	156	14.600	14.601	-0.001	98	895171	250.0	271.3	
99 N-Propylbenzene	120	14.637	14.637	0.000	99	1013082	250.0	264.9	
100 2-Chlorotoluene	126	14.764	14.771	-0.007	95	838635	250.0	260.3	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	3070571	250.0	250.9	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	873110	250.0	264.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2743319	250.0	273.8	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	98	3106150	250.0	257.7	
108 sec-Butylbenzene	105	15.379	15.379	0.000	94	3345177	250.0	267.9	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2712218	250.0	239.6	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	97	1534633	250.0	255.6	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1576970	250.0	258.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.944	15.945	-0.001	98	2135121	250.0	285.7	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1421657	250.0	270.4	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	107380	250.0	324.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	94	426821	250.0	318.9	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	95	192694	250.0	282.6	
124 Naphthalene	128	17.879	17.880	-0.001	98	1091308	250.0	240.6	
125 1,2,3-Trichlorobenzene	180	18.104	18.105	-0.001	94	290995	250.0	415.5	
S 130 1,2-Dichloroethene, Total	96				0		500.0	488.4	
S 131 Xylenes, Total	106				0		500.0	551.2	
S 154 Total BTEX	1				0		1250.0	1315.4	
S 132 1,3-Dichloropropene, Total	1				0		500.0	682.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	10.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	10.00	Units: uL
VOA8260SURR_00112	Amount Added:	10.00	Units: uL

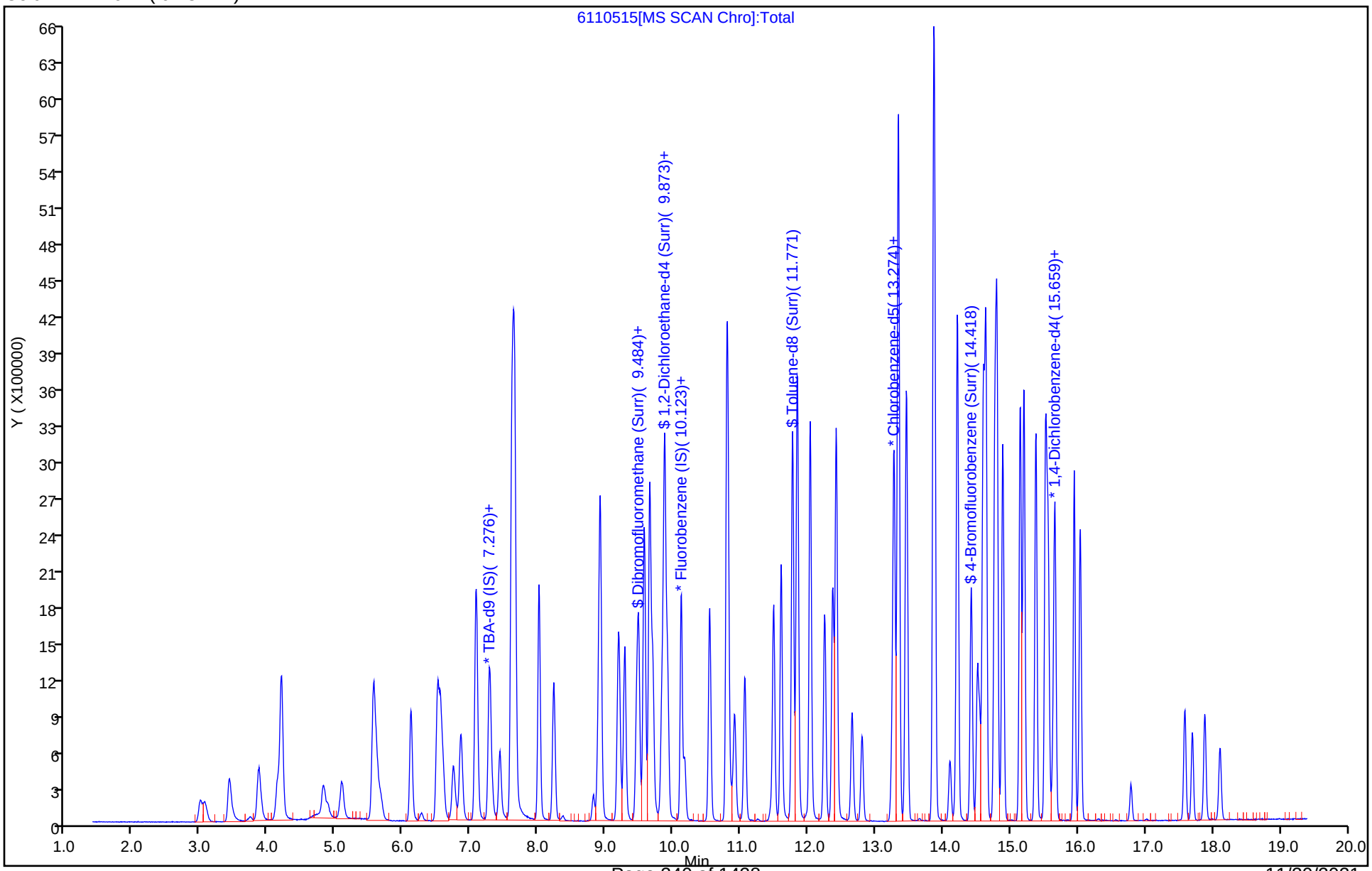
Report Date: 08-Nov-2020 13:31:45 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D

Injection Date:	05-Nov-2020 13:09:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2020 18:41:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-025
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:51 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	90	153503	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	399089	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	91	78244	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.635	15.629	0.006	97	91017	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.466	9.460	0.006	89	14705	5.00	8.70	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	83	24566	5.00	9.35	
$ 7 Toluene-d8 (Surr)	98	11.766	11.772	-0.006	95	45718	5.00	6.52	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	13827	5.00	5.94	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	88	15100	5.00	5.46	M
12 Chloromethane	50	3.863	3.857	0.006	67	18021	5.00	5.53	M
13 Vinyl chloride	62	4.155	4.137	0.018	31	14342	5.00	5.27	M
14 Butadiene	39	4.192	4.198	-0.006	96	22306	5.00	5.03	M
15 Bromomethane	94	4.873	4.837	0.036	36	9885	5.00	6.25	M
16 Chloroethane	64	5.086	5.105	-0.019	57	11007	5.00	5.95	
17 Dichlorofluoromethane	67	5.561	5.567	-0.006	96	24299	5.00	5.63	
18 Trichlorofluoromethane	101	5.591	5.597	-0.006	79	20380	5.00	5.45	
20 Ethyl ether	59	6.108	6.120	-0.012	96	9870	5.00	5.04	
22 1,1-Dichloroethene	96	6.497	6.504	-0.007	91	9528	5.00	5.39	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	74	12537	5.00	6.11	
24 Acetone	43	6.601	6.595	0.006	89	15200	25.0	18.0	
25 Iodomethane	142	6.747	6.741	0.006	97	13221	5.00	5.07	
26 Carbon disulfide	76	6.850	6.857	-0.007	98	29575	5.00	5.53	M
30 Methyl acetate	43	7.069	7.069	0.000	95	17788	10.0	10.0	M
29 3-Chloro-1-propene	76	7.081	7.082	-0.001	91	5735	5.00	5.14	
31 Methylene Chloride	84	7.282	7.276	0.006	95	24279	5.00	5.93	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	89	7780	50.0	43.3	
33 Acrylonitrile	53	7.623	7.617	0.006	98	46376	50.0	48.7	M
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	94	22607	5.00	4.68	
34 trans-1,2-Dichloroethene	96	7.665	7.660	0.005	91	13973	5.00	6.14	
36 Hexane	57	8.012	8.012	0.000	95	15606	5.00	4.48	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	85	23812	5.00	5.52	M
44 2-Butanone (MEK)	43	8.900	8.882	0.018	97	13993	25.0	12.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	88	14197	5.00	5.88	
42 2,2-Dichloropropane	97	8.937	8.925	0.012	88	3995	5.00	7.01	M
48 Chlorobromomethane	128	9.198	9.180	0.018	92	7039	5.00	6.55	
49 Tetrahydrofuran	42	9.217	9.211	0.006	42	5800	10.0	9.93	
50 Chloroform	83	9.271	9.284	-0.013	73	23020	5.00	5.80	M
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	93	18558	5.00	5.48	
52 Cyclohexane	56	9.570	9.570	0.000	92	16756	5.00	4.02	
54 1,1-Dichloropropene	75	9.643	9.649	-0.006	84	12438	5.00	4.17	
53 Carbon tetrachloride	117	9.661	9.661	0.000	95	14422	5.00	5.30	M
55 Isobutyl alcohol	41	9.697	9.698	-0.001	23	6302	125.0	87.1	
56 Benzene	78	9.874	9.880	-0.006	96	44151	5.00	4.77	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	98	17919	5.00	5.23	
59 n-Heptane	43	10.111	10.117	-0.006	68	9622	5.00	3.91	
61 Trichloroethene	130	10.537	10.543	-0.006	94	11858	5.00	5.37	
63 Methylcyclohexane	83	10.792	10.793	-0.001	83	13582	5.00	5.28	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	73	12607	5.00	5.13	
65 1,4-Dioxane	88	10.865	10.859	0.006	44	1282	100.0	68.9	
67 Dibromomethane	93	10.920	10.908	0.012	92	6515	5.00	5.55	
68 Dichlorobromomethane	83	11.054	11.060	-0.006	94	12293	5.00	4.79	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	90	11209	5.00	4.45	
72 4-Methyl-2-pentanone (MIBK)	43	11.608	11.602	0.006	94	11808	25.0	24.8	
73 Toluene	91	11.839	11.839	0.000	97	35382	5.00	4.03	
75 Ethyl methacrylate	69	12.039	12.034	0.005	60	5124	5.00	5.02	M
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	92	9921	5.00	4.27	
76 1,1,2-Trichloroethane	97	12.252	12.247	0.006	93	9031	5.00	5.32	
77 Tetrachloroethene	164	12.362	12.368	-0.006	92	8280	5.00	4.95	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	13613	5.00	4.36	
79 2-Hexanone	43	12.417	12.417	0.000	51	7721	25.0	25.0	M
81 Chlorodibromomethane	129	12.660	12.654	0.006	82	7582	5.00	5.25	
82 Ethylene Dibromide	107	12.806	12.800	0.006	42	8467	5.00	5.48	
84 Chlorobenzene	112	13.280	13.275	0.005	92	24074	5.00	4.58	
87 Ethylbenzene	106	13.341	13.342	-0.001	97	9877	5.00	5.35	M
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	50	8640	5.00	5.07	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	97	11890	5.00	5.89	M
89 o-Xylene	106	13.858	13.865	-0.007	95	10516	5.00	3.54	
90 Styrene	104	13.883	13.877	0.006	82	13582	5.00	6.60	
91 Bromoform	173	14.096	14.102	-0.006	37	3513	5.00	5.31	M
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	24744	5.00	5.13	
96 1,1,2,2-Tetrachloroethane	83	14.522	14.516	0.006	92	8747	5.00	4.78	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.546	-0.012	1	1691	5.00	5.45	M
98 1,2,3-Trichloropropane	110	14.588	14.595	-0.007	64	3283	5.00	5.60	
95 Bromobenzene	156	14.607	14.601	0.006	89	7521	5.00	4.58	M
99 N-Propylbenzene	120	14.631	14.637	-0.006	97	4800	5.00	5.02	M
100 2-Chlorotoluene	126	14.777	14.771	0.006	94	6566	5.00	4.09	M
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	15922	5.00	5.12	M
103 4-Chlorotoluene	126	14.874	14.887	-0.013	96	6354	5.00	3.86	M
104 tert-Butylbenzene	119	15.142	15.148	-0.006	94	14657	5.00	5.03	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	96	15223	5.00	5.15	
108 sec-Butylbenzene	105	15.379	15.379	0.000	93	18392	5.00	5.04	
110 4-Isopropyltoluene	119	15.525	15.526	-0.001	97	14002	5.00	6.44	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	95	14897	5.00	4.98	
111 1,4-Dichlorobenzene	146	15.671	15.659	0.012	72	15882	5.00	5.23	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	11580	5.00	5.39	
117 1,2-Dichlorobenzene	146	16.042	16.037	0.006	93	11370	5.00	4.34	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	1	778	5.00	4.72	
122 1,2,4-Trichlorobenzene	180	17.588	17.582	0.006	16	3493	5.00	5.24	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	83	2681	5.00	5.03	
124 Naphthalene	128	17.886	17.880	0.006	1	2810	5.00	4.60	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	1	1353	5.00	3.88	
S 130 1,2-Dichloroethene, Total	96				0		10.0	12.0	
S 131 Xylenes, Total	106				0		10.0	9.43	
S 154 Total BTEX	1				0		25.0	23.6	
S 132 1,3-Dichloropropene, Total	1				0		10.0	8.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VOA8260VOAPRi_00429	Amount Added:	0.20	Units: uL
VOAKETPRI_00005	Amount Added:	0.80	Units: uL
VOA8260SURR_00112	Amount Added:	0.20	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

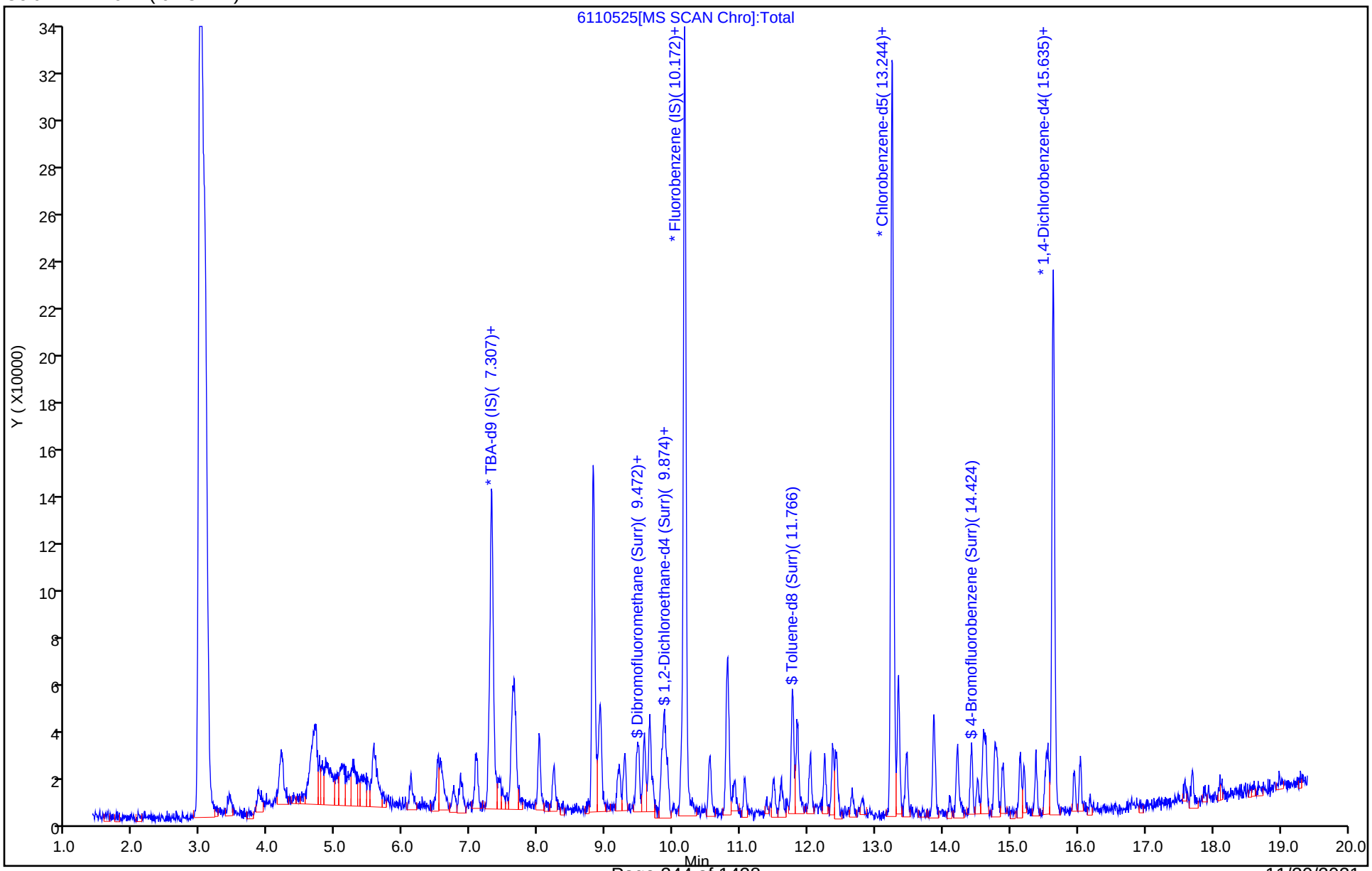
Report Date: 08-Nov-2020 13:31:54 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

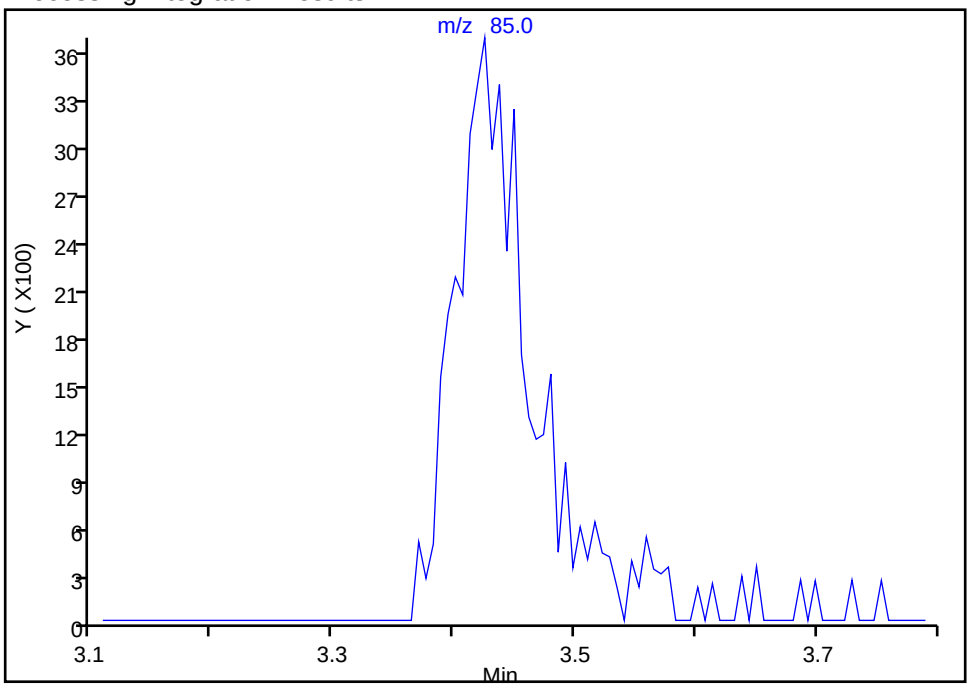
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

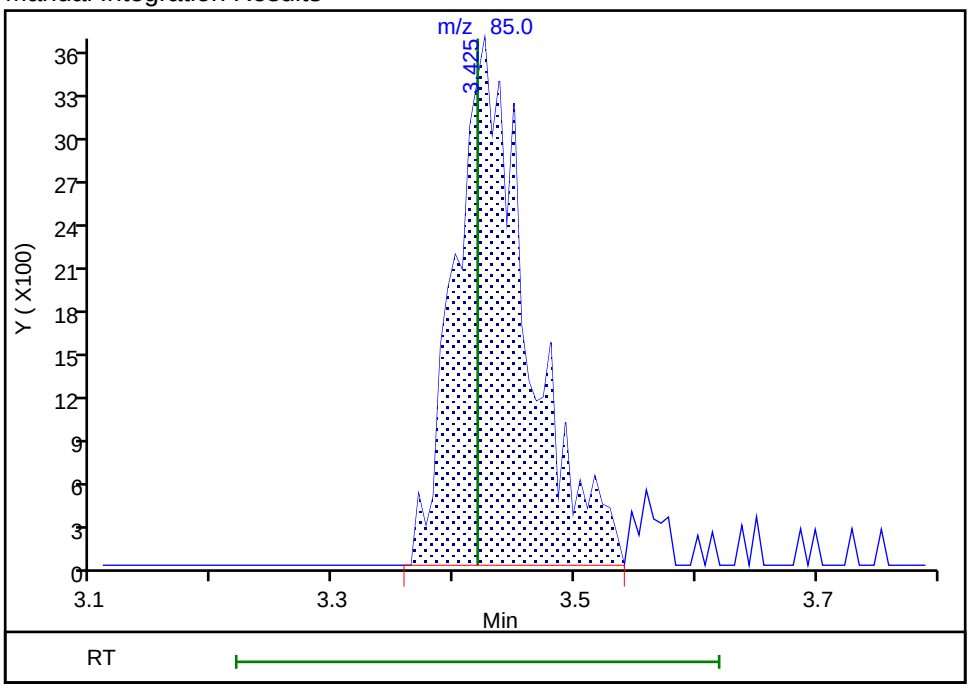
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 15100
Amount: 5.460628
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

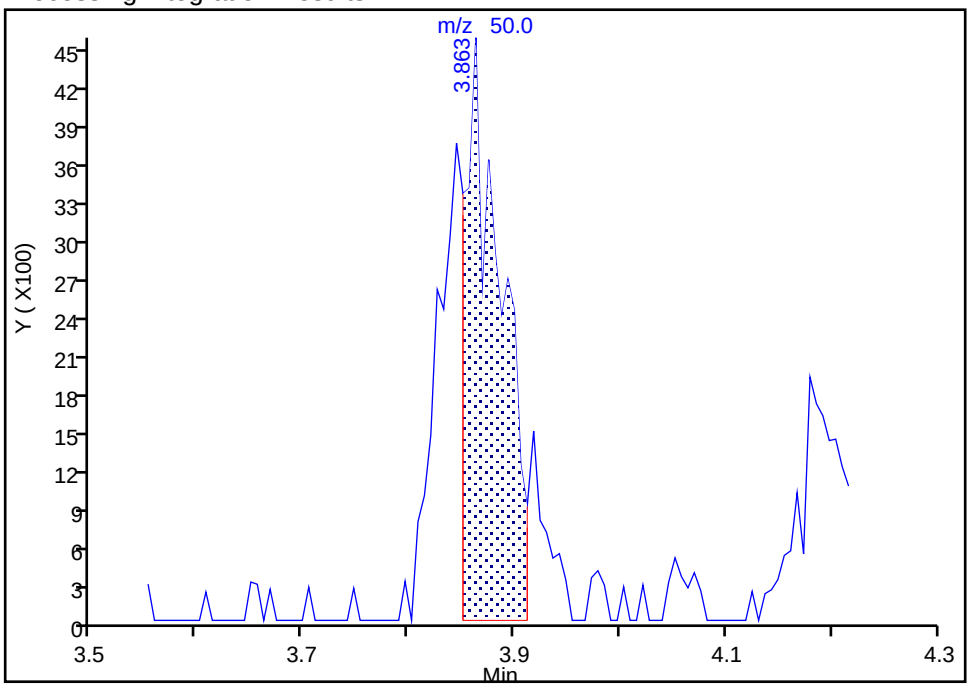
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

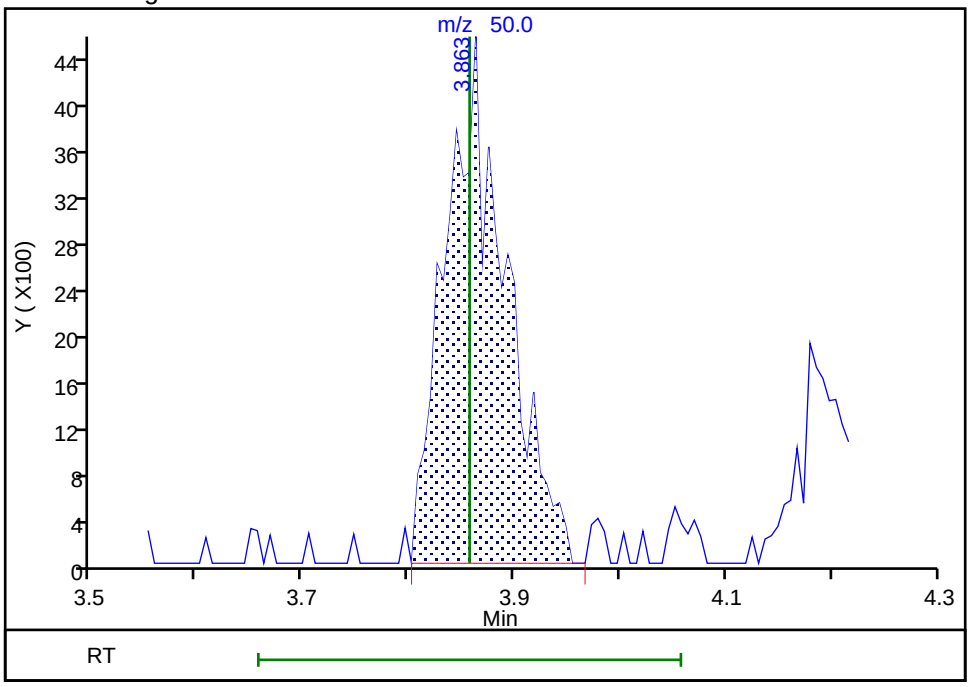
Processing Integration Results

RT: 3.86
Area: 10957
Amount: 0.389563
Amount Units: ng



Manual Integration Results

RT: 3.86
Area: 18021
Amount: 5.527195
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:47

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

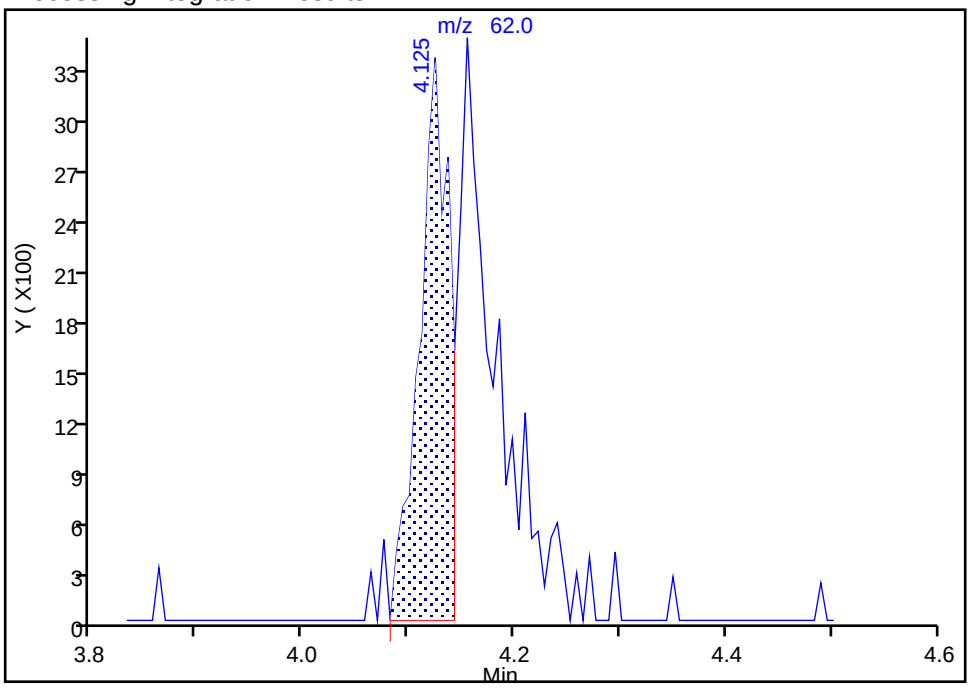
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

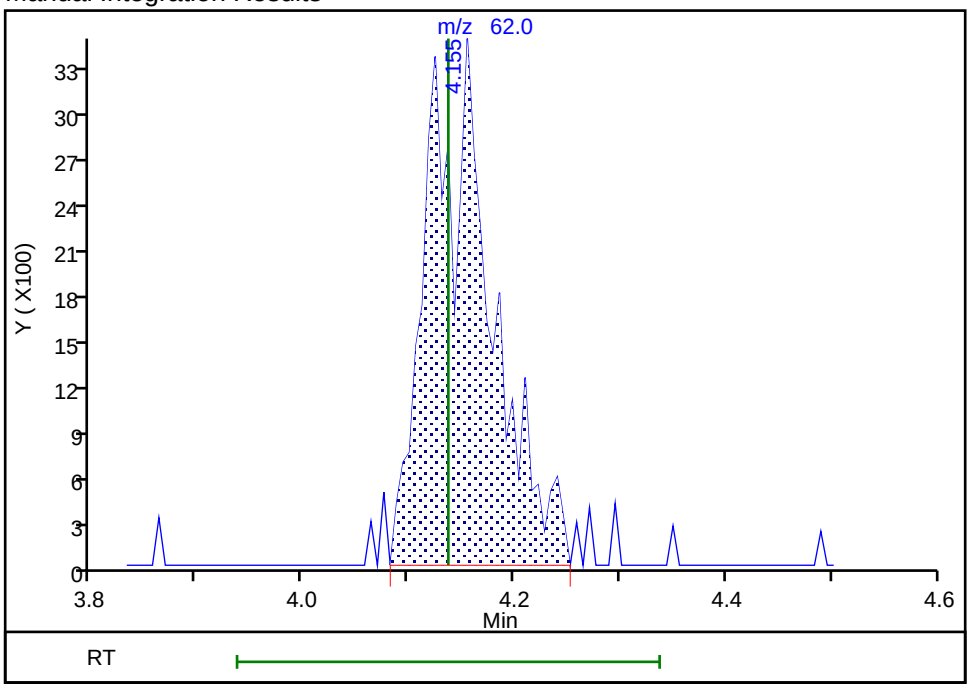
Processing Integration Results

RT: 4.12
Area: 6446
Amount: 0.272857
Amount Units: ng



Manual Integration Results

RT: 4.16
Area: 14342
Amount: 5.274053
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:56

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

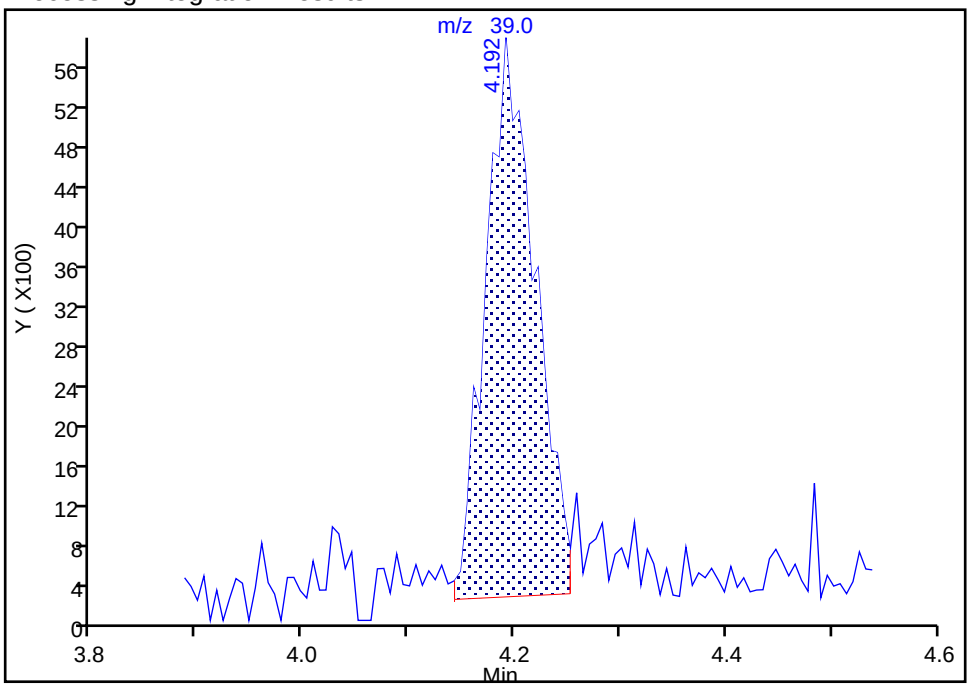
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Signal: 1

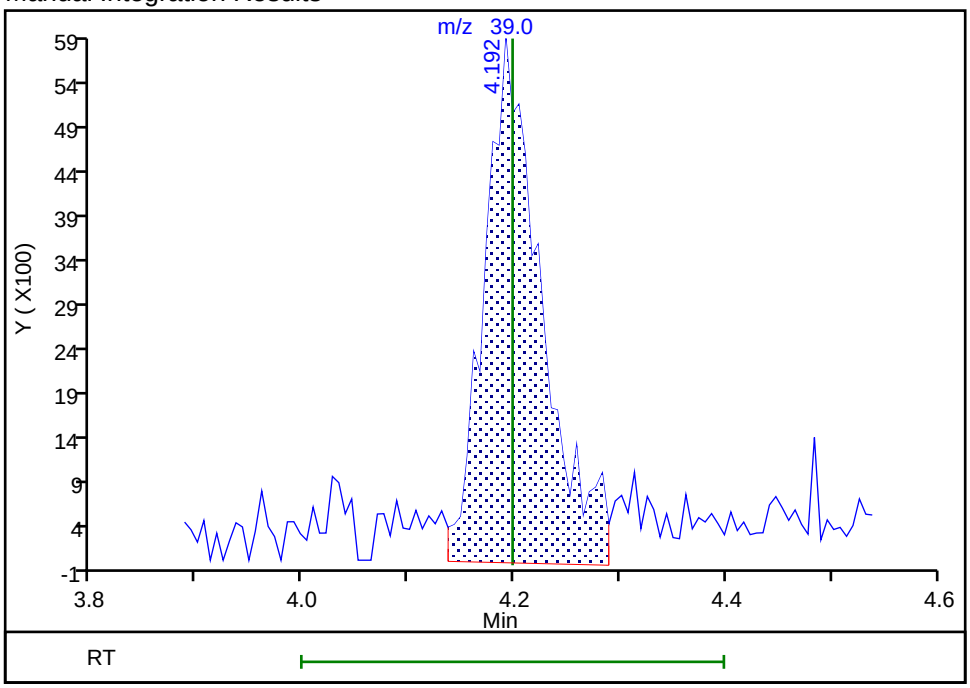
Processing Integration Results

RT: 4.19
Area: 18432
Amount: 0.677579
Amount Units: ng



Manual Integration Results

RT: 4.19
Area: 22306
Amount: 5.030336
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

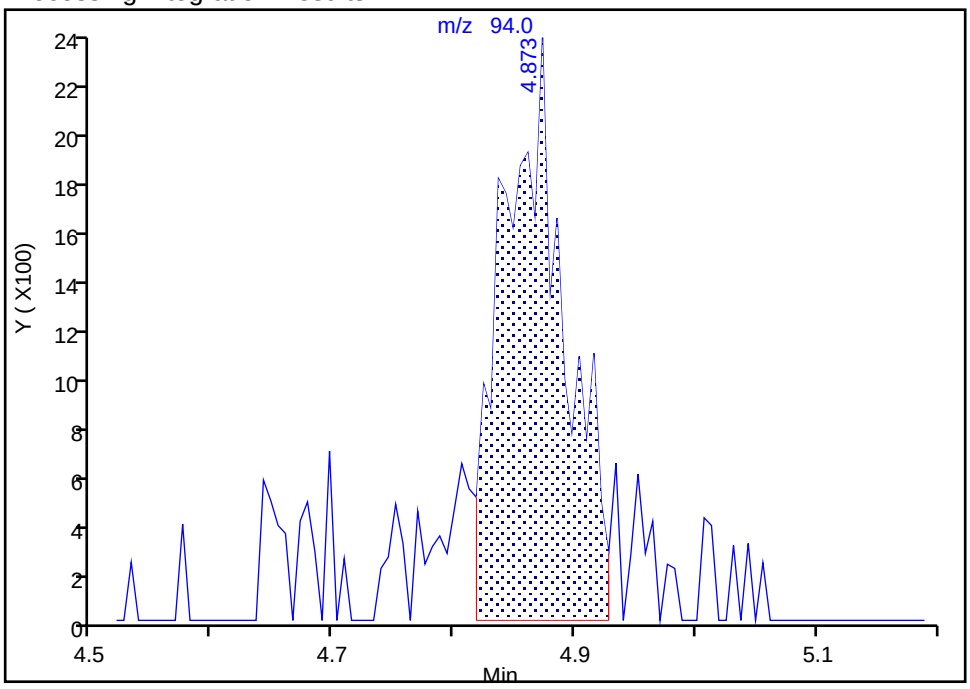
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Signal: 1

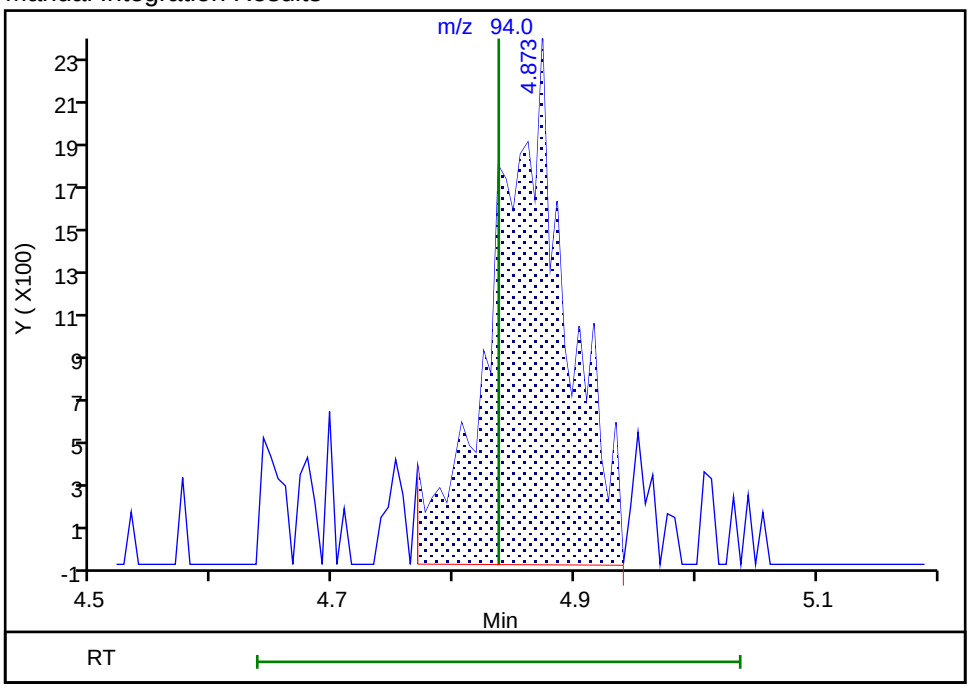
Processing Integration Results

RT: 4.87
Area: 8477
Amount: 3.597116
Amount Units: ng



Manual Integration Results

RT: 4.87
Area: 9885
Amount: 6.252851
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:18:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

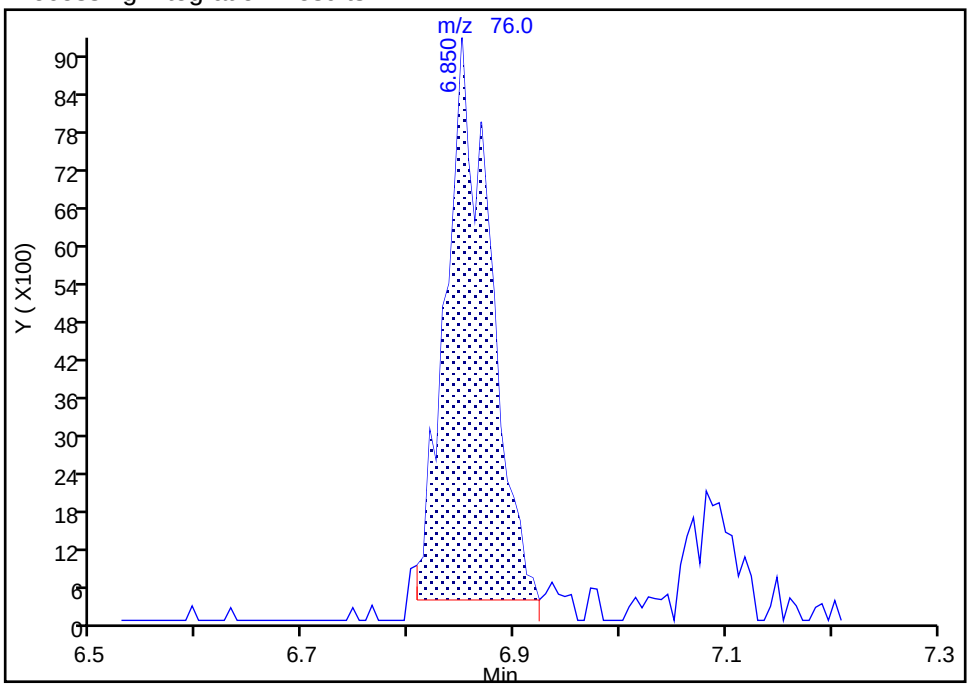
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

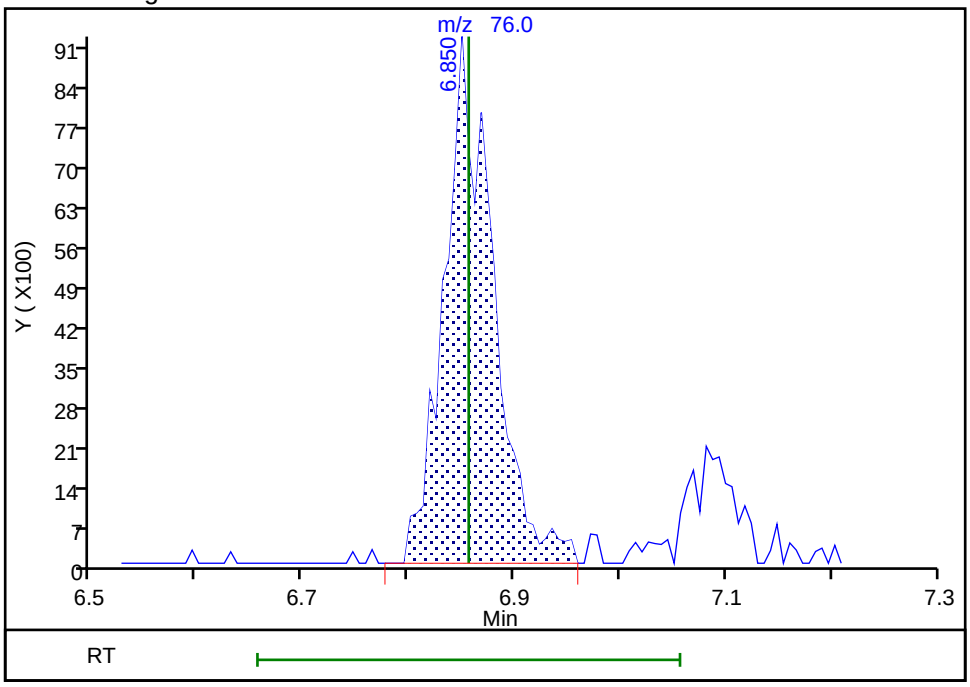
Processing Integration Results

RT: 6.85
Area: 26084
Amount: 0.564958
Amount Units: ng



Manual Integration Results

RT: 6.85
Area: 29575
Amount: 5.528208
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

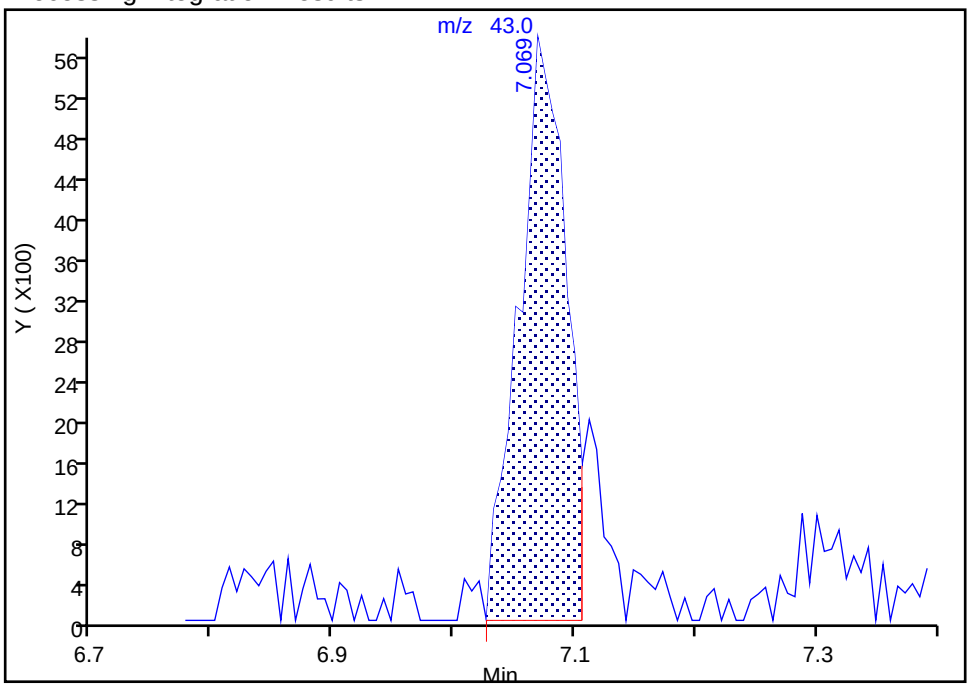
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

30 Methyl acetate, CAS: 79-20-9

Signal: 1

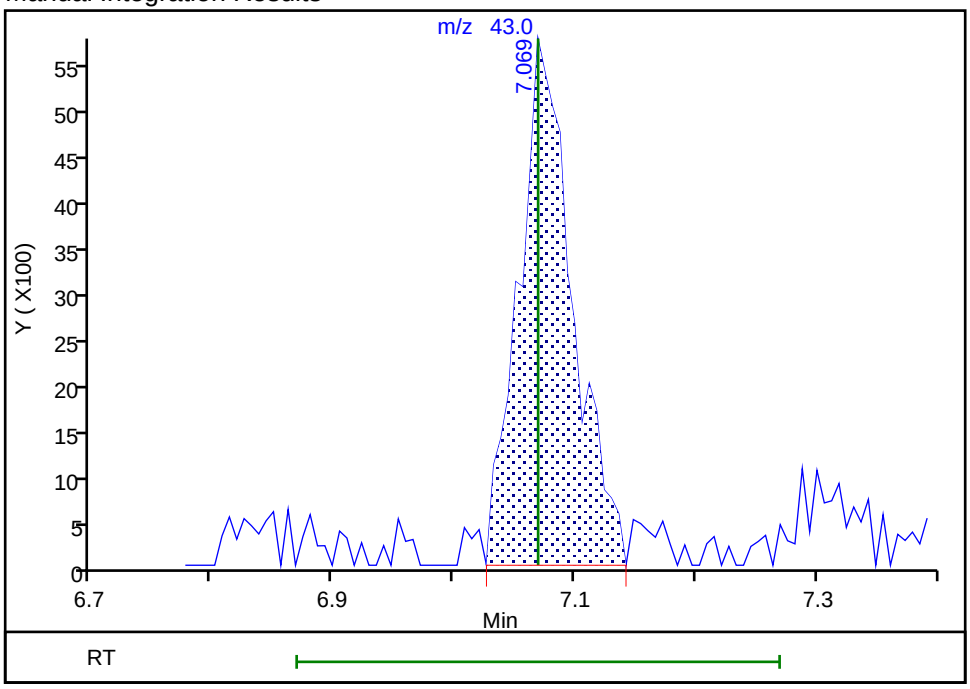
Processing Integration Results

RT: 7.07
Area: 15679
Amount: 1.008185
Amount Units: ng



Manual Integration Results

RT: 7.07
Area: 17788
Amount: 10.018241
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:27

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

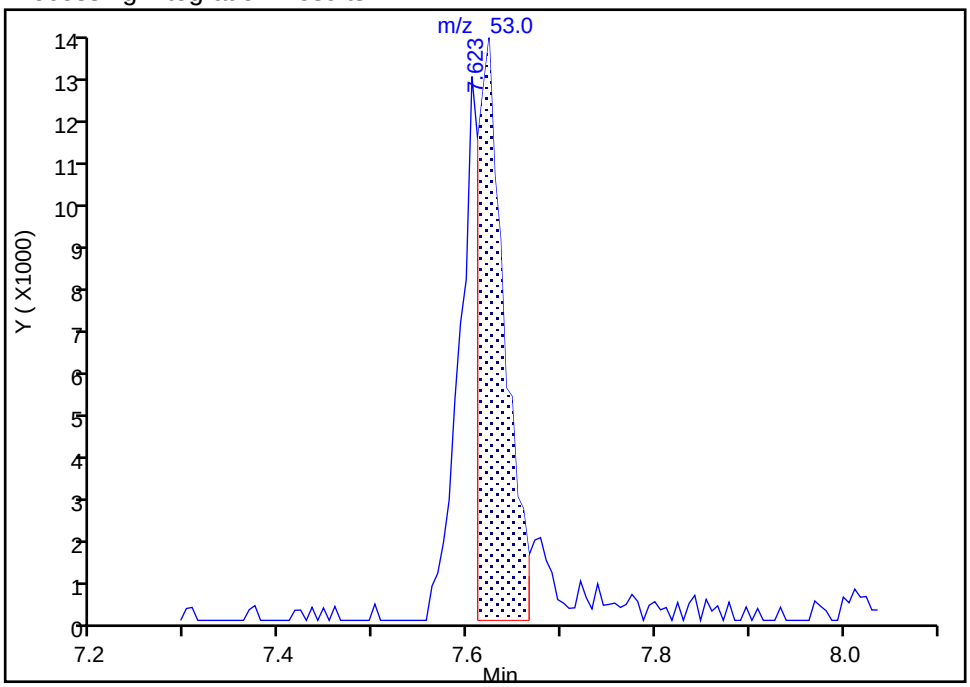
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

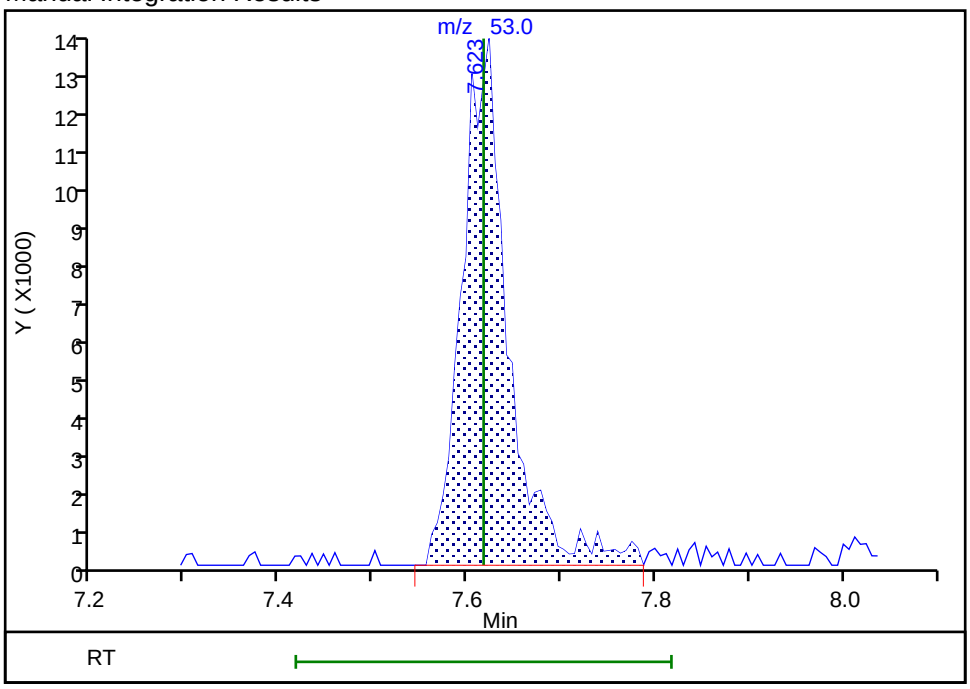
Processing Integration Results

RT: 7.62
Area: 27170
Amount: 3.243631
Amount Units: ng



Manual Integration Results

RT: 7.62
Area: 46376
Amount: 48.668164
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

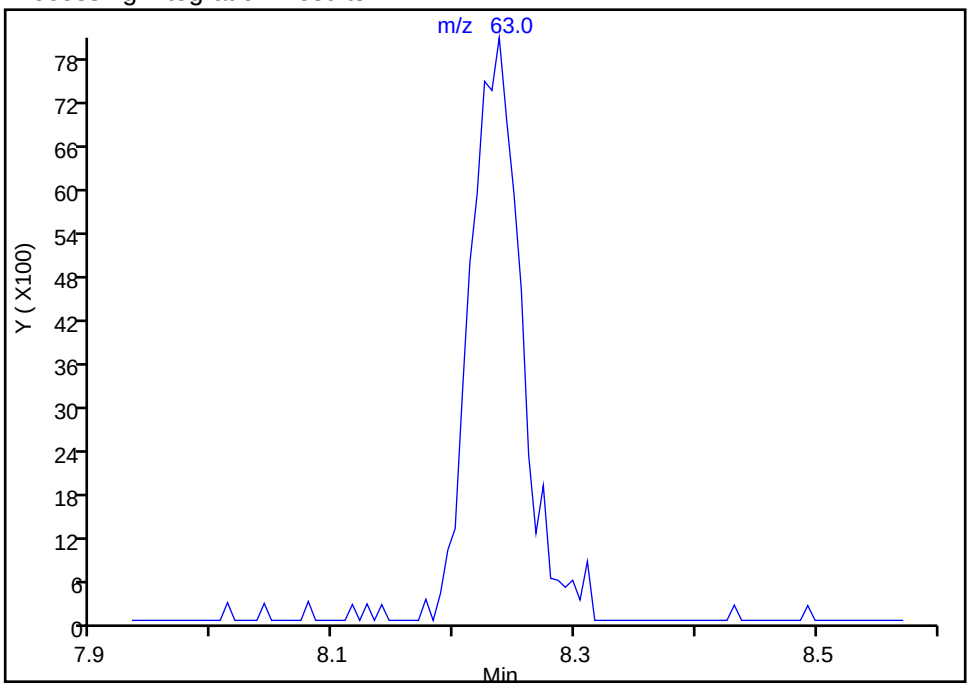
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

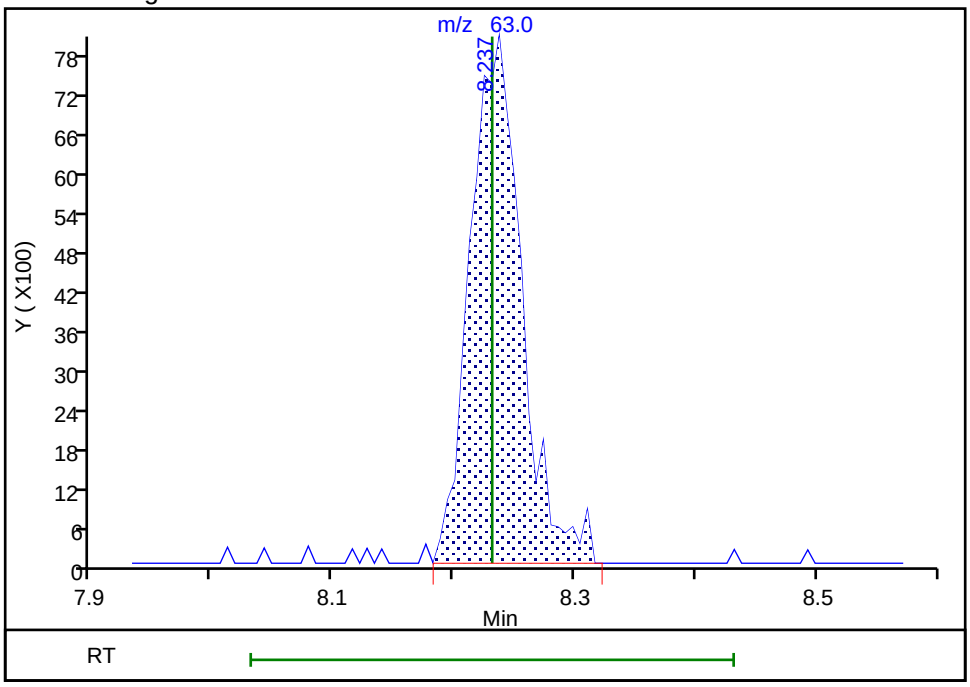
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 23812
Amount: 5.524621
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

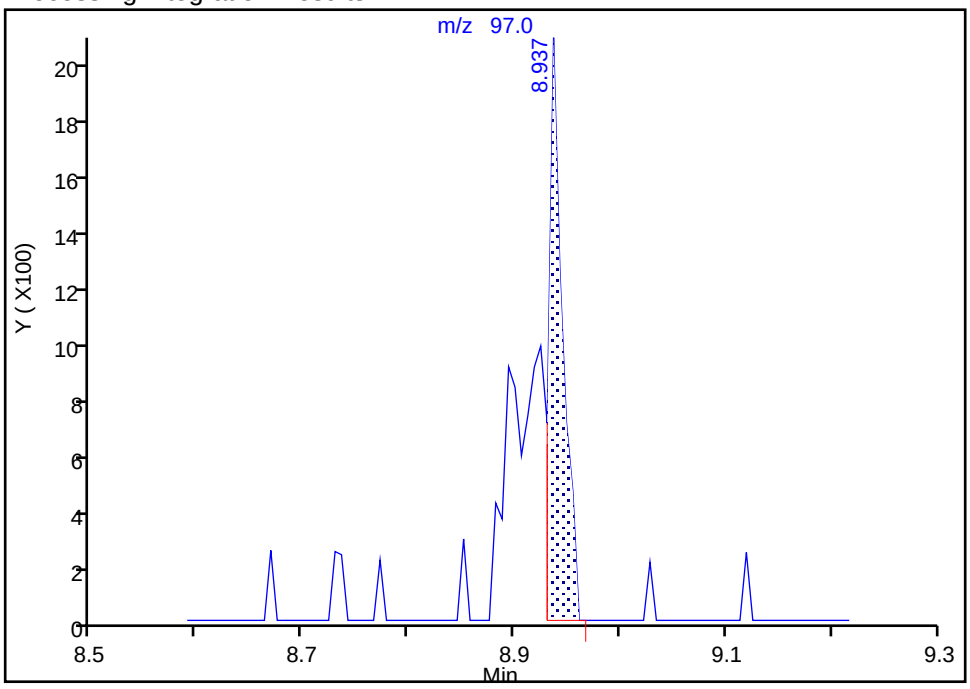
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

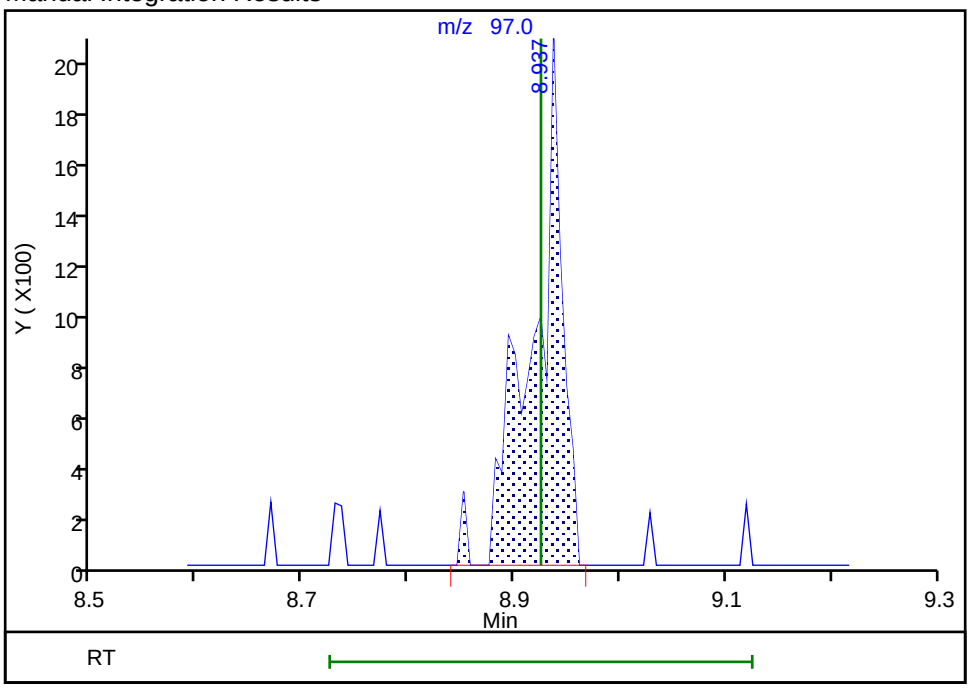
Processing Integration Results

RT: 8.94
Area: 1851
Amount: 0.393139
Amount Units: ng



Manual Integration Results

RT: 8.94
Area: 3995
Amount: 7.005843
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

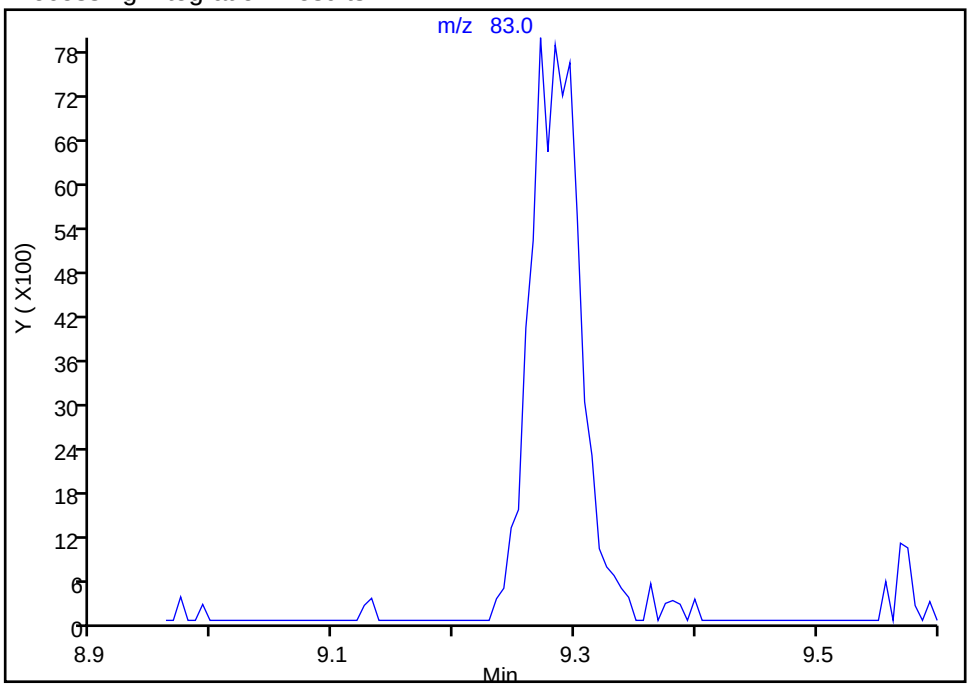
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

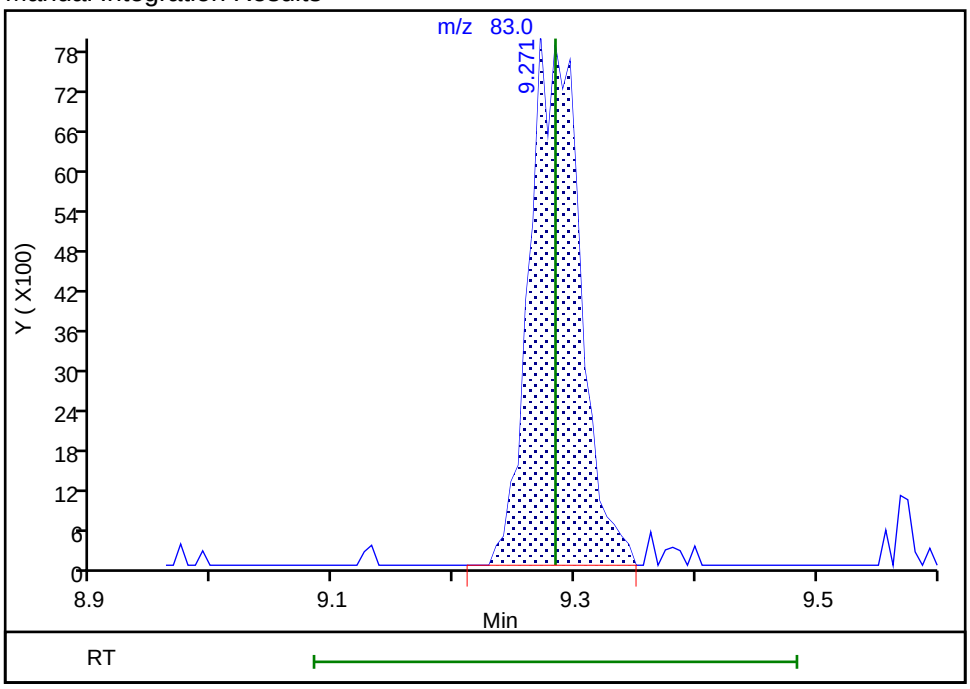
Not Detected
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.27
Area: 23020
Amount: 5.797946
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

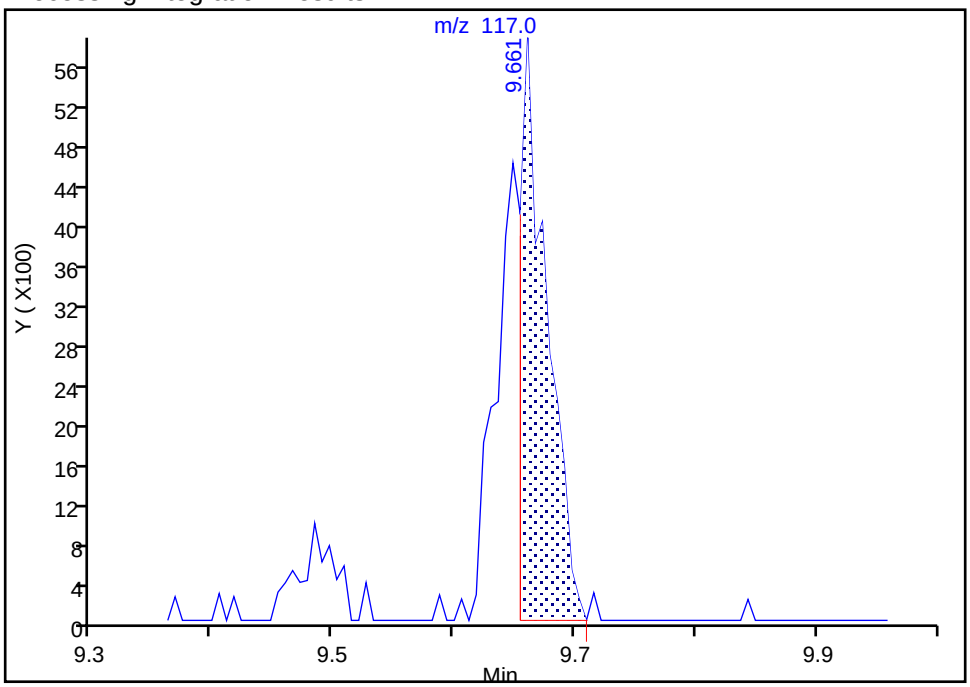
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

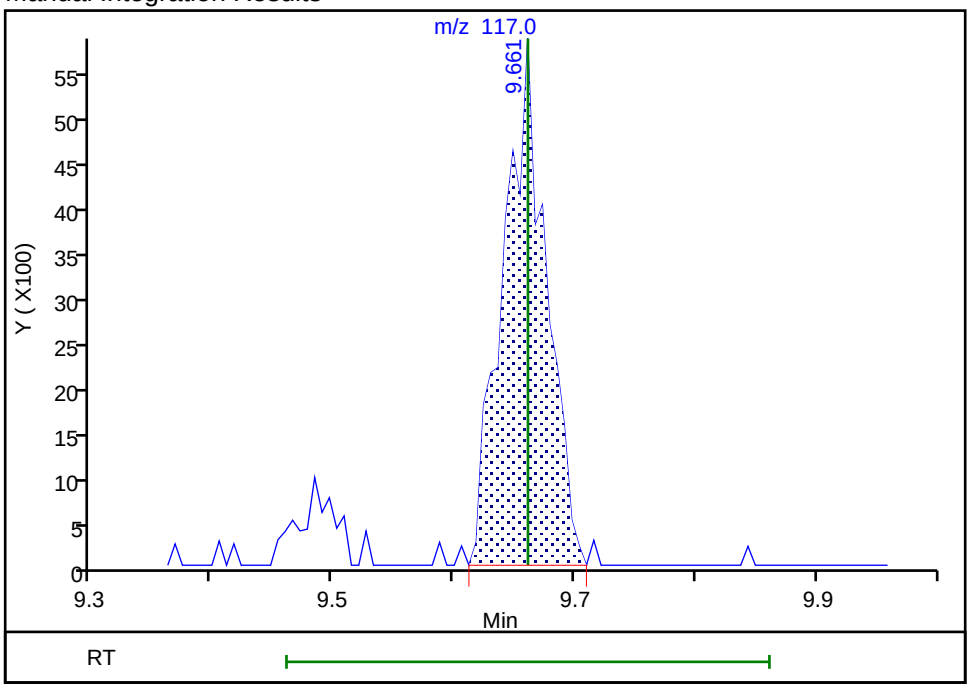
Processing Integration Results

RT: 9.66
Area: 9032
Amount: 0.381879
Amount Units: ng



Manual Integration Results

RT: 9.66
Area: 14422
Amount: 5.295505
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

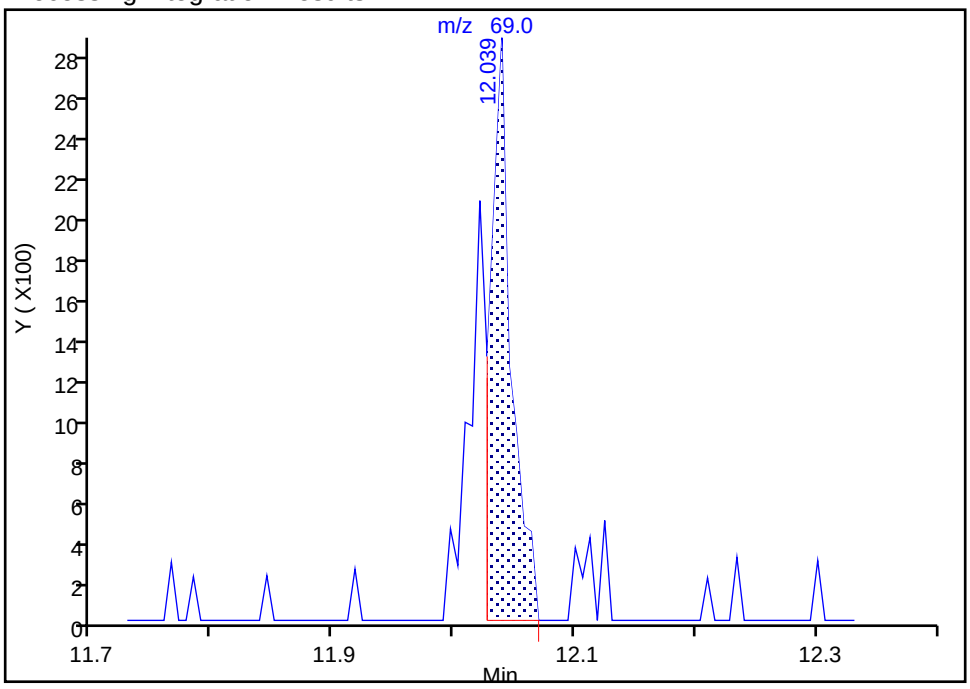
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

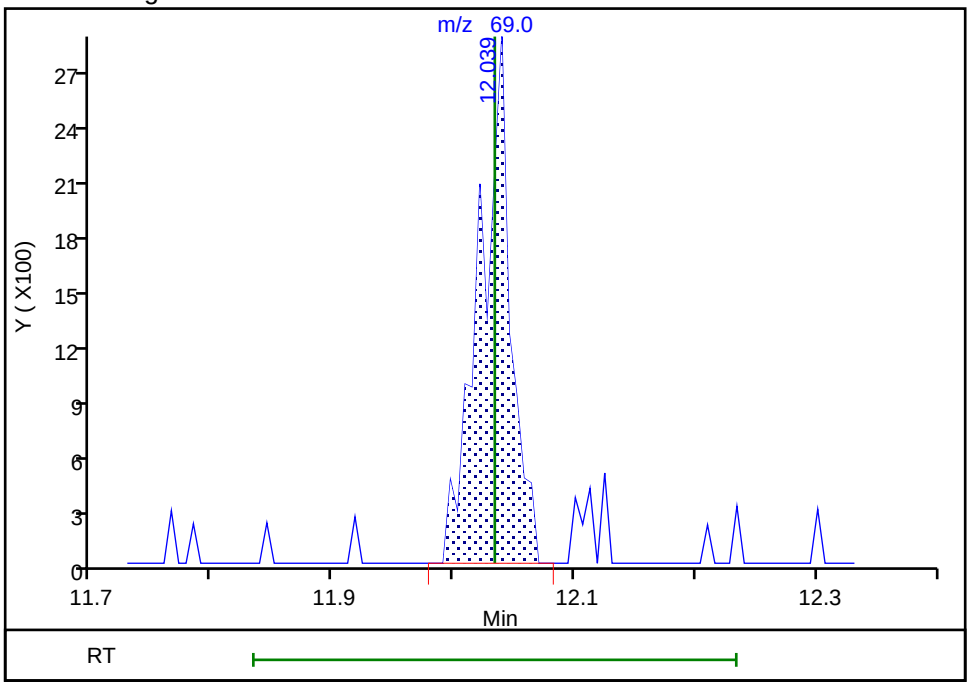
Processing Integration Results

RT: 12.04
Area: 3404
Amount: 18.470453
Amount Units: ng



Manual Integration Results

RT: 12.04
Area: 5124
Amount: 5.016277
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:18

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

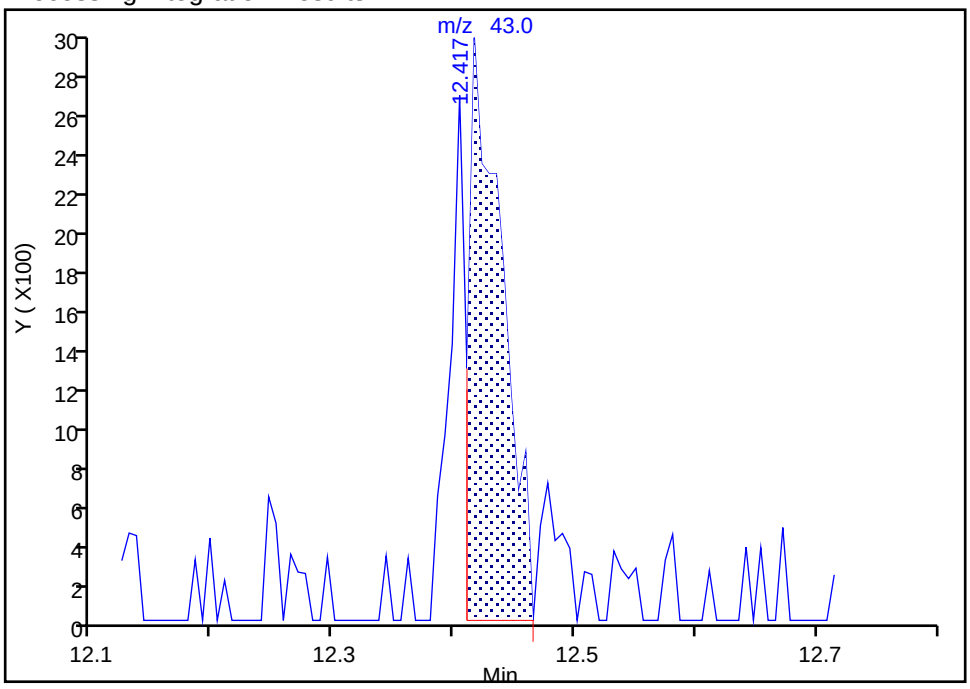
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

79 2-Hexanone, CAS: 591-78-6

Signal: 1

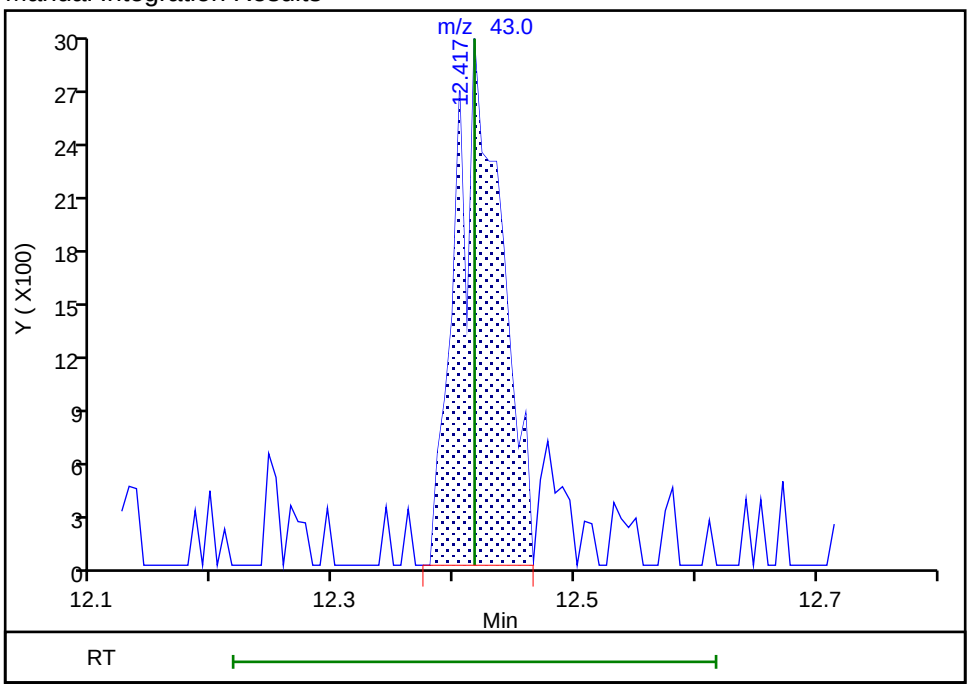
Processing Integration Results

RT: 12.42
Area: 5664
Amount: 34.637247
Amount Units: ng



Manual Integration Results

RT: 12.42
Area: 7721
Amount: 25.009587
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

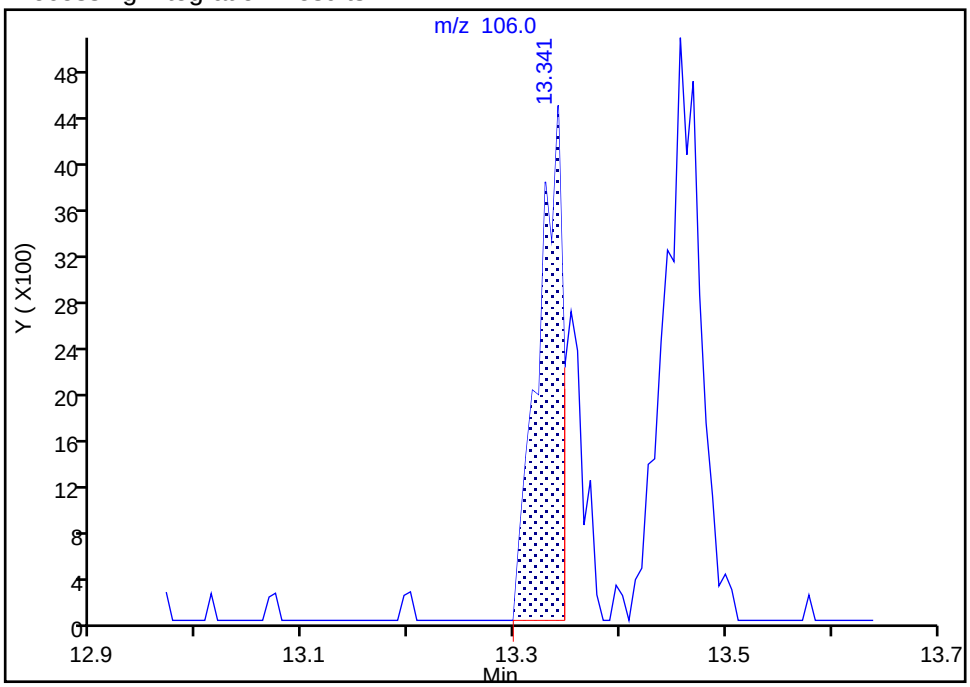
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

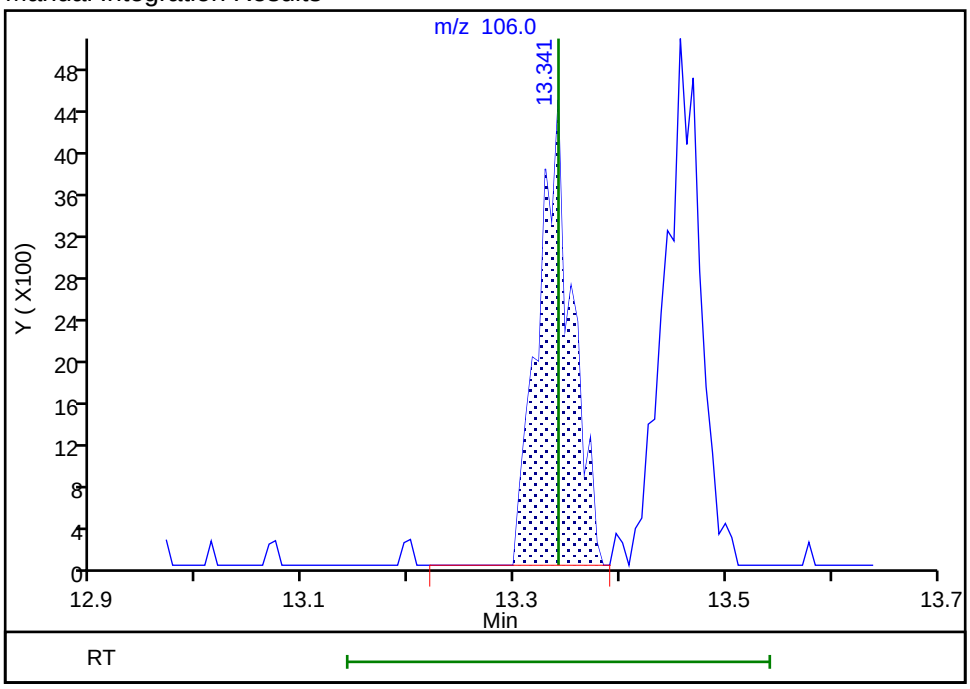
Processing Integration Results

RT: 13.34
Area: 7226
Amount: 13.122935
Amount Units: ng



Manual Integration Results

RT: 13.34
Area: 9877
Amount: 5.348616
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

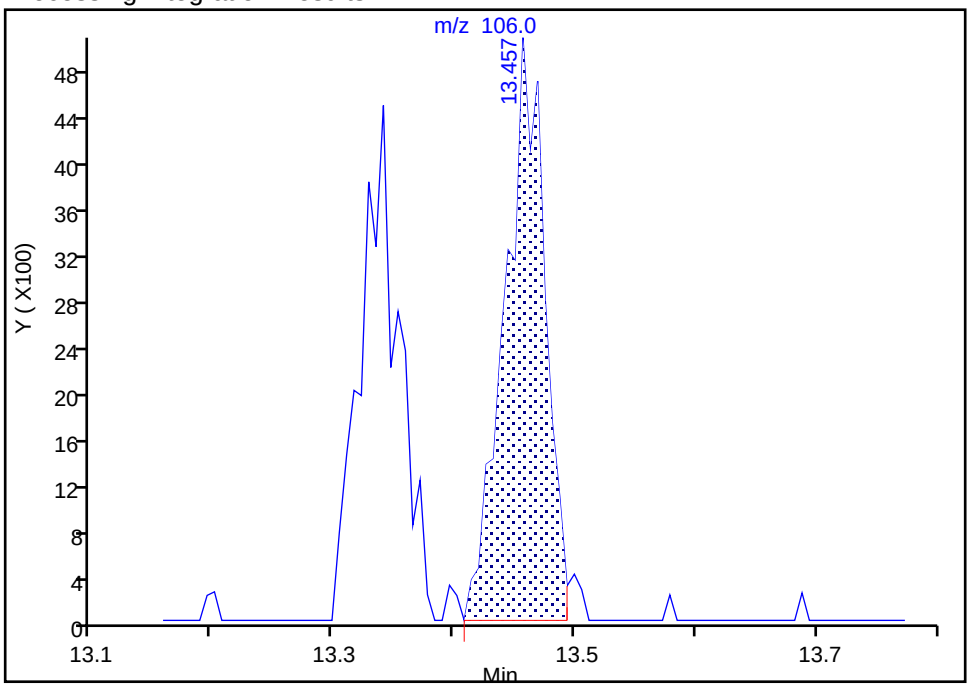
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

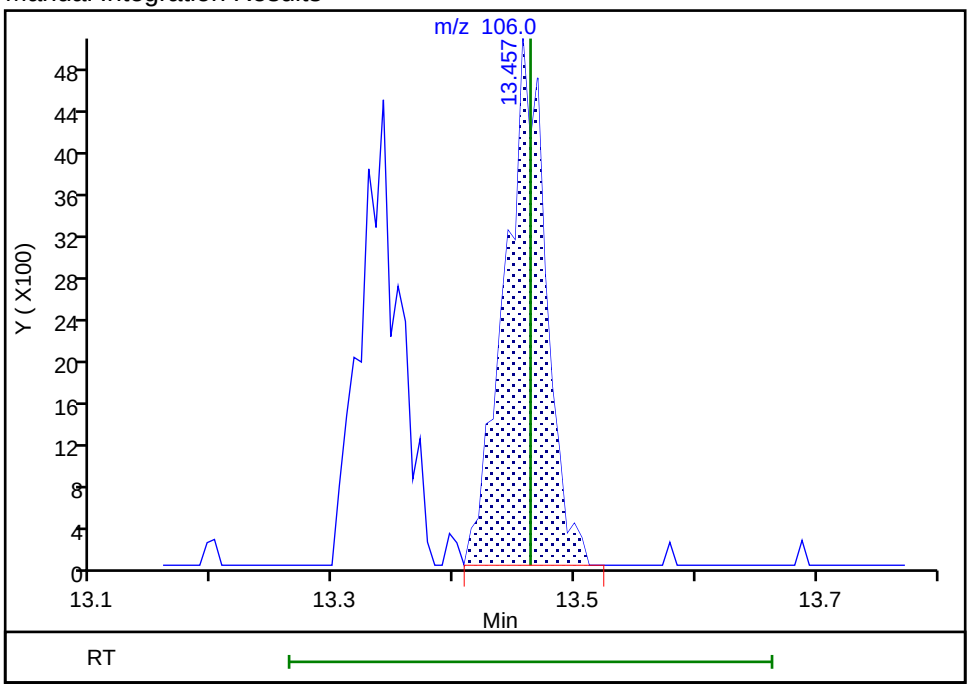
Processing Integration Results

RT: 13.46
Area: 11646
Amount: 16.362288
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 11890
Amount: 5.887911
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

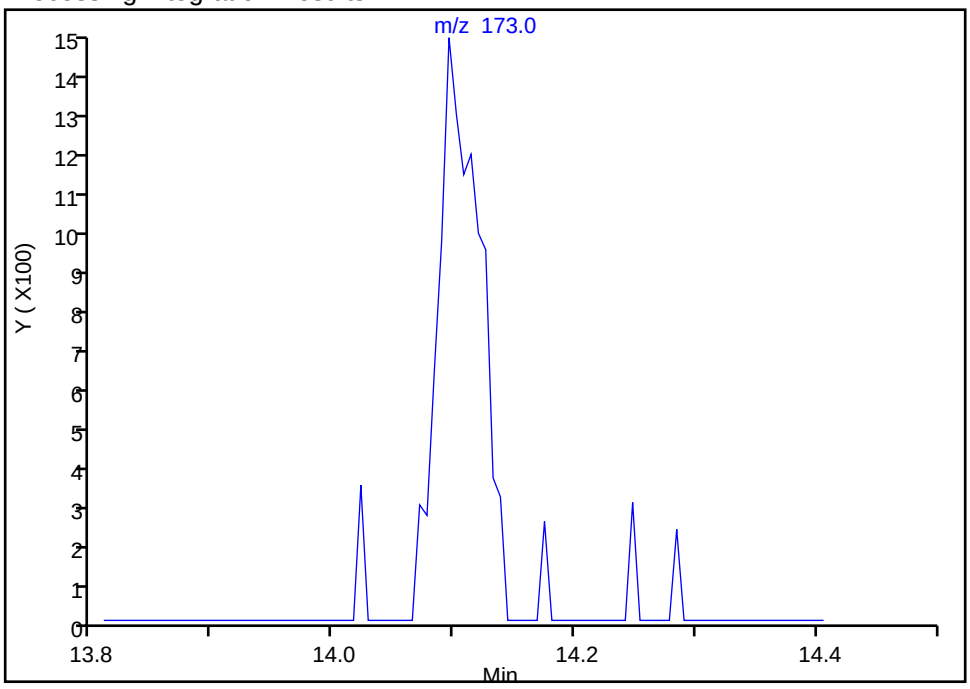
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Bromoform, CAS: 75-25-2

Signal: 1

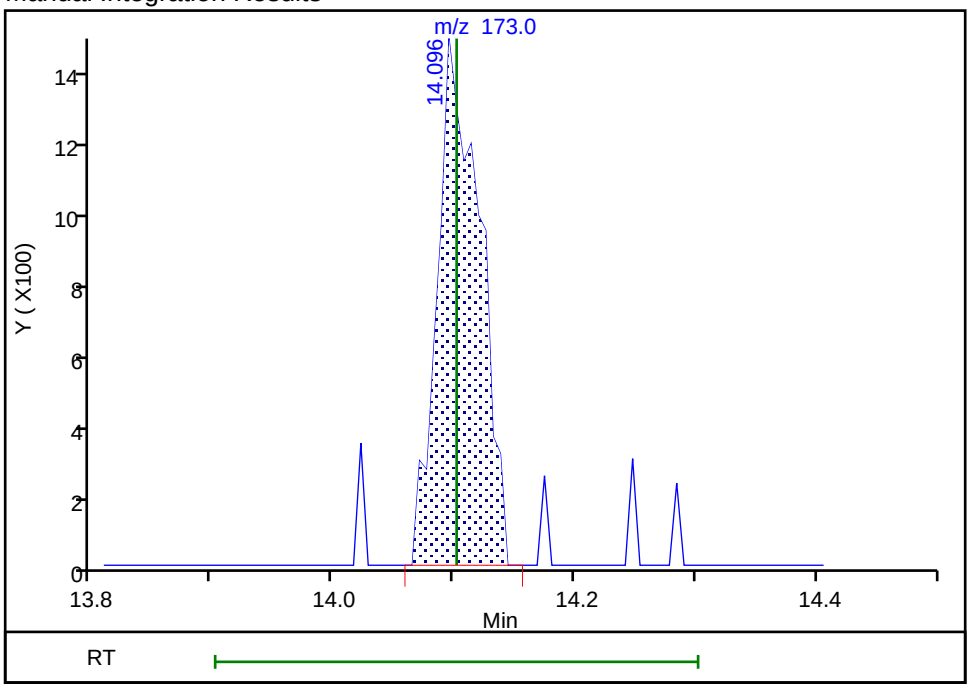
Not Detected
Expected RT: 14.10

Processing Integration Results



Manual Integration Results

RT: 14.10
Area: 3513
Amount: 5.305106
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

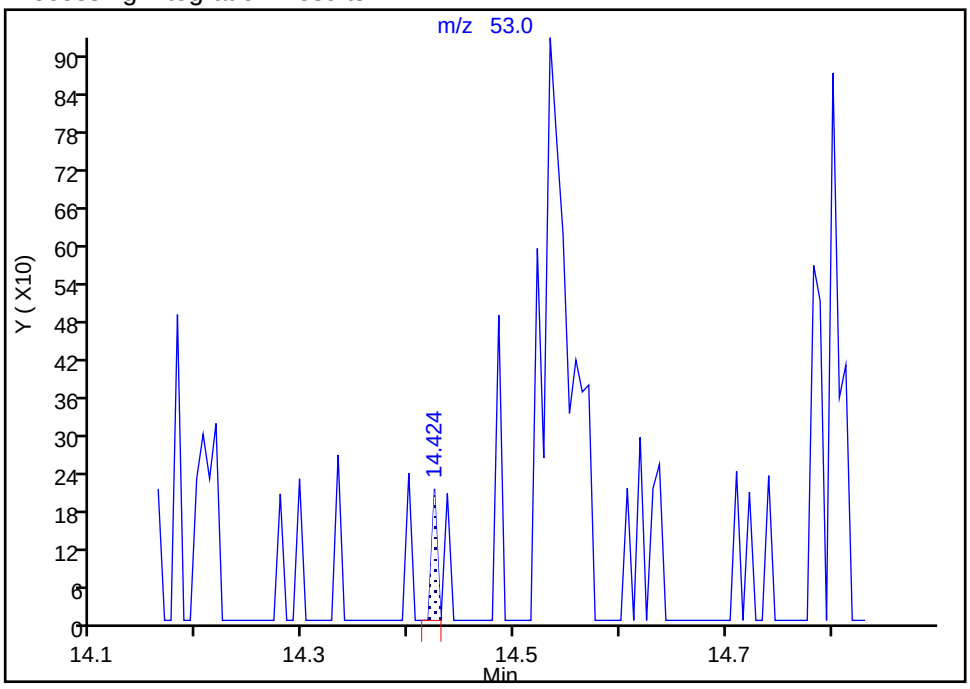
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

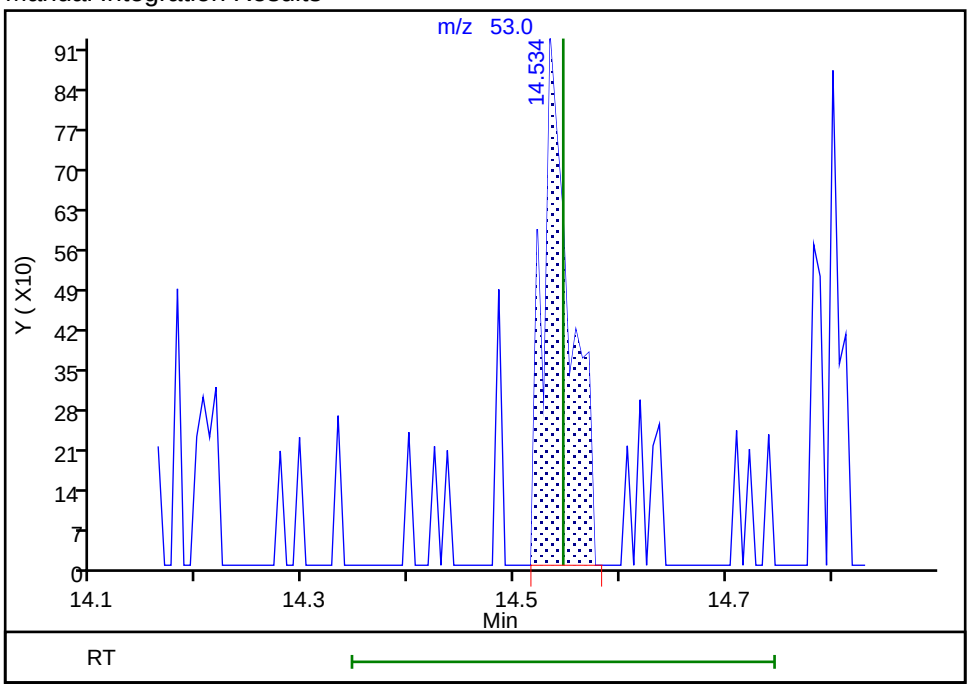
Processing Integration Results

RT: 14.42
Area: 76
Amount: 12.901340
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 1691
Amount: 5.447249
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:51

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

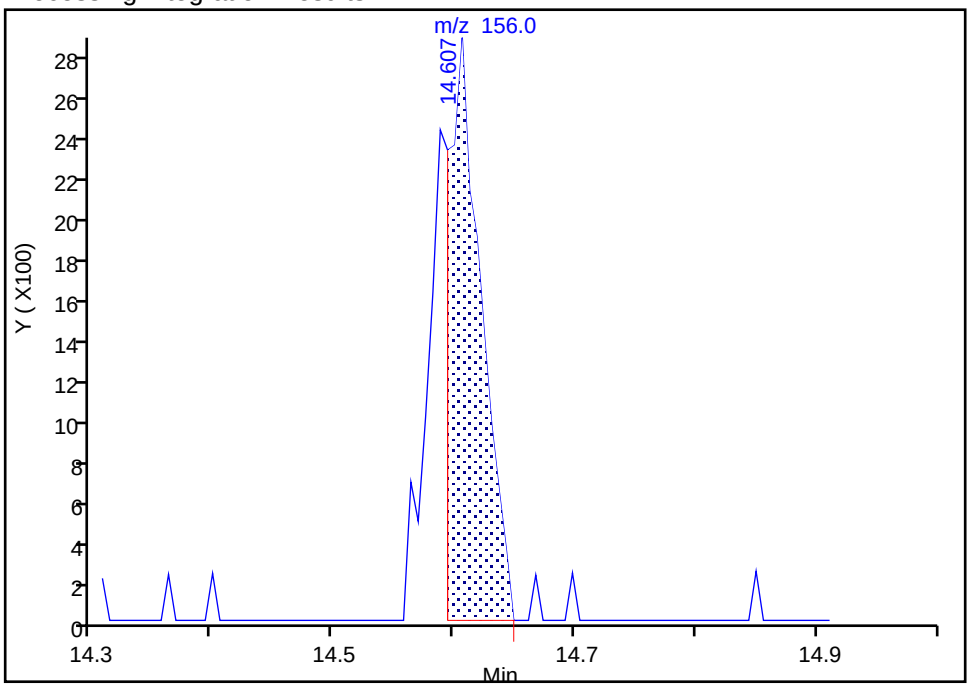
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 Bromobenzene, CAS: 108-86-1

Signal: 1

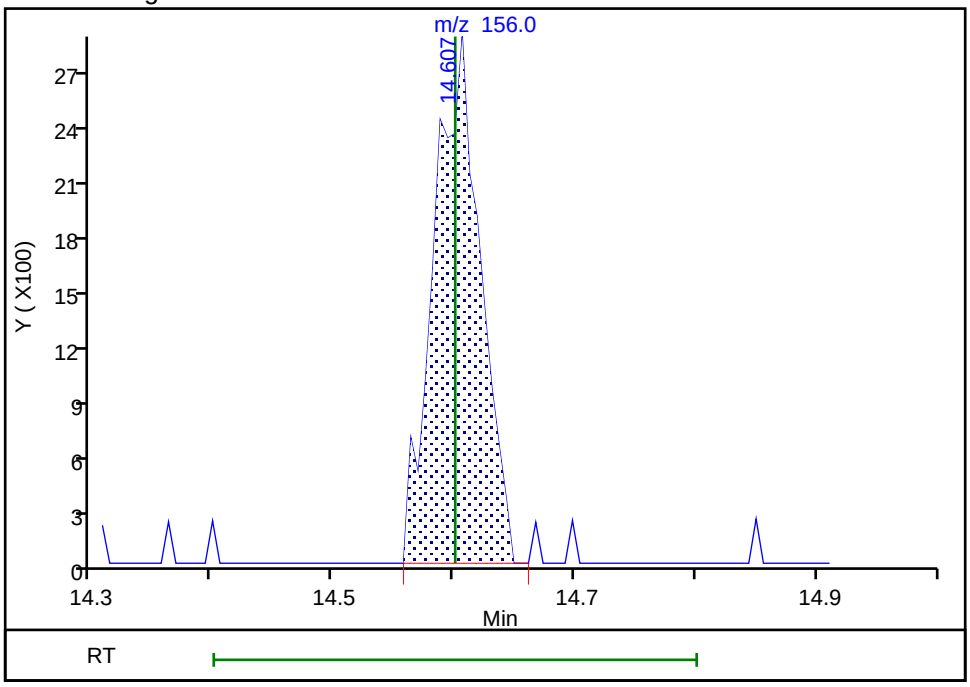
Processing Integration Results

RT: 14.61
Area: 5310
Amount: 0.364440
Amount Units: ng



Manual Integration Results

RT: 14.61
Area: 7521
Amount: 4.575572
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

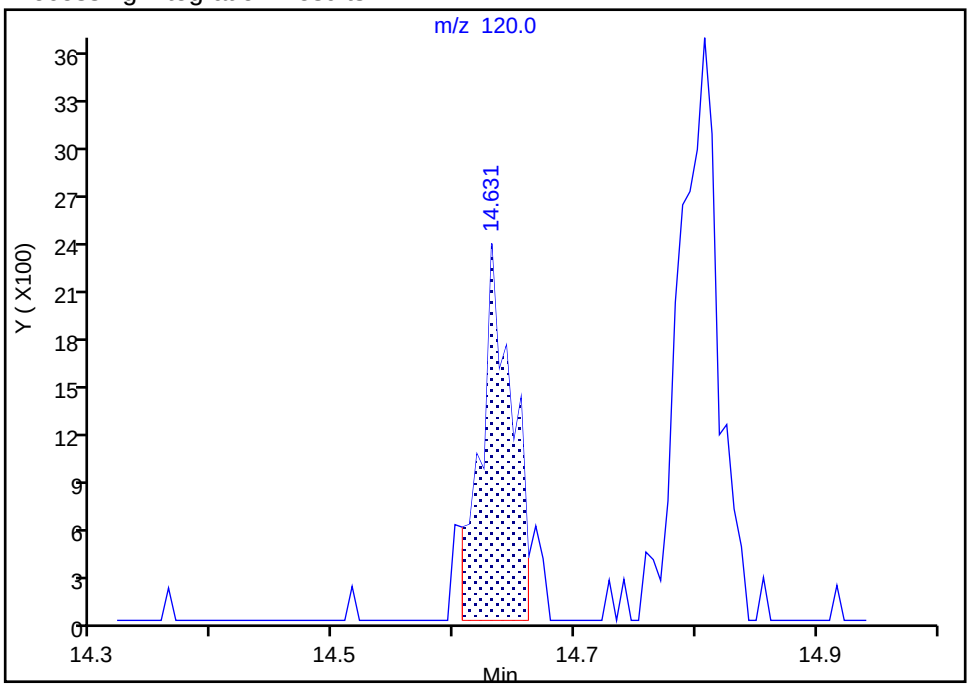
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

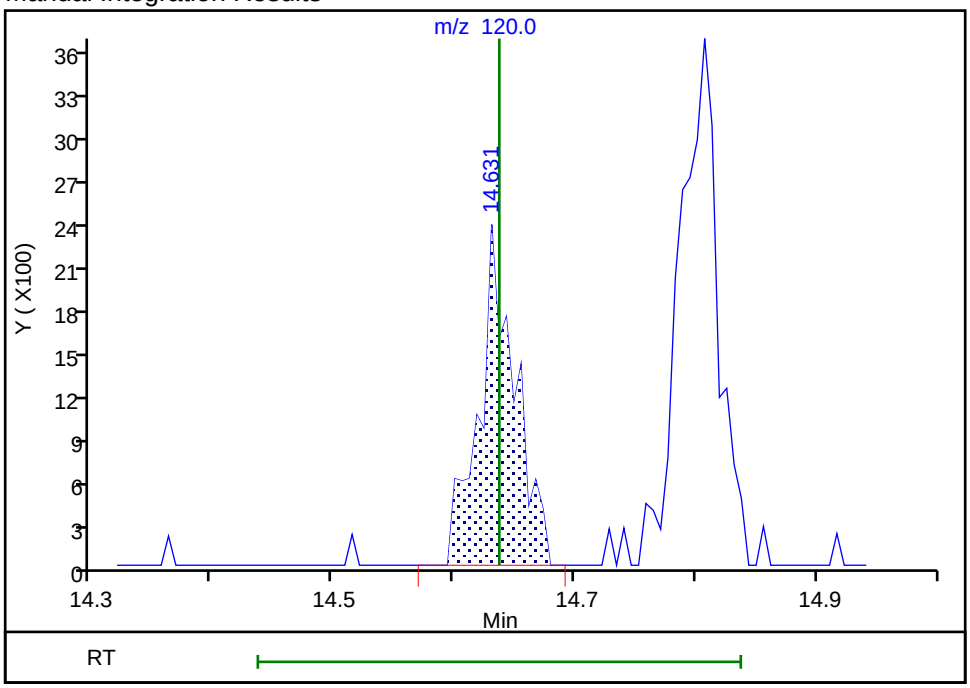
Processing Integration Results

RT: 14.63
Area: 4231
Amount: 3.443278
Amount Units: ng



Manual Integration Results

RT: 14.63
Area: 4800
Amount: 5.018340
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

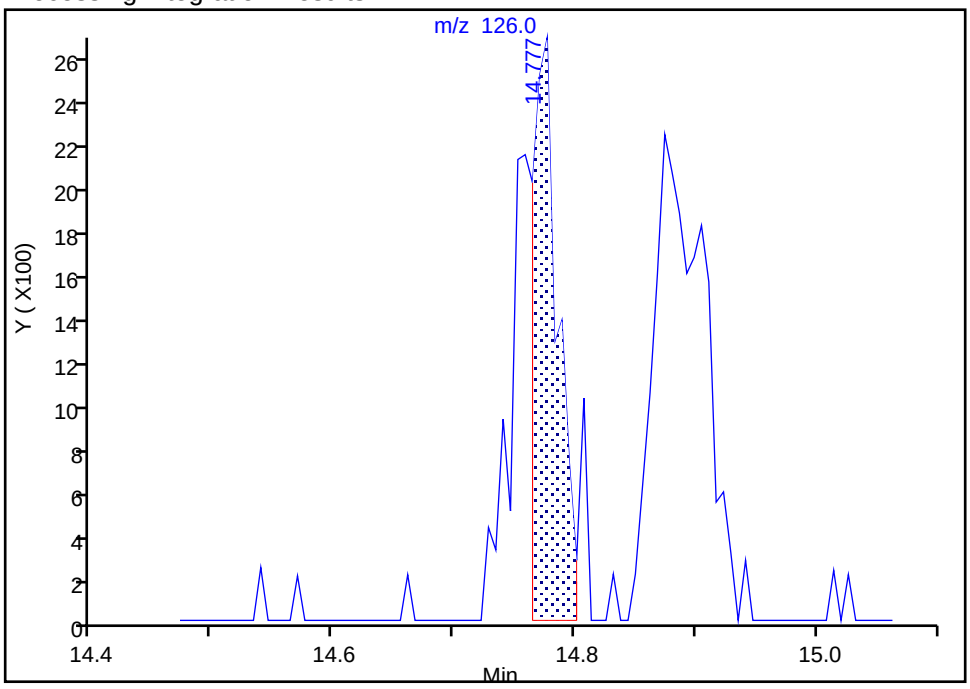
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

100 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

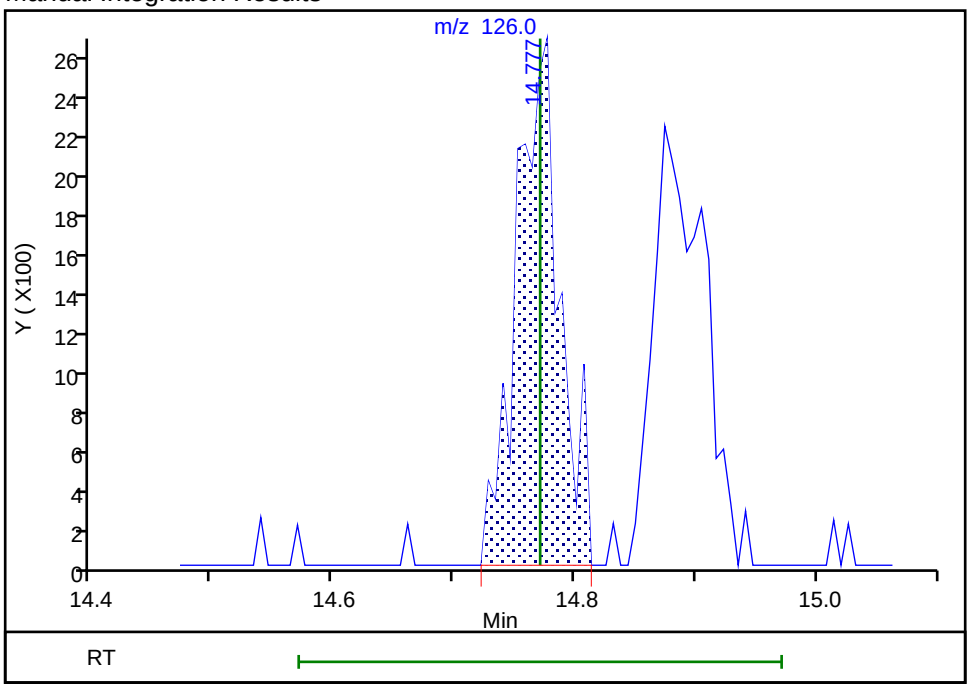
Processing Integration Results

RT: 14.78
Area: 3890
Amount: 0.269816
Amount Units: ng



Manual Integration Results

RT: 14.78
Area: 6566
Amount: 4.091213
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

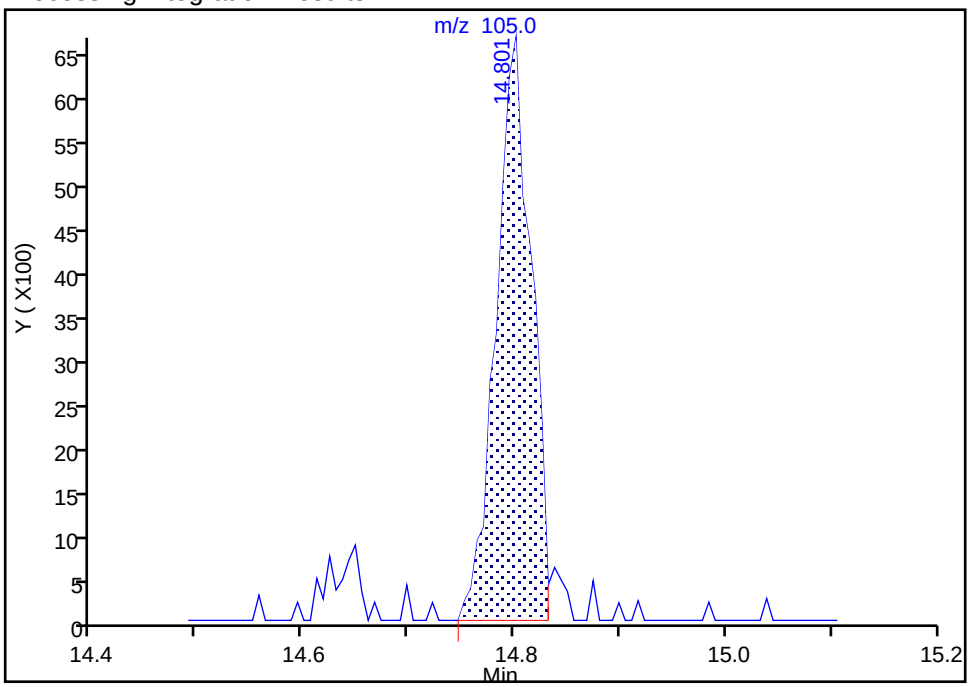
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

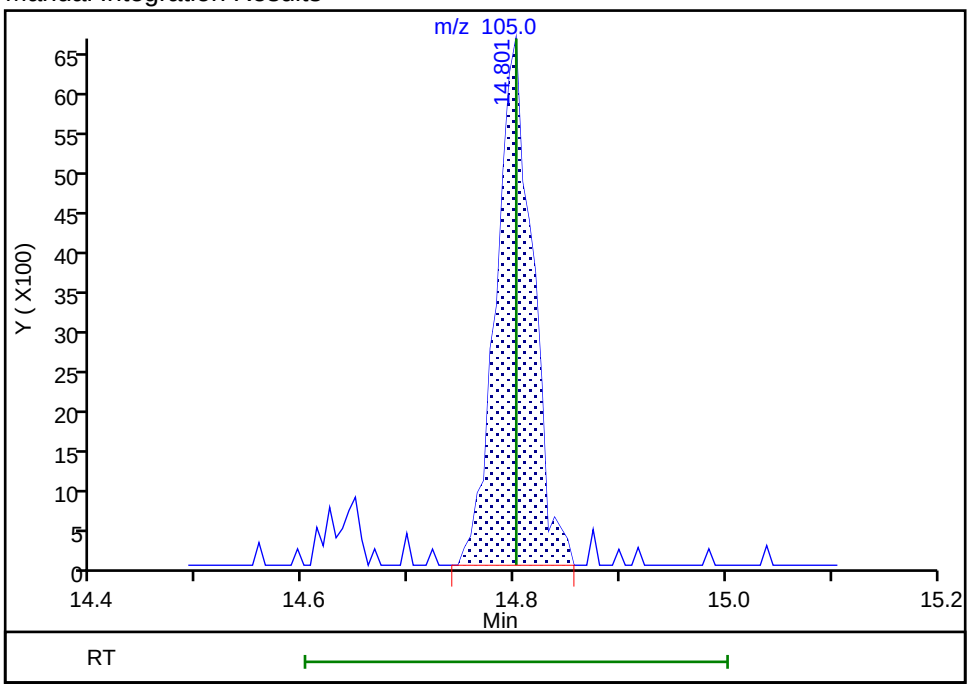
Processing Integration Results

RT: 14.80
Area: 15410
Amount: 11.879606
Amount Units: ng



Manual Integration Results

RT: 14.80
Area: 15922
Amount: 5.119347
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

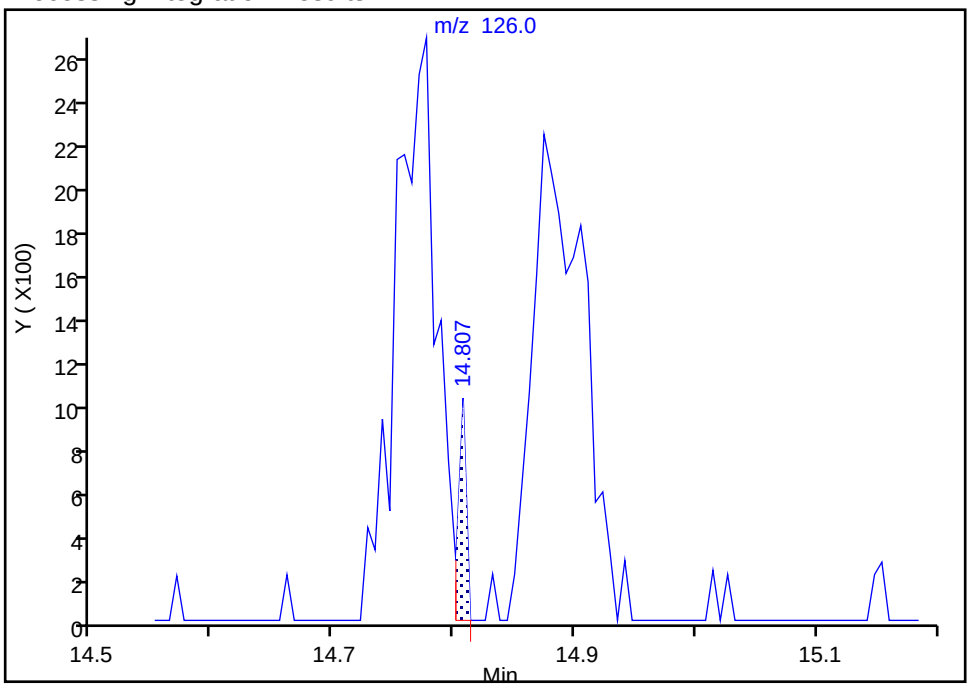
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

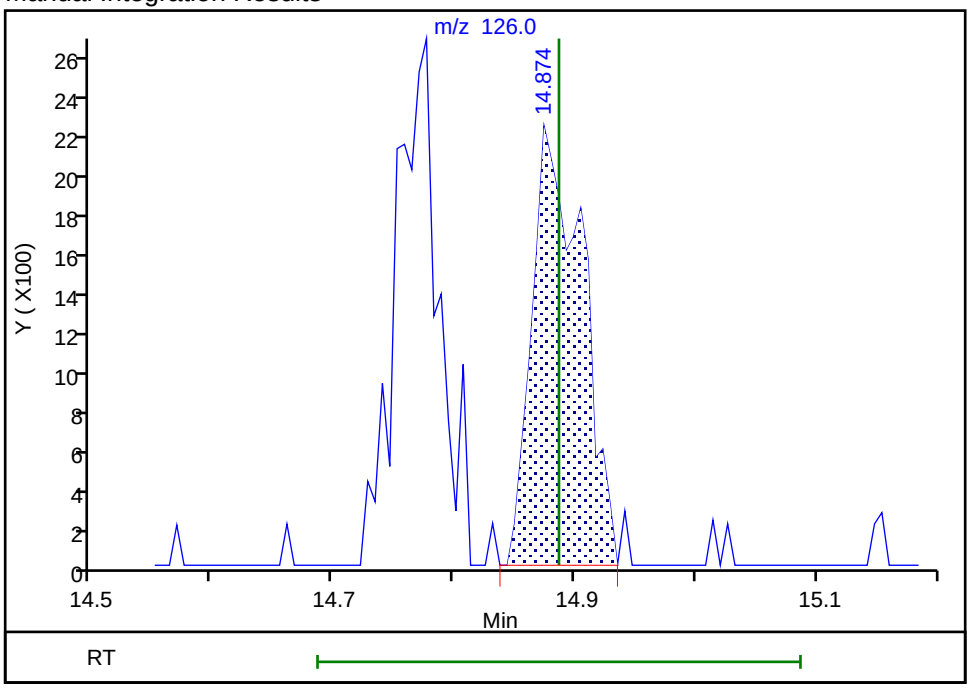
Processing Integration Results

RT: 14.81
Area: 466
Amount: 0.031349
Amount Units: ng



Manual Integration Results

RT: 14.87
Area: 6354
Amount: 3.862051
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

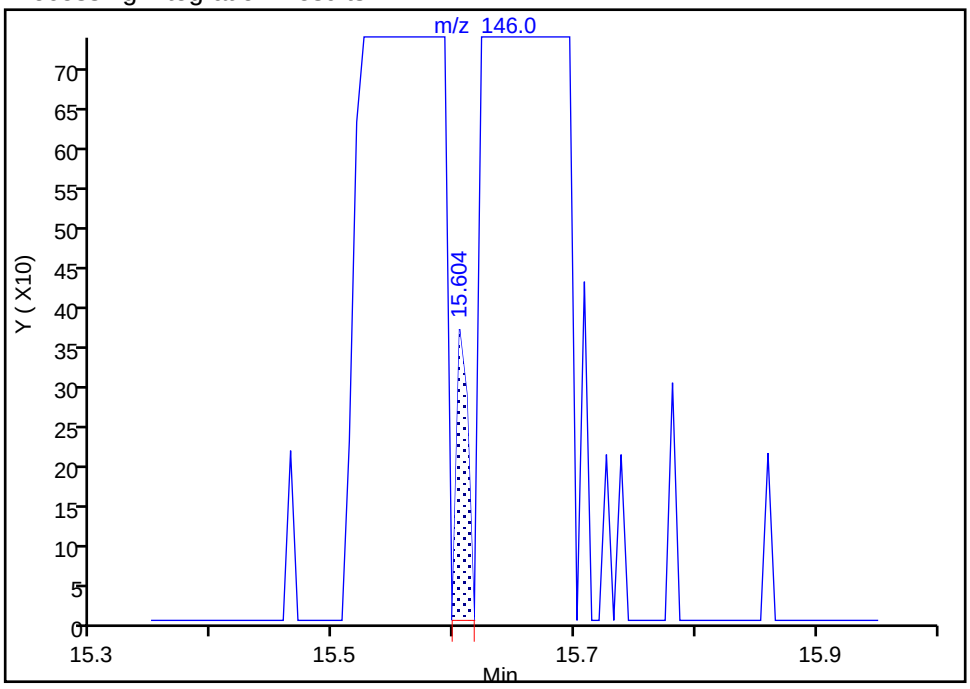
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

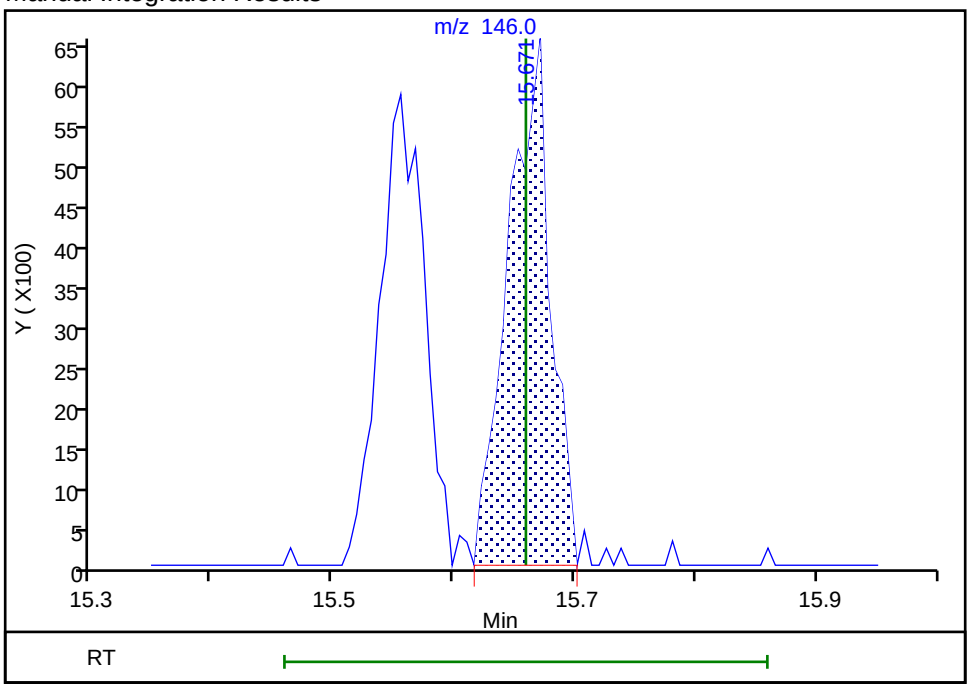
Processing Integration Results

RT: 15.60
Area: 239
Amount: 0.009059
Amount Units: ng



Manual Integration Results

RT: 15.67
Area: 15882
Amount: 5.232717
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

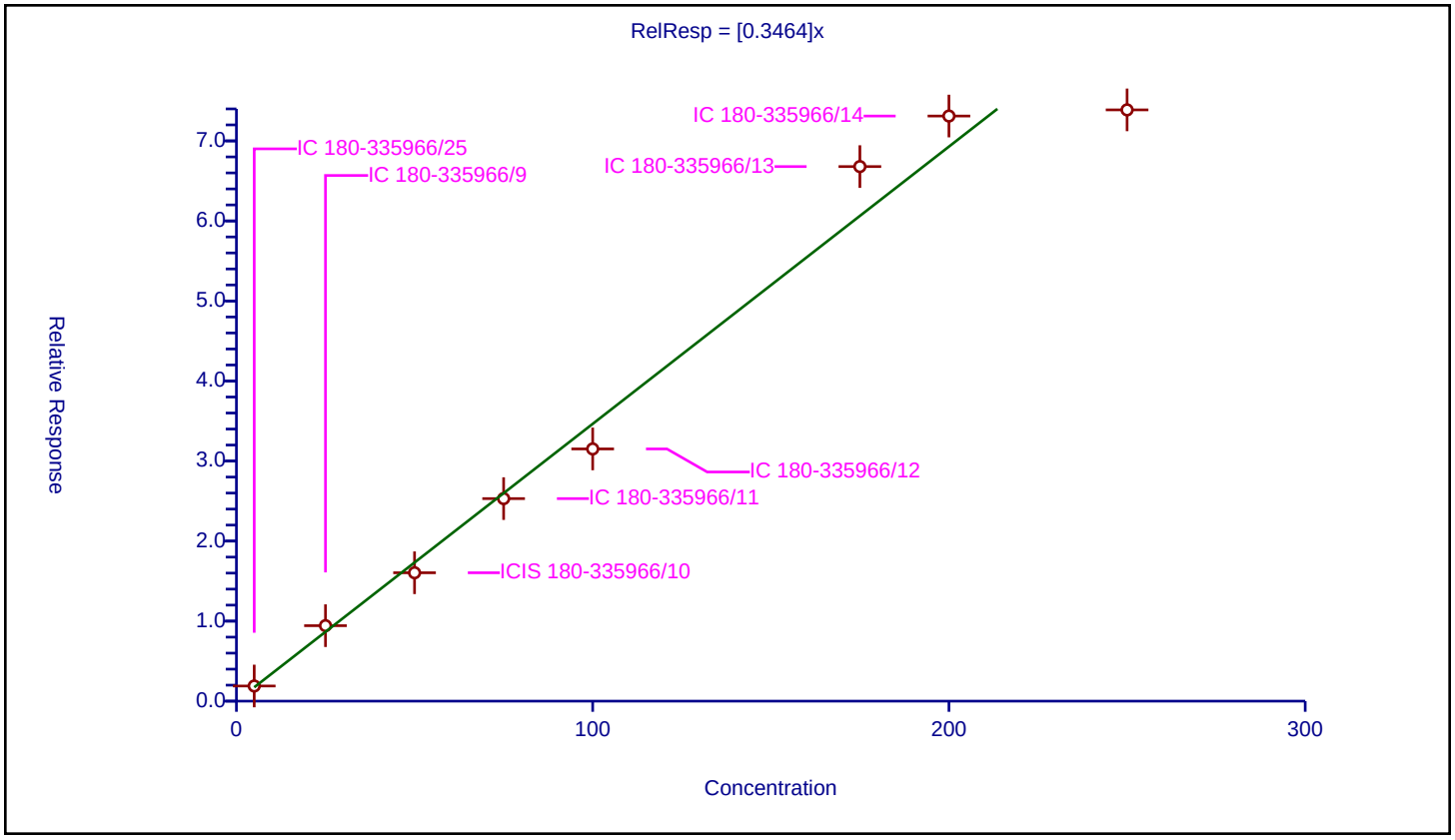
Curve Coefficients

Intercept:	0
Slope:	0.3464

Error Coefficients

Standard Error:	586000
Relative Standard Error:	9.7
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.891809	50.0	399089.0	0.378362	Y
2	IC 180-335966/9	25.0	9.428414	50.0	608098.0	0.377137	Y
3	ICIS 180-335966/10	50.0	16.040518	50.0	659614.0	0.32081	Y
4	IC 180-335966/11	75.0	25.30591	50.0	633929.0	0.337412	Y
5	IC 180-335966/12	100.0	31.512314	50.0	603499.0	0.315123	Y
6	IC 180-335966/13	175.0	66.792989	50.0	557831.0	0.381674	Y
7	IC 180-335966/14	200.0	73.10849	50.0	596785.0	0.365542	Y
8	IC 180-335966/15	250.0	73.875347	50.0	597851.0	0.295501	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

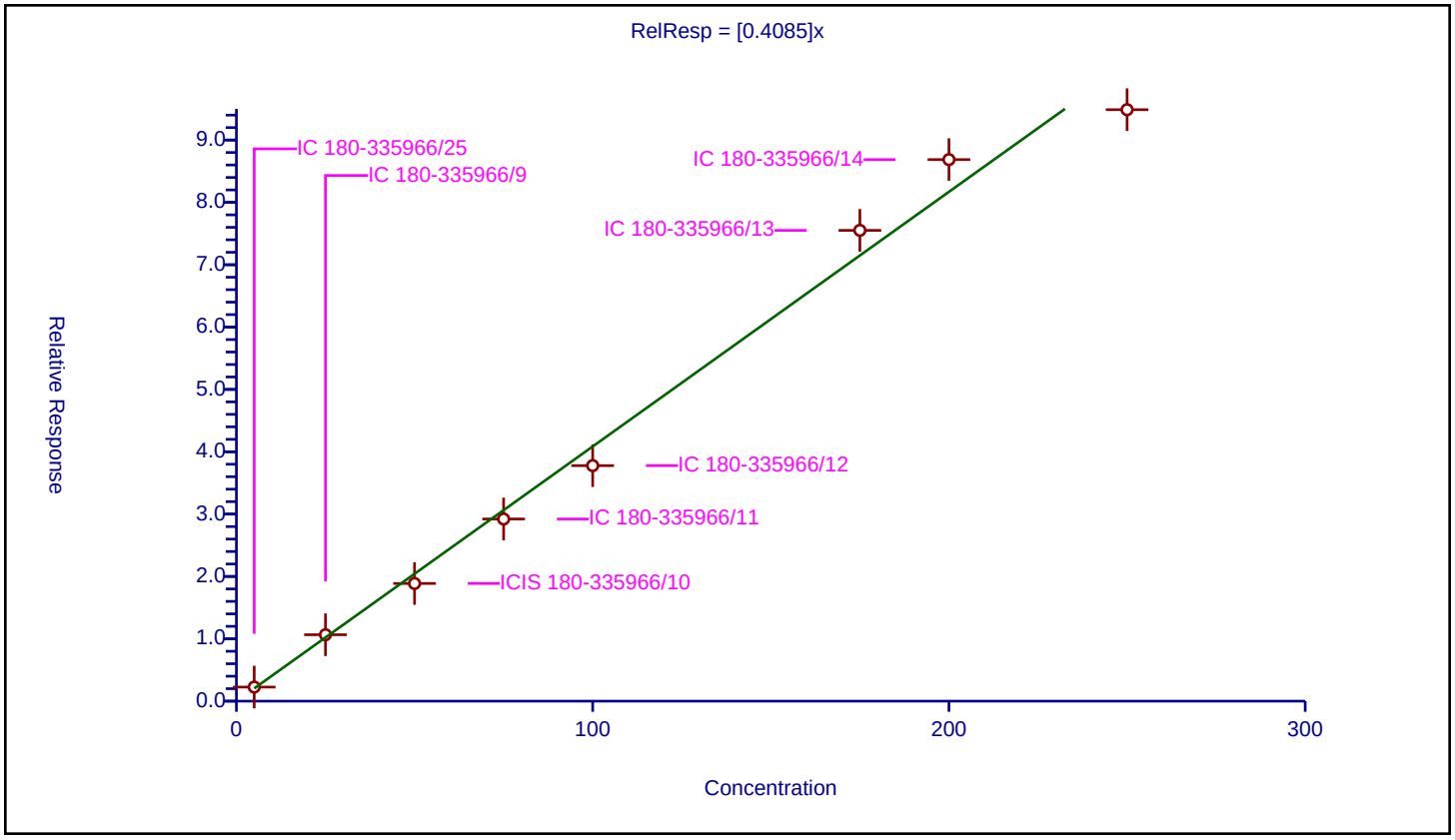
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	707000
Relative Standard Error:	7.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.257767	50.0	399089.0	0.451553	Y
2	IC 180-335966/9	25.0	10.654533	50.0	608098.0	0.426181	Y
3	ICIS 180-335966/10	50.0	18.872022	50.0	659614.0	0.37744	Y
4	IC 180-335966/11	75.0	29.219045	50.0	633929.0	0.389587	Y
5	IC 180-335966/12	100.0	37.778439	50.0	603499.0	0.377784	Y
6	IC 180-335966/13	175.0	75.515524	50.0	557831.0	0.431517	Y
7	IC 180-335966/14	200.0	86.864281	50.0	596785.0	0.434321	Y
8	IC 180-335966/15	250.0	94.870294	50.0	597851.0	0.379481	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

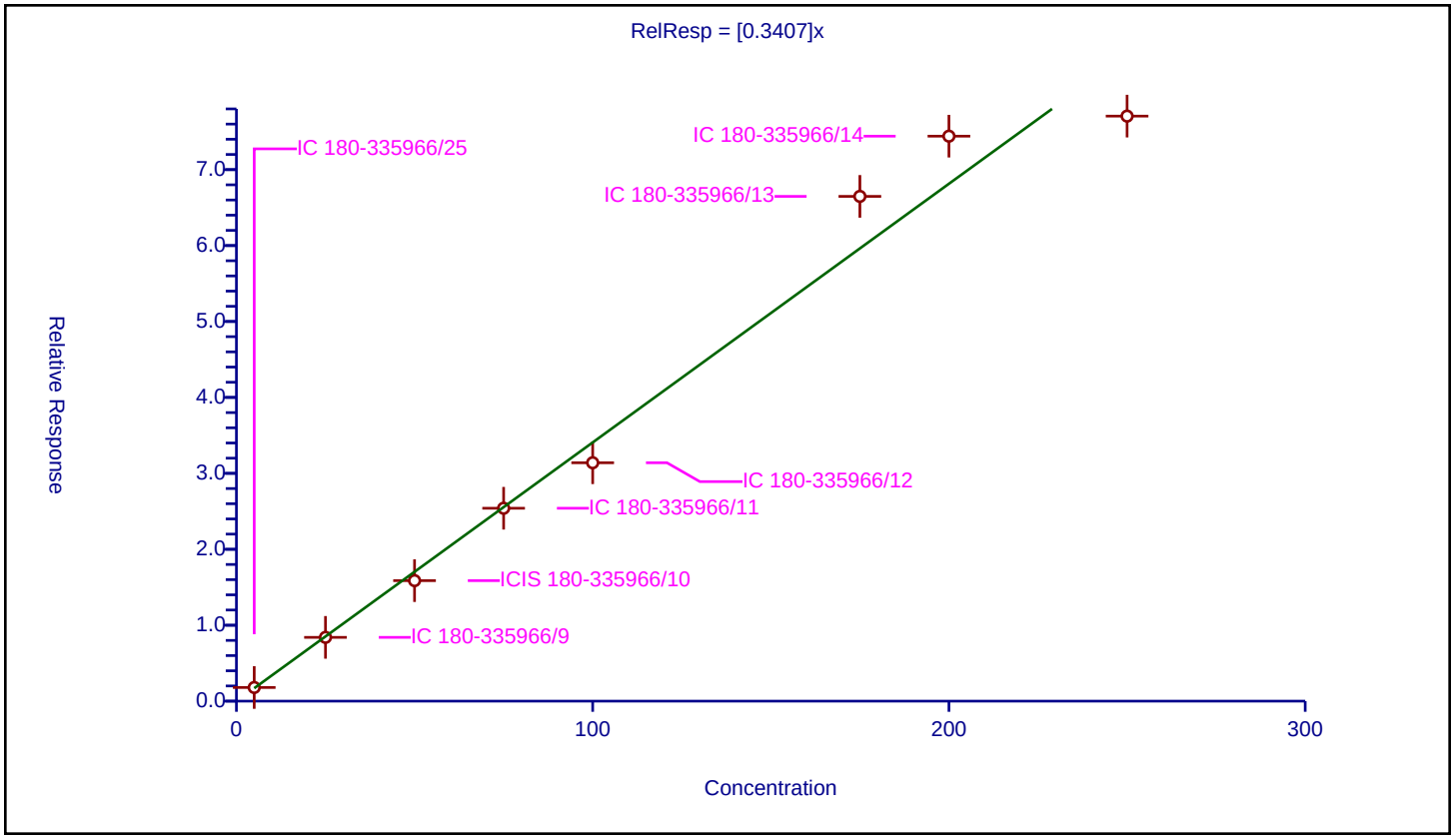
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Standard Error:	596000
Relative Standard Error:	8.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.796842	50.0	399089.0	0.359368	Y
2	IC 180-335966/9	25.0	8.398235	50.0	608098.0	0.335929	Y
3	ICIS 180-335966/10	50.0	15.871404	50.0	659614.0	0.317428	Y
4	IC 180-335966/11	75.0	25.406236	50.0	633929.0	0.33875	Y
5	IC 180-335966/12	100.0	31.397567	50.0	603499.0	0.313976	Y
6	IC 180-335966/13	175.0	66.478019	50.0	557831.0	0.379874	Y
7	IC 180-335966/14	200.0	74.406612	50.0	596785.0	0.372033	Y
8	IC 180-335966/15	250.0	77.049884	50.0	597851.0	0.3082	Y



Calibration / Butadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

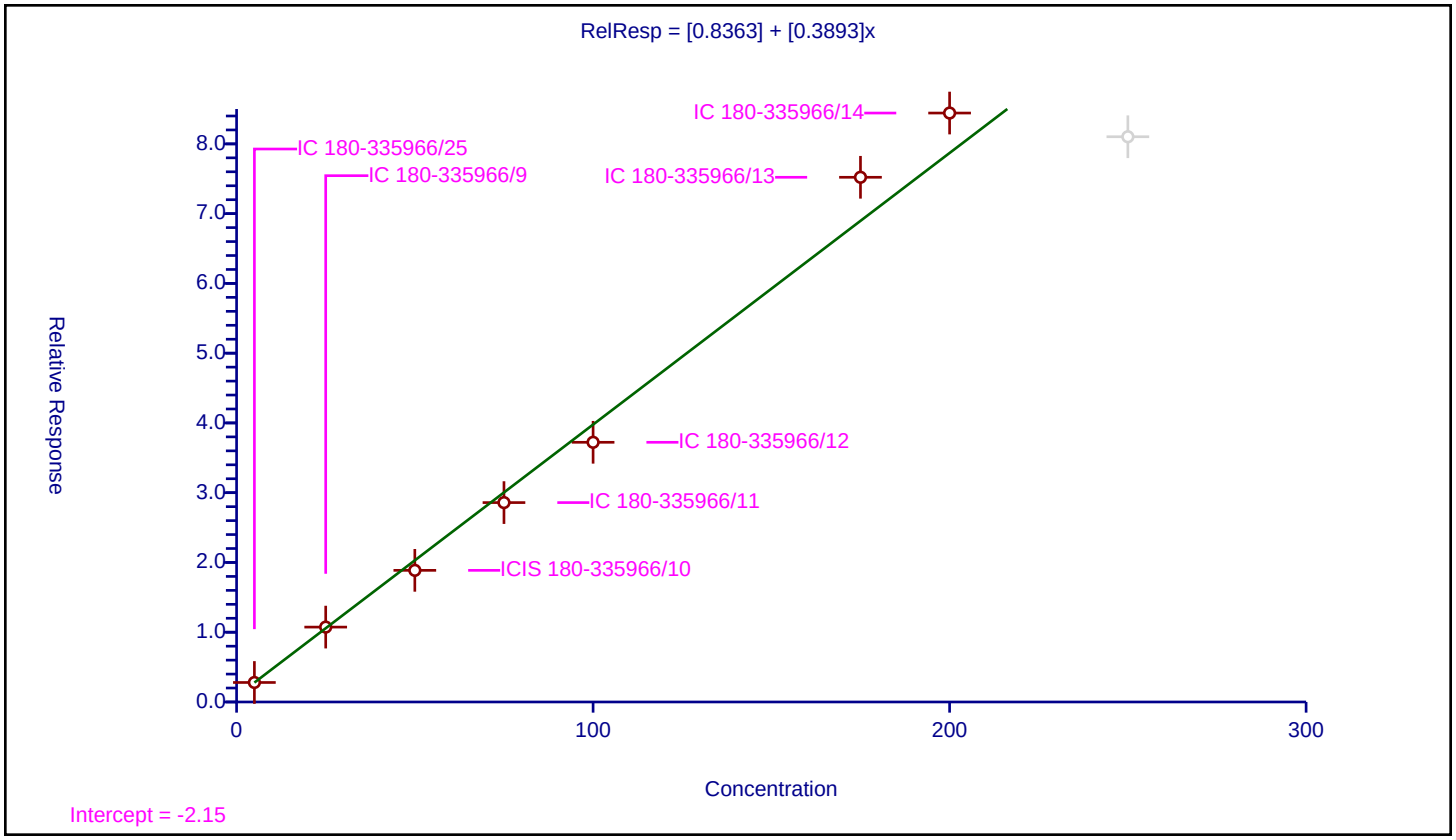
Curve Coefficients

Intercept:	0.8363
Slope:	0.3893

Error Coefficients

Standard Error:	653000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.794615	50.0	399089.0	0.558923	Y
2	IC 180-335966/9	25.0	10.733796	50.0	608098.0	0.429352	Y
3	ICIS 180-335966/10	50.0	18.871188	50.0	659614.0	0.377424	Y
4	IC 180-335966/11	75.0	28.584747	50.0	633929.0	0.38113	Y
5	IC 180-335966/12	100.0	37.226077	50.0	603499.0	0.372261	Y
6	IC 180-335966/13	175.0	75.215791	50.0	557831.0	0.429805	Y
7	IC 180-335966/14	200.0	84.424709	50.0	596785.0	0.422124	Y
8	IC 180-335966/15	250.0	81.023449	50.0	597851.0	0.324094	N



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

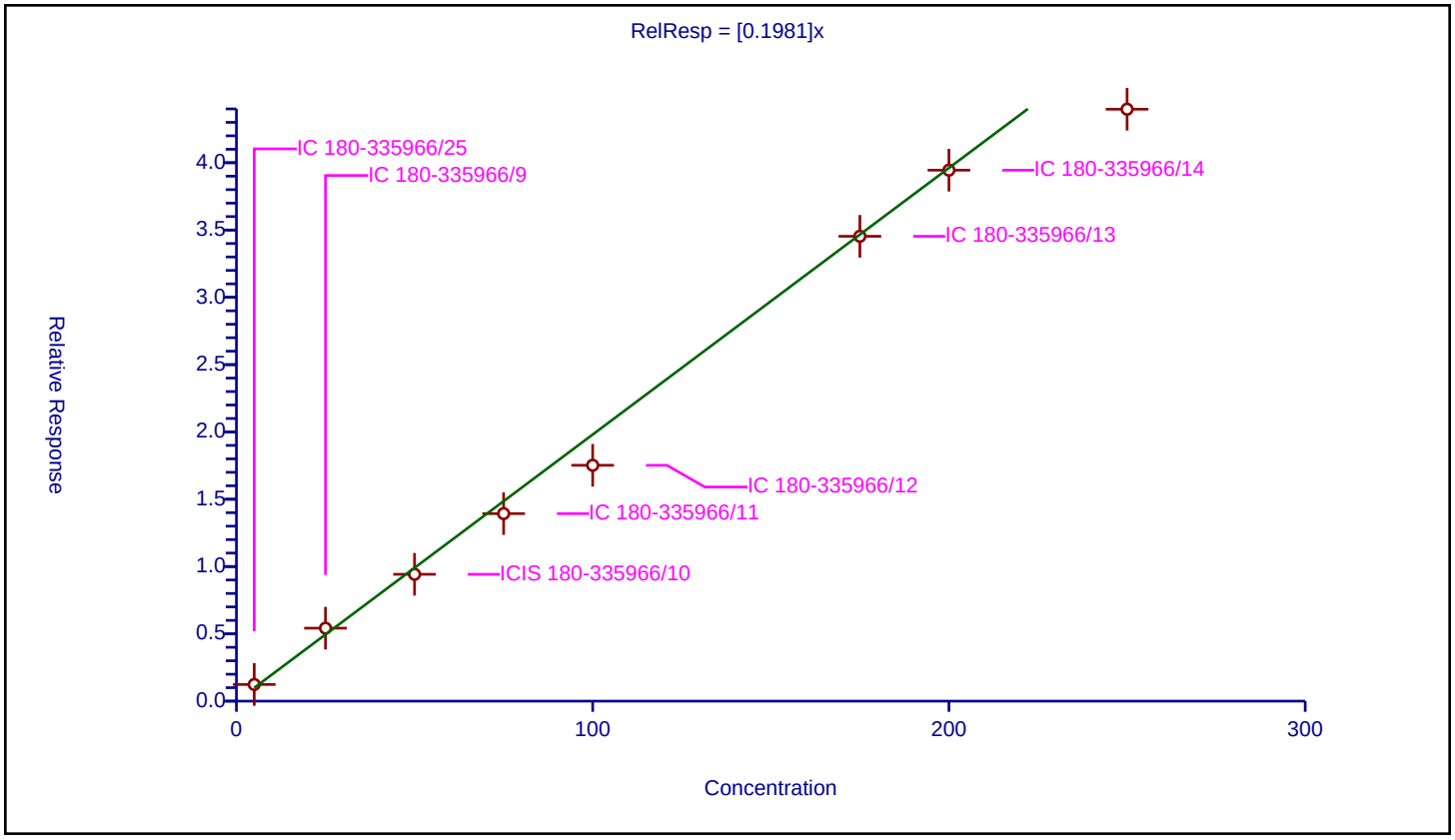
Curve Coefficients

Intercept:	0
Slope:	0.1981

Error Coefficients

Standard Error:	326000
Relative Standard Error:	12.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.238446	50.0	399089.0	0.247689	Y
2	IC 180-335966/9	25.0	5.421577	50.0	608098.0	0.216863	Y
3	ICIS 180-335966/10	50.0	9.423314	50.0	659614.0	0.188466	Y
4	IC 180-335966/11	75.0	13.930582	50.0	633929.0	0.185741	Y
5	IC 180-335966/12	100.0	17.523227	50.0	603499.0	0.175232	Y
6	IC 180-335966/13	175.0	34.536446	50.0	557831.0	0.197351	Y
7	IC 180-335966/14	200.0	39.447372	50.0	596785.0	0.197237	Y
8	IC 180-335966/15	250.0	43.976927	50.0	597851.0	0.175908	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

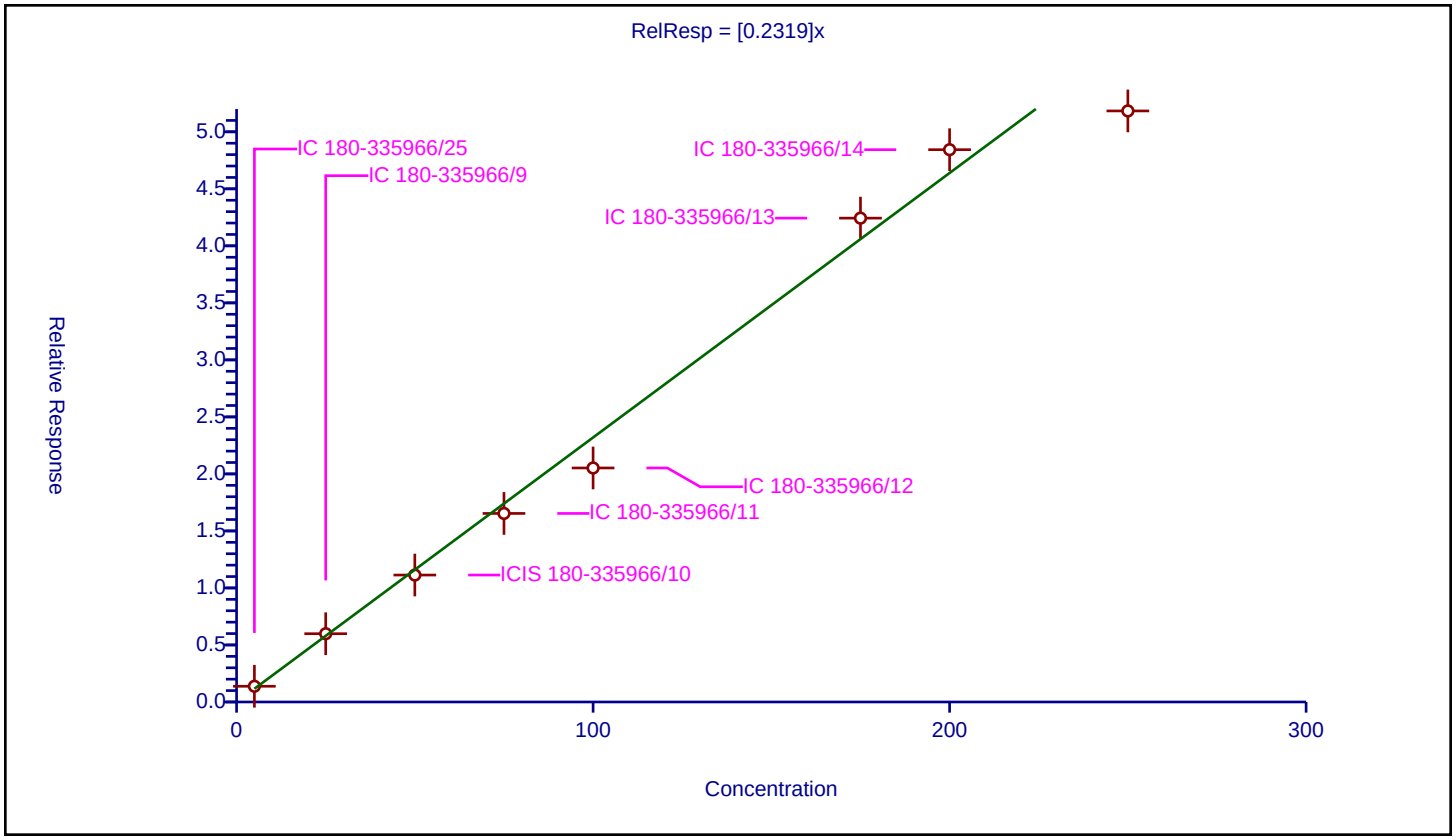
Curve Coefficients

Intercept:	0
Slope:	0.2319

Error Coefficients

Standard Error:	392000
Relative Standard Error:	10.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.379016	50.0	399089.0	0.275803	Y
2	IC 180-335966/9	25.0	5.988015	50.0	608098.0	0.239521	Y
3	ICIS 180-335966/10	50.0	11.132344	50.0	659614.0	0.222647	Y
4	IC 180-335966/11	75.0	16.534738	50.0	633929.0	0.220463	Y
5	IC 180-335966/12	100.0	20.520664	50.0	603499.0	0.205207	Y
6	IC 180-335966/13	175.0	42.430145	50.0	557831.0	0.242458	Y
7	IC 180-335966/14	200.0	48.432853	50.0	596785.0	0.242164	Y
8	IC 180-335966/15	250.0	51.831895	50.0	597851.0	0.207328	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

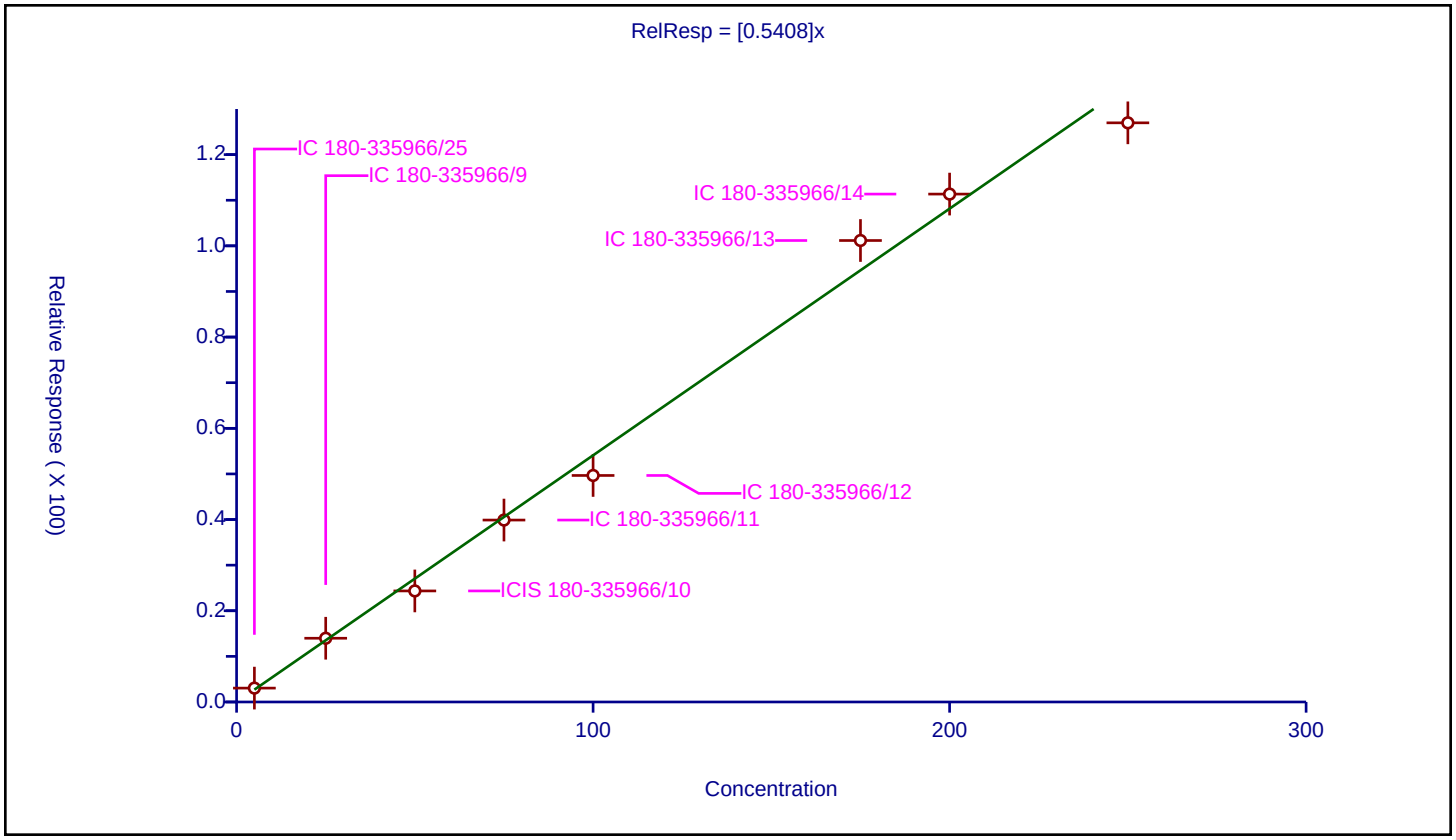
Curve Coefficients

Intercept:	0
Slope:	0.5408

Error Coefficients

Standard Error:	933000
Relative Standard Error:	7.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.044308	50.0	399089.0	0.608862	Y
2	IC 180-335966/9	25.0	13.976695	50.0	608098.0	0.559068	Y
3	ICIS 180-335966/10	50.0	24.348179	50.0	659614.0	0.486964	Y
4	IC 180-335966/11	75.0	39.887432	50.0	633929.0	0.531832	Y
5	IC 180-335966/12	100.0	49.661226	50.0	603499.0	0.496612	Y
6	IC 180-335966/13	175.0	101.172398	50.0	557831.0	0.578128	Y
7	IC 180-335966/14	200.0	111.348894	50.0	596785.0	0.556744	Y
8	IC 180-335966/15	250.0	126.968927	50.0	597851.0	0.507876	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

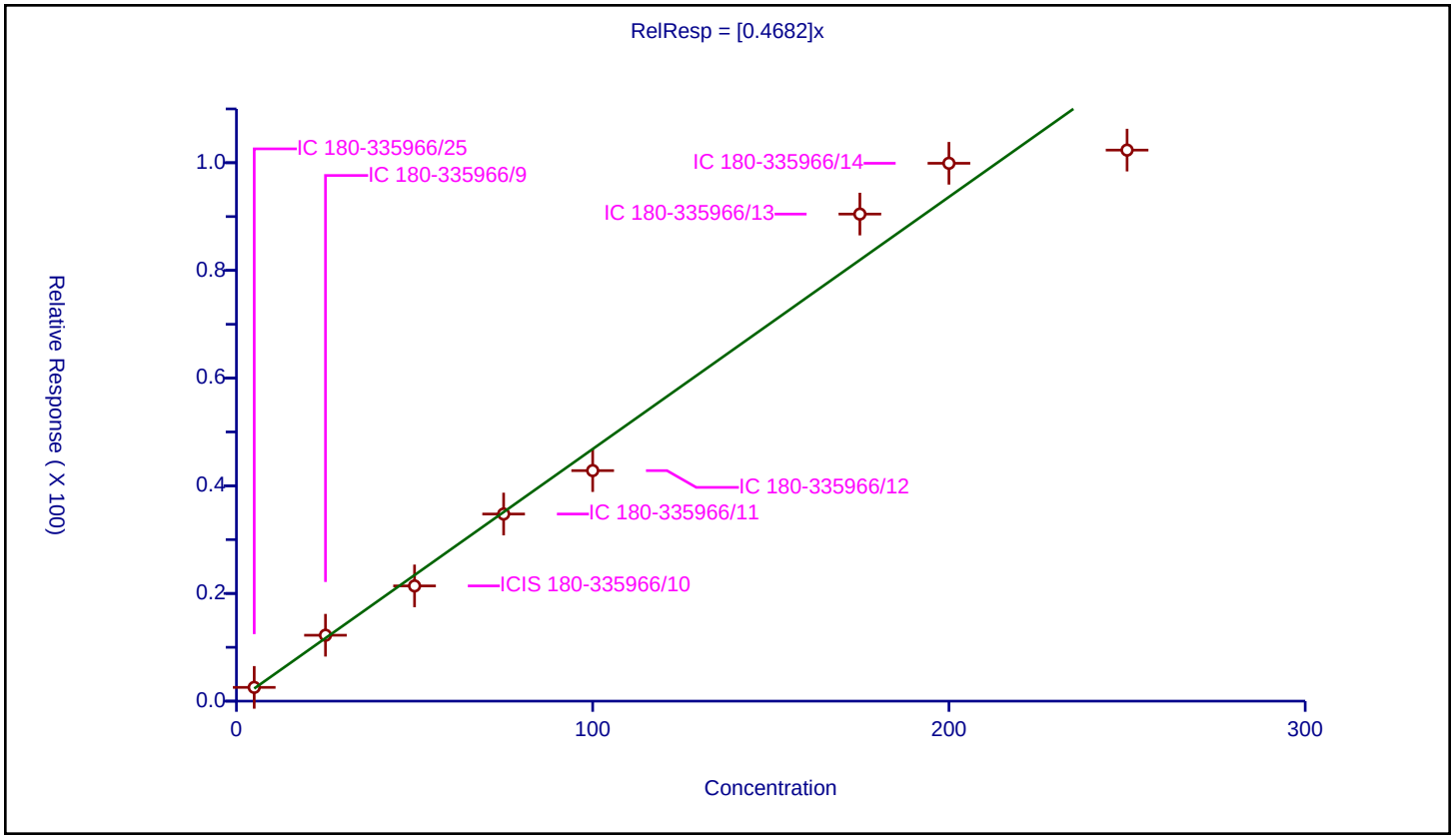
Curve Coefficients

Intercept:	0
Slope:	0.4682

Error Coefficients

Standard Error:	802000
Relative Standard Error:	9.0
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.553315	50.0	399089.0	0.510663	Y
2	IC 180-335966/9	25.0	12.241695	50.0	608098.0	0.489668	Y
3	ICIS 180-335966/10	50.0	21.400167	50.0	659614.0	0.428003	Y
4	IC 180-335966/11	75.0	34.754365	50.0	633929.0	0.463392	Y
5	IC 180-335966/12	100.0	42.819541	50.0	603499.0	0.428195	Y
6	IC 180-335966/13	175.0	90.464316	50.0	557831.0	0.516939	Y
7	IC 180-335966/14	200.0	99.899461	50.0	596785.0	0.499497	Y
8	IC 180-335966/15	250.0	102.349498	50.0	597851.0	0.409398	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

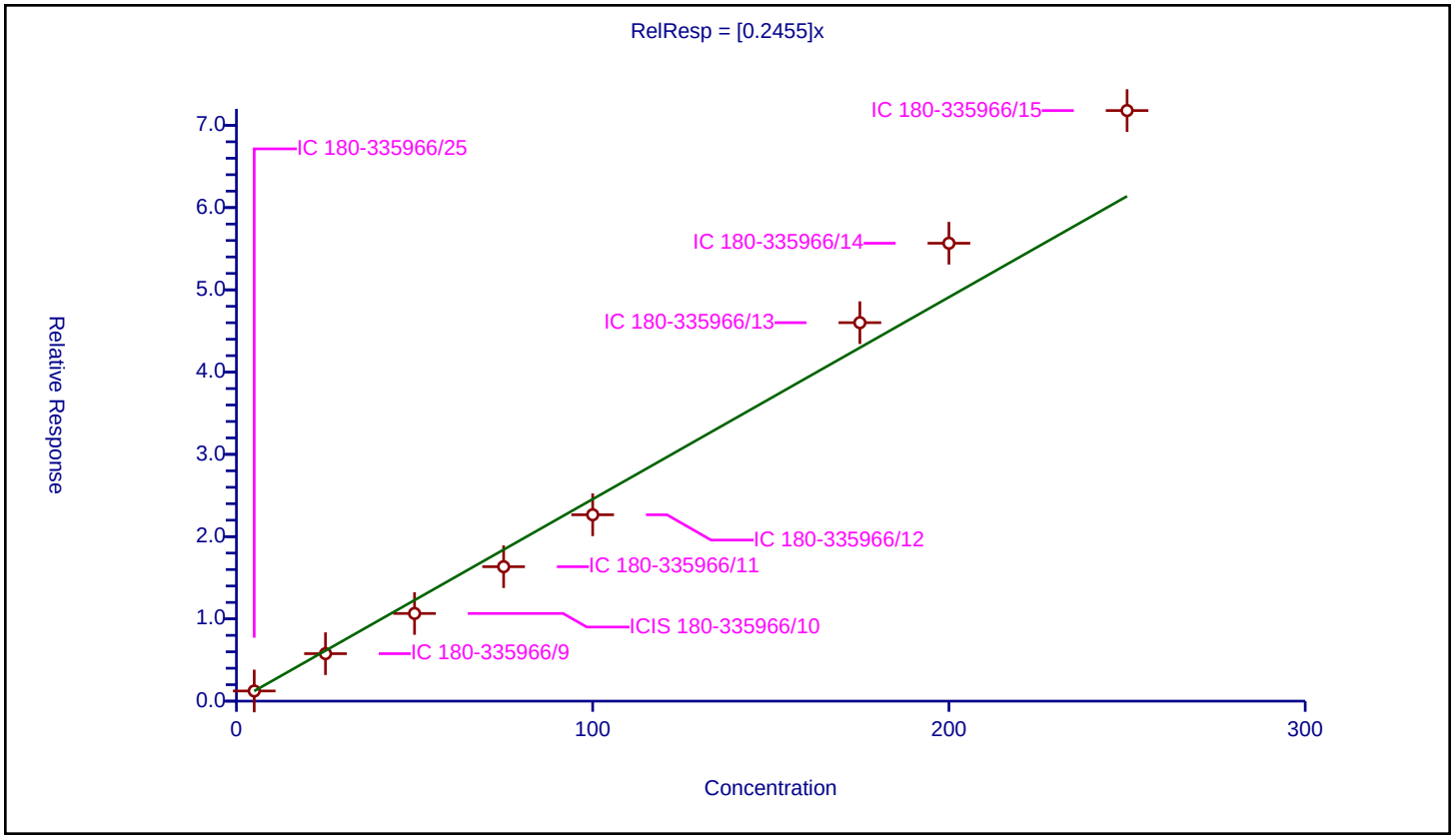
Curve Coefficients

Intercept:	0
Slope:	0.2455

Error Coefficients

Standard Error:	476000
Relative Standard Error:	11.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.236566	50.0	399089.0	0.247313	Y
2	IC 180-335966/9	25.0	5.771931	50.0	608098.0	0.230877	Y
3	ICIS 180-335966/10	50.0	10.658127	50.0	659614.0	0.213163	Y
4	IC 180-335966/11	75.0	16.34489	50.0	633929.0	0.217932	Y
5	IC 180-335966/12	100.0	22.656873	50.0	603499.0	0.226569	Y
6	IC 180-335966/13	175.0	46.012054	50.0	557831.0	0.262926	Y
7	IC 180-335966/14	200.0	55.669378	50.0	596785.0	0.278347	Y
8	IC 180-335966/15	250.0	71.800248	50.0	597851.0	0.287201	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

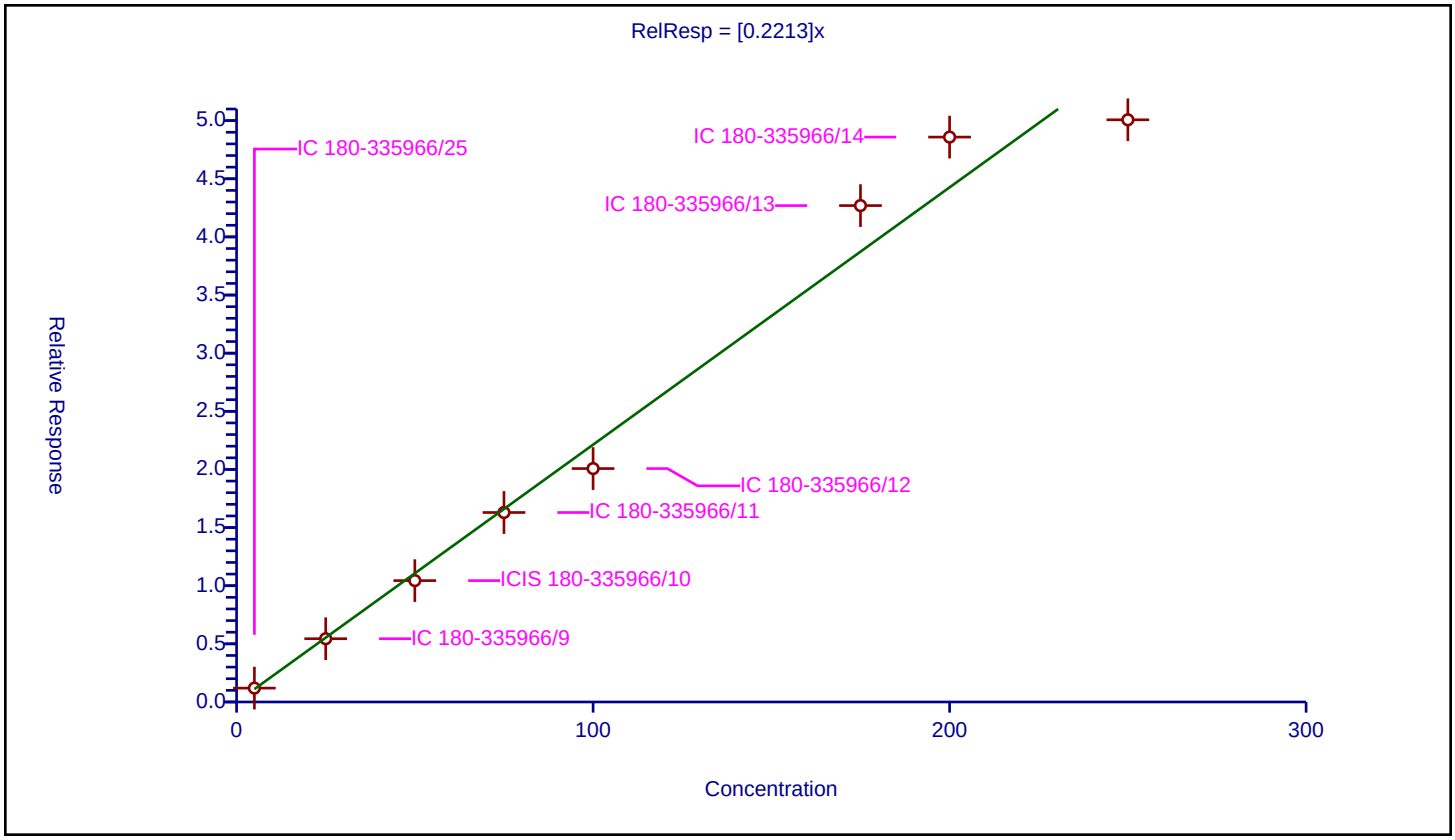
Curve Coefficients

Intercept:	0
Slope:	0.2213

Error Coefficients

Standard Error:	387000
Relative Standard Error:	8.3
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.193719	50.0	399089.0	0.238744	Y
2	IC 180-335966/9	25.0	5.442462	50.0	608098.0	0.217698	Y
3	ICIS 180-335966/10	50.0	10.439211	50.0	659614.0	0.208784	Y
4	IC 180-335966/11	75.0	16.295673	50.0	633929.0	0.217276	Y
5	IC 180-335966/12	100.0	20.076172	50.0	603499.0	0.200762	Y
6	IC 180-335966/13	175.0	42.691873	50.0	557831.0	0.243954	Y
7	IC 180-335966/14	200.0	48.585923	50.0	596785.0	0.24293	Y
8	IC 180-335966/15	250.0	50.074433	50.0	597851.0	0.200298	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

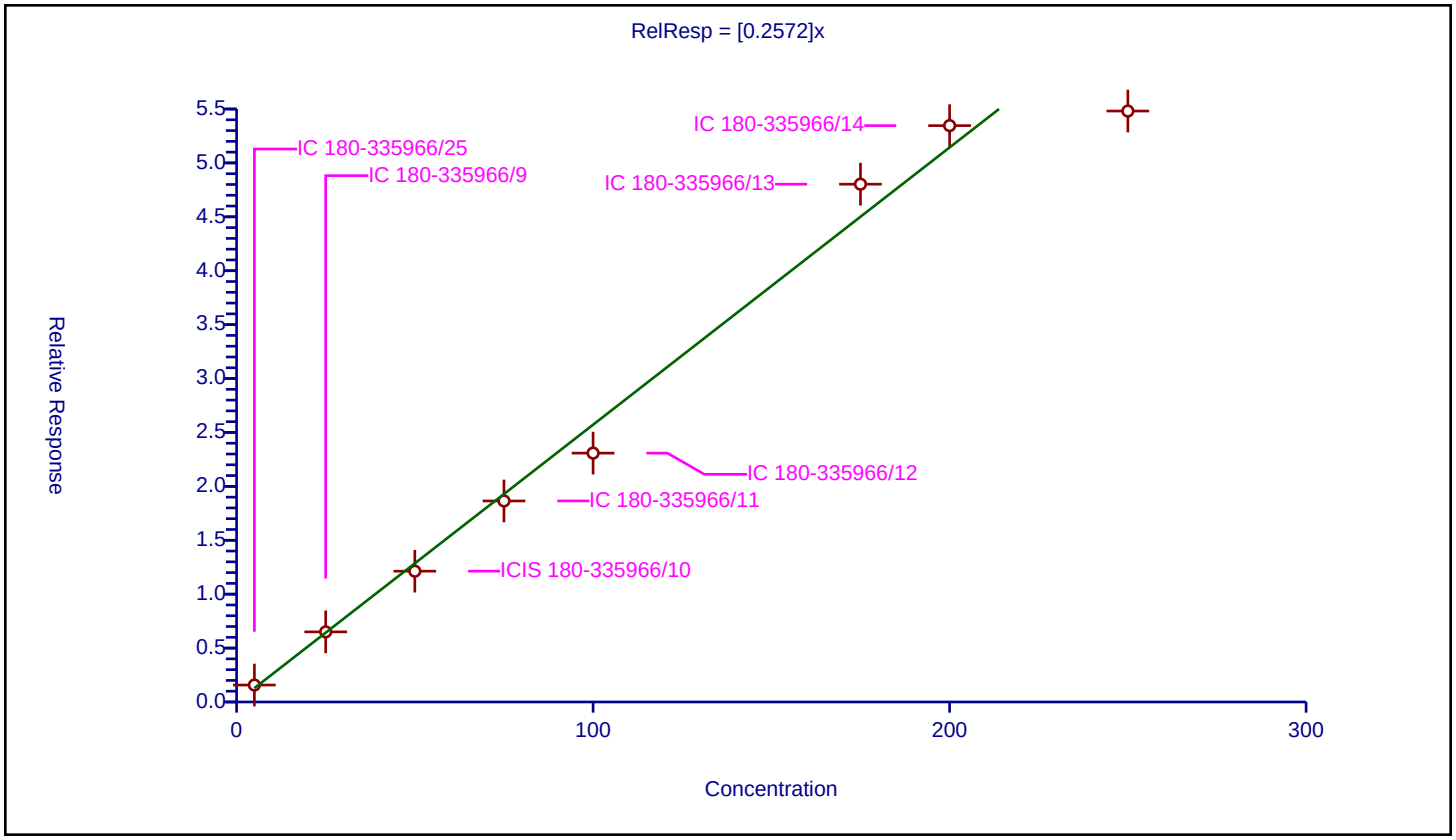
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	429000
Relative Standard Error:	11.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.570702	50.0	399089.0	0.31414	Y
2	IC 180-335966/9	25.0	6.503146	50.0	608098.0	0.260126	Y
3	ICIS 180-335966/10	50.0	12.132853	50.0	659614.0	0.242657	Y
4	IC 180-335966/11	75.0	18.646568	50.0	633929.0	0.248621	Y
5	IC 180-335966/12	100.0	23.083634	50.0	603499.0	0.230836	Y
6	IC 180-335966/13	175.0	48.027808	50.0	557831.0	0.274445	Y
7	IC 180-335966/14	200.0	53.458281	50.0	596785.0	0.267291	Y
8	IC 180-335966/15	250.0	54.812069	50.0	597851.0	0.219248	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

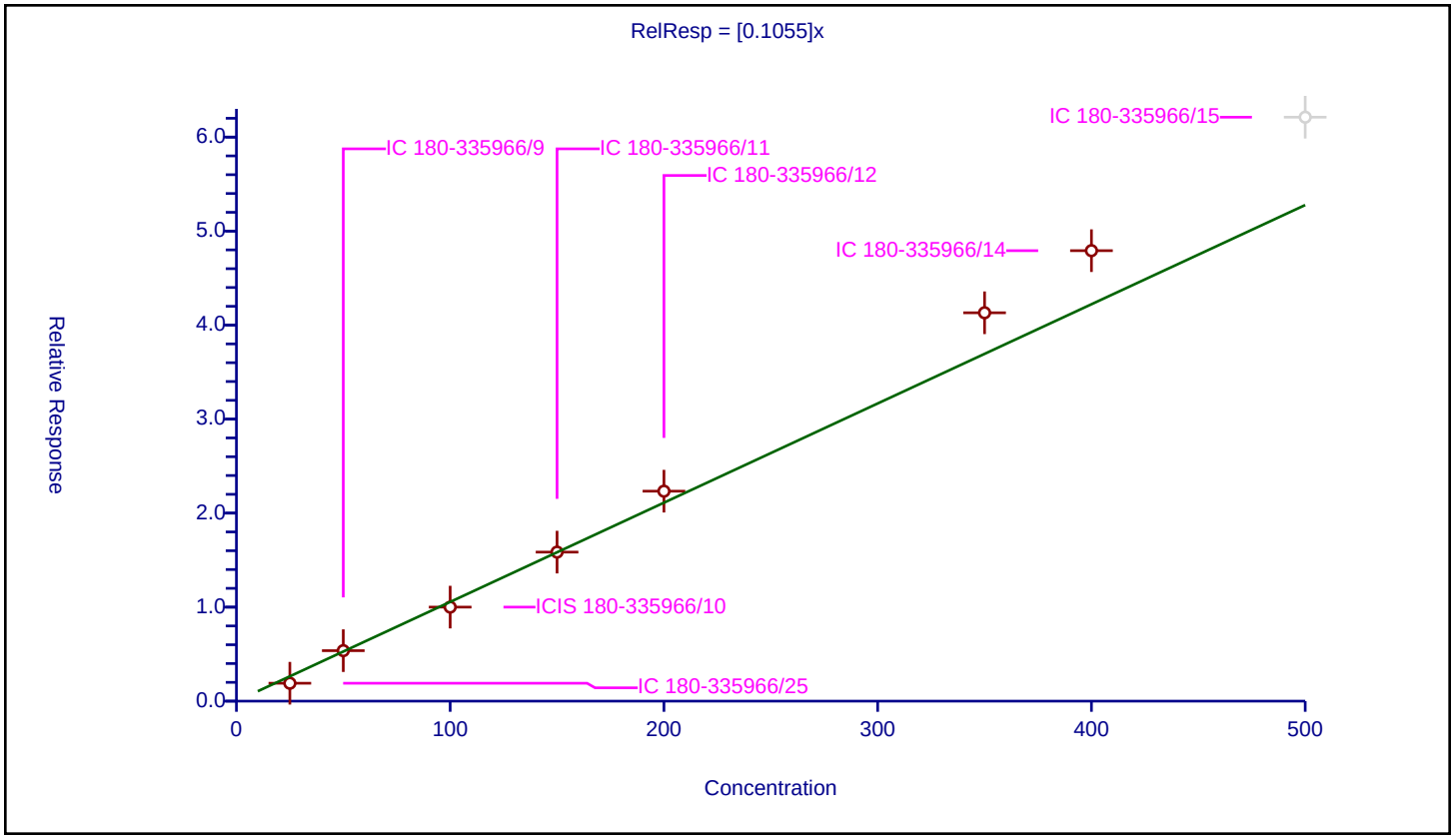
Curve Coefficients

Intercept:	0
Slope:	0.1055

Error Coefficients

Standard Error:	335000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	1.904337	50.0	399089.0	0.076173	Y
2	IC 180-335966/9	50.0	5.371009	50.0	608098.0	0.10742	Y
3	ICIS 180-335966/10	100.0	10.003805	50.0	659614.0	0.100038	Y
4	IC 180-335966/11	150.0	15.853353	50.0	633929.0	0.105689	Y
5	IC 180-335966/12	200.0	22.334834	50.0	603499.0	0.111674	Y
6	IC 180-335966/13	350.0	41.312871	50.0	557831.0	0.118037	Y
7	IC 180-335966/14	400.0	47.917592	50.0	596785.0	0.119794	Y
8	IC 180-335966/15	500.0	62.114892	50.0	597851.0	0.12423	N



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

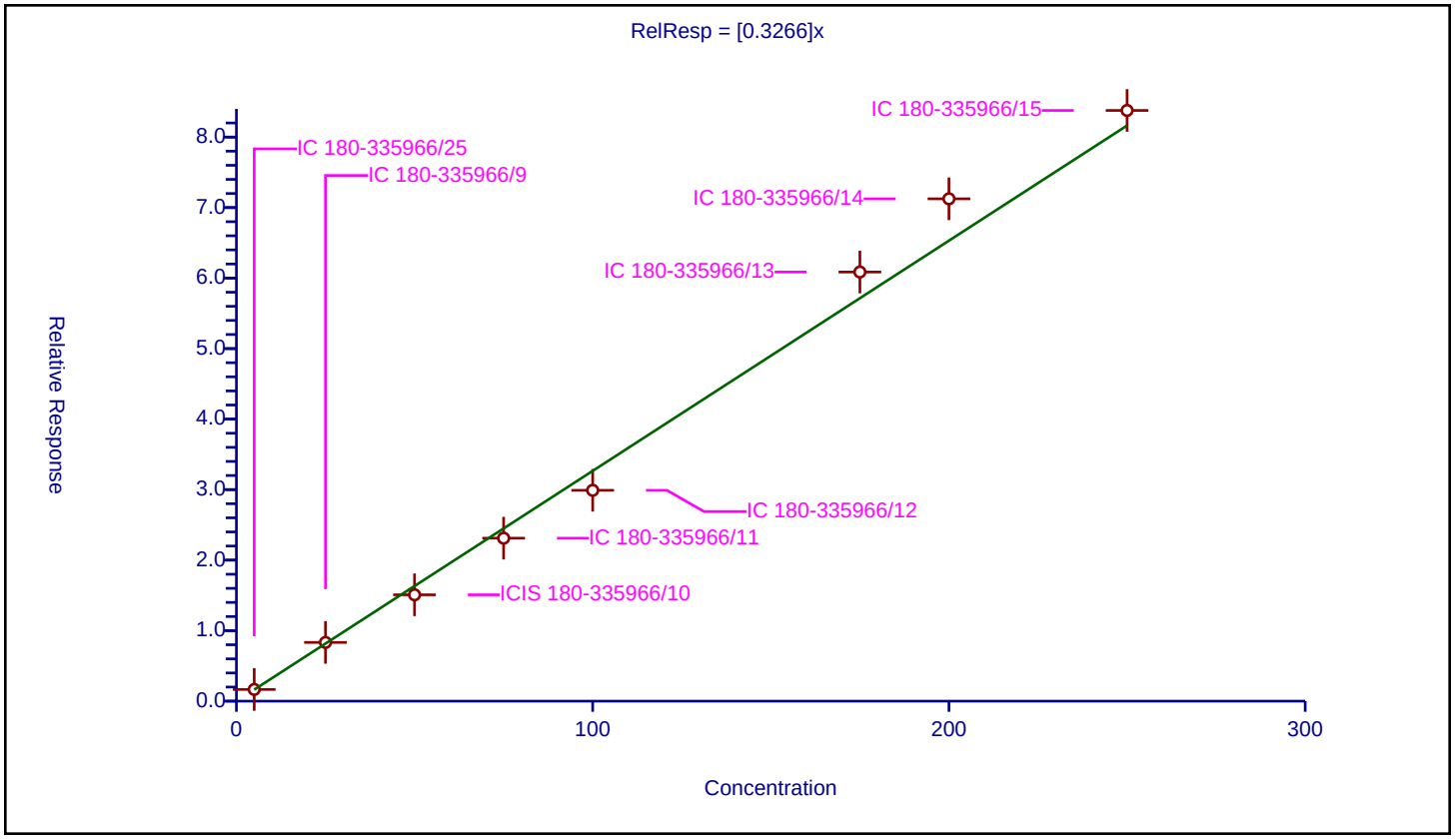
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	592000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.656397	50.0	399089.0	0.331279	Y
2	IC 180-335966/9	25.0	8.328345	50.0	608098.0	0.333134	Y
3	ICIS 180-335966/10	50.0	15.082154	50.0	659614.0	0.301643	Y
4	IC 180-335966/11	75.0	23.113708	50.0	633929.0	0.308183	Y
5	IC 180-335966/12	100.0	29.903115	50.0	603499.0	0.299031	Y
6	IC 180-335966/13	175.0	60.862967	50.0	557831.0	0.347788	Y
7	IC 180-335966/14	200.0	71.247183	50.0	596785.0	0.356236	Y
8	IC 180-335966/15	250.0	83.776727	50.0	597851.0	0.335107	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

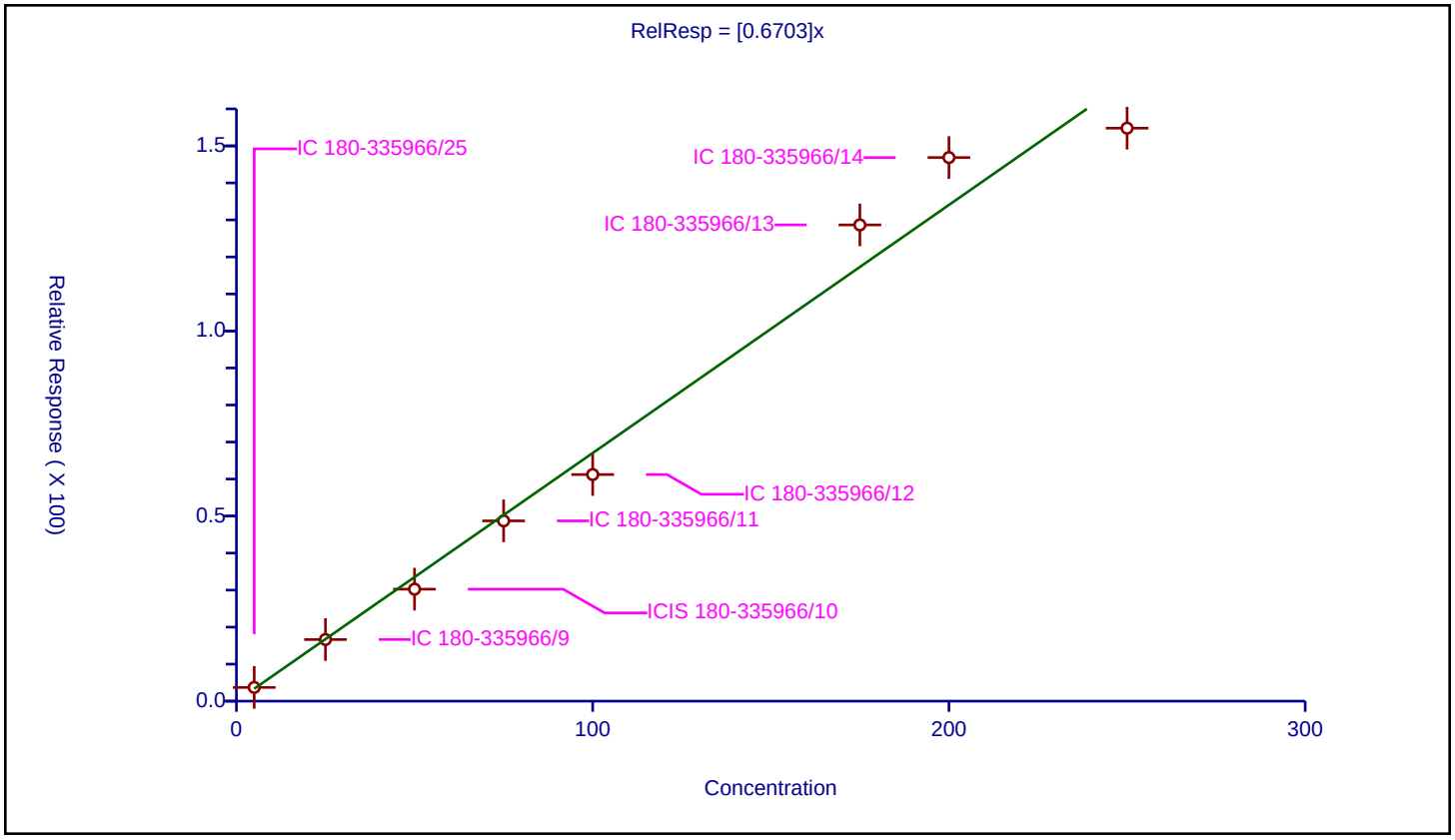
Curve Coefficients

Intercept:	0
Slope:	0.6703

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	8.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.705314	50.0	399089.0	0.741063	Y
2	IC 180-335966/9	25.0	16.644357	50.0	608098.0	0.665774	Y
3	ICIS 180-335966/10	50.0	30.255195	50.0	659614.0	0.605104	Y
4	IC 180-335966/11	75.0	48.699223	50.0	633929.0	0.649323	Y
5	IC 180-335966/12	100.0	61.217334	50.0	603499.0	0.612173	Y
6	IC 180-335966/13	175.0	128.655184	50.0	557831.0	0.735172	Y
7	IC 180-335966/14	200.0	146.853808	50.0	596785.0	0.734269	Y
8	IC 180-335966/15	250.0	154.791997	50.0	597851.0	0.619168	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

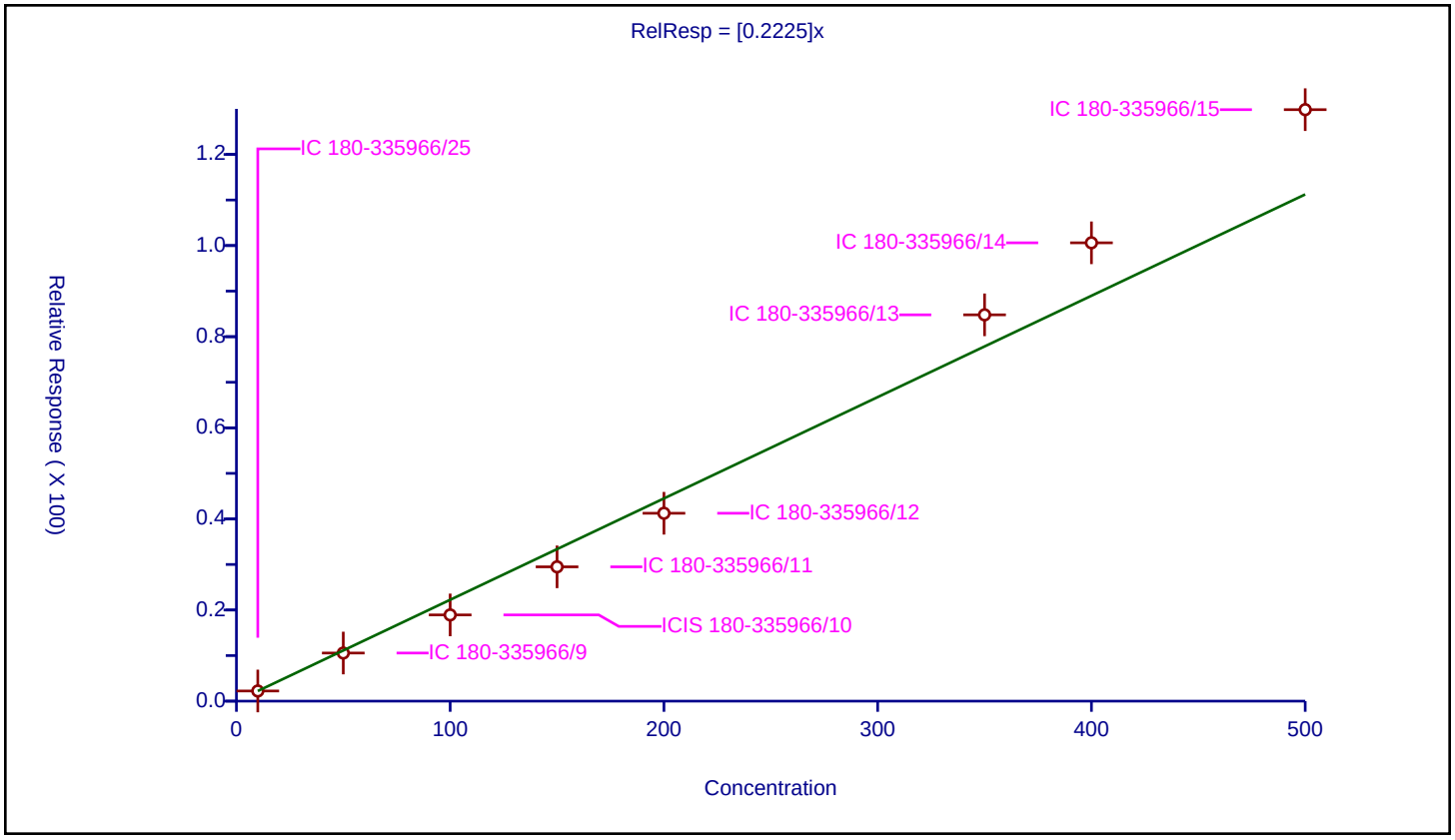
Curve Coefficients

Intercept:	0
Slope:	0.2225

Error Coefficients

Standard Error:	863000
Relative Standard Error:	11.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	10.0	2.228576	50.0	399089.0	0.222858	Y
2	IC 180-335966/9	50.0	10.563593	50.0	608098.0	0.211272	Y
3	ICIS 180-335966/10	100.0	18.927812	50.0	659614.0	0.189278	Y
4	IC 180-335966/11	150.0	29.480115	50.0	633929.0	0.196534	Y
5	IC 180-335966/12	200.0	41.244559	50.0	603499.0	0.206223	Y
6	IC 180-335966/13	350.0	84.795664	50.0	557831.0	0.242273	Y
7	IC 180-335966/14	400.0	100.606248	50.0	596785.0	0.251516	Y
8	IC 180-335966/15	500.0	129.830426	50.0	597851.0	0.259661	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

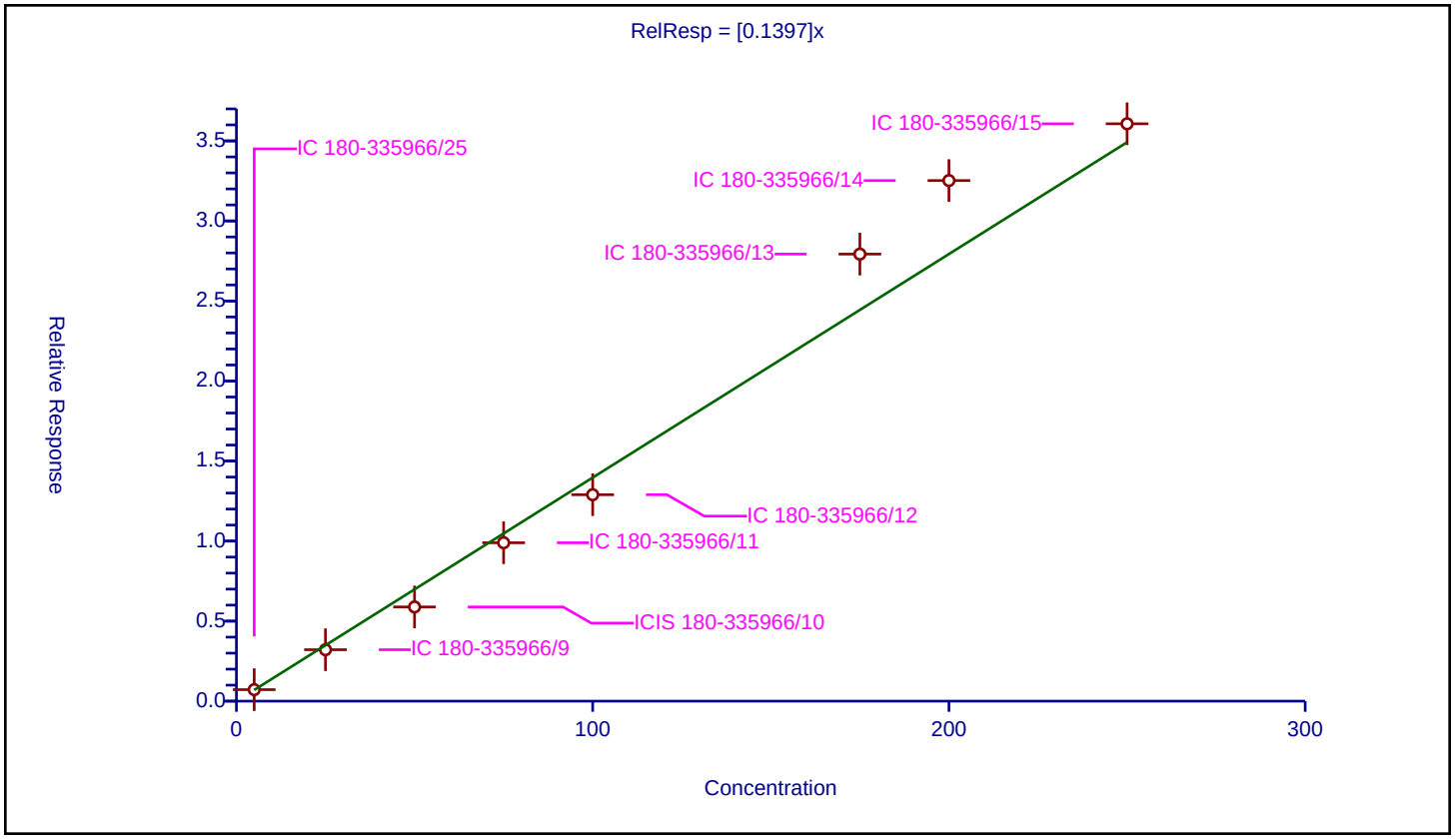
Curve Coefficients

Intercept:	0
Slope:	0.1397

Error Coefficients

Standard Error:	262000
Relative Standard Error:	11.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.718511	50.0	399089.0	0.143702	Y
2	IC 180-335966/9	25.0	3.212558	50.0	608098.0	0.128502	Y
3	ICIS 180-335966/10	50.0	5.883668	50.0	659614.0	0.117673	Y
4	IC 180-335966/11	75.0	9.895351	50.0	633929.0	0.131938	Y
5	IC 180-335966/12	100.0	12.896293	50.0	603499.0	0.128963	Y
6	IC 180-335966/13	175.0	27.927724	50.0	557831.0	0.159587	Y
7	IC 180-335966/14	200.0	32.523103	50.0	596785.0	0.162616	Y
8	IC 180-335966/15	250.0	36.069188	50.0	597851.0	0.144277	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

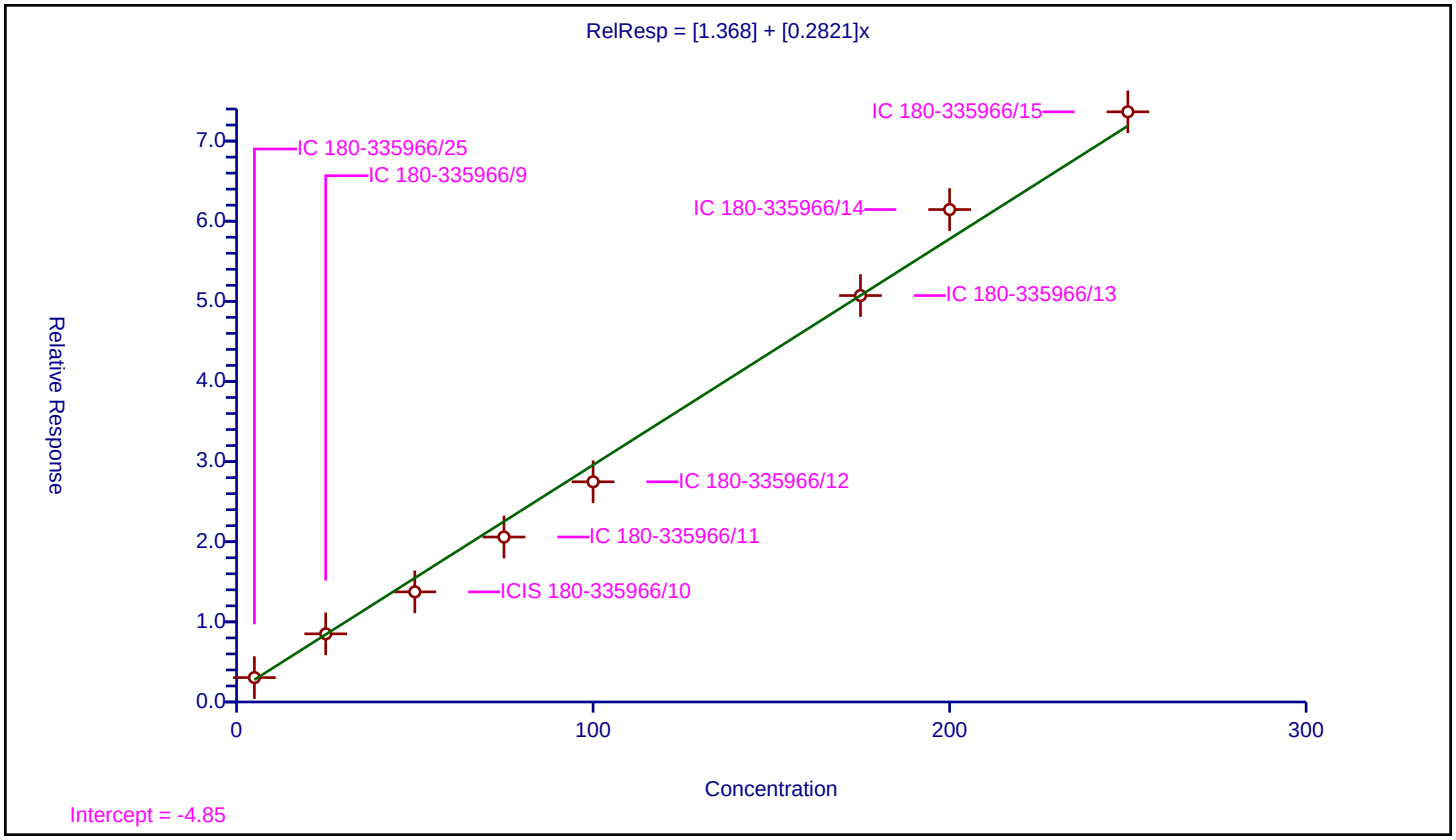
Curve Coefficients

Intercept:	1.368
Slope:	0.2821

Error Coefficients

Standard Error:	556000
Relative Standard Error:	10.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.041803	50.0	399089.0	0.608361	Y
2	IC 180-335966/9	25.0	8.505701	50.0	608098.0	0.340228	Y
3	ICIS 180-335966/10	50.0	13.743417	50.0	659614.0	0.274868	Y
4	IC 180-335966/11	75.0	20.586927	50.0	633929.0	0.274492	Y
5	IC 180-335966/12	100.0	27.48041	50.0	603499.0	0.274804	Y
6	IC 180-335966/13	175.0	50.721455	50.0	557831.0	0.289837	Y
7	IC 180-335966/14	200.0	61.455214	50.0	596785.0	0.307276	Y
8	IC 180-335966/15	250.0	73.651462	50.0	597851.0	0.294606	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

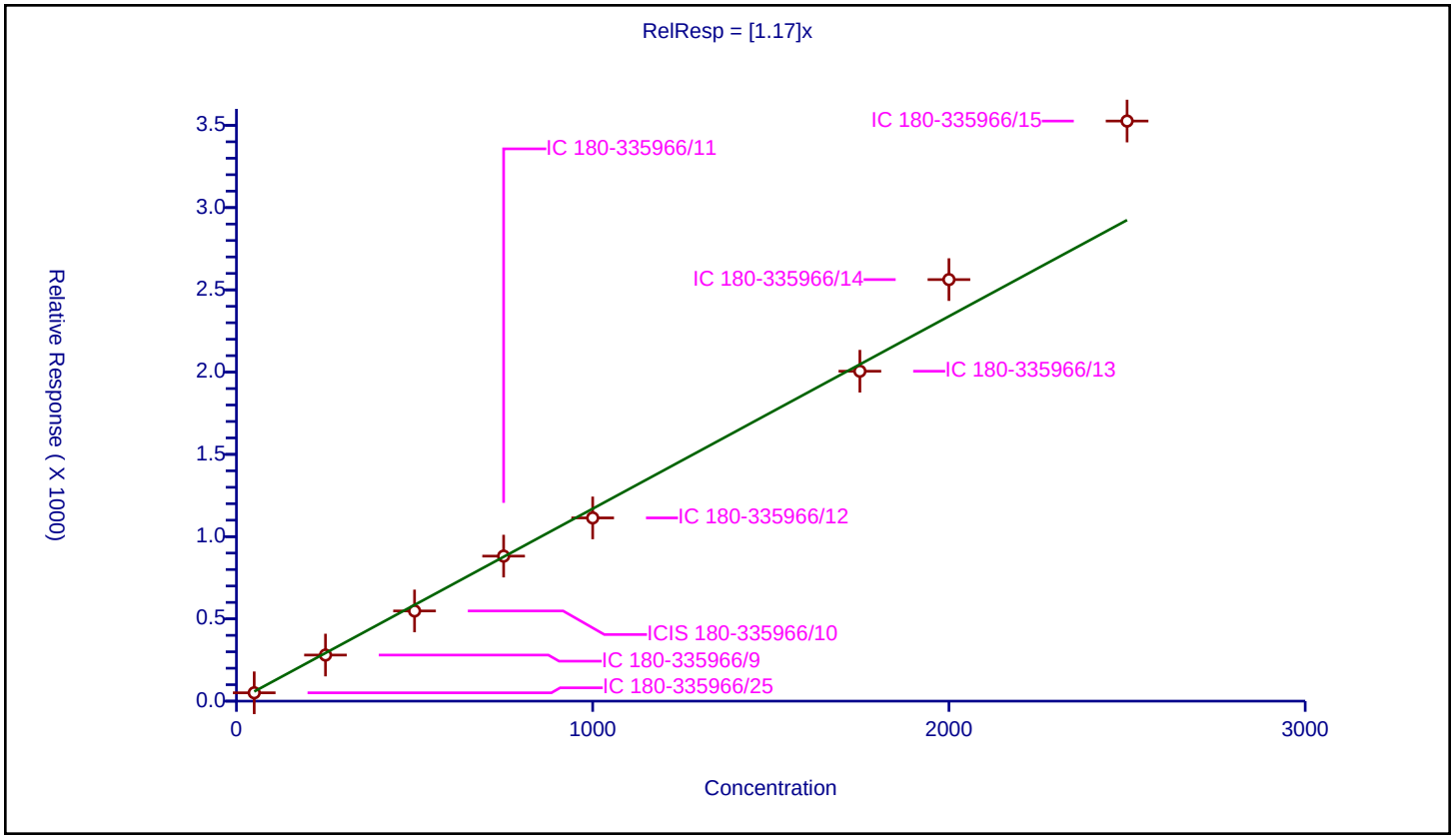
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	456000
Relative Standard Error:	10.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	50.0	50.683049	1000.0	153503.0	1.013661	Y
2	IC 180-335966/9	250.0	280.11595	1000.0	208021.0	1.120464	Y
3	ICIS 180-335966/10	500.0	548.273682	1000.0	216733.0	1.096547	Y
4	IC 180-335966/11	750.0	881.556972	1000.0	216754.0	1.175409	Y
5	IC 180-335966/12	1000.0	1113.775686	1000.0	226094.0	1.113776	Y
6	IC 180-335966/13	1750.0	2005.47951	1000.0	237065.0	1.145988	Y
7	IC 180-335966/14	2000.0	2562.347682	1000.0	252760.0	1.281174	Y
8	IC 180-335966/15	2500.0	3526.223696	1000.0	238315.0	1.410489	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

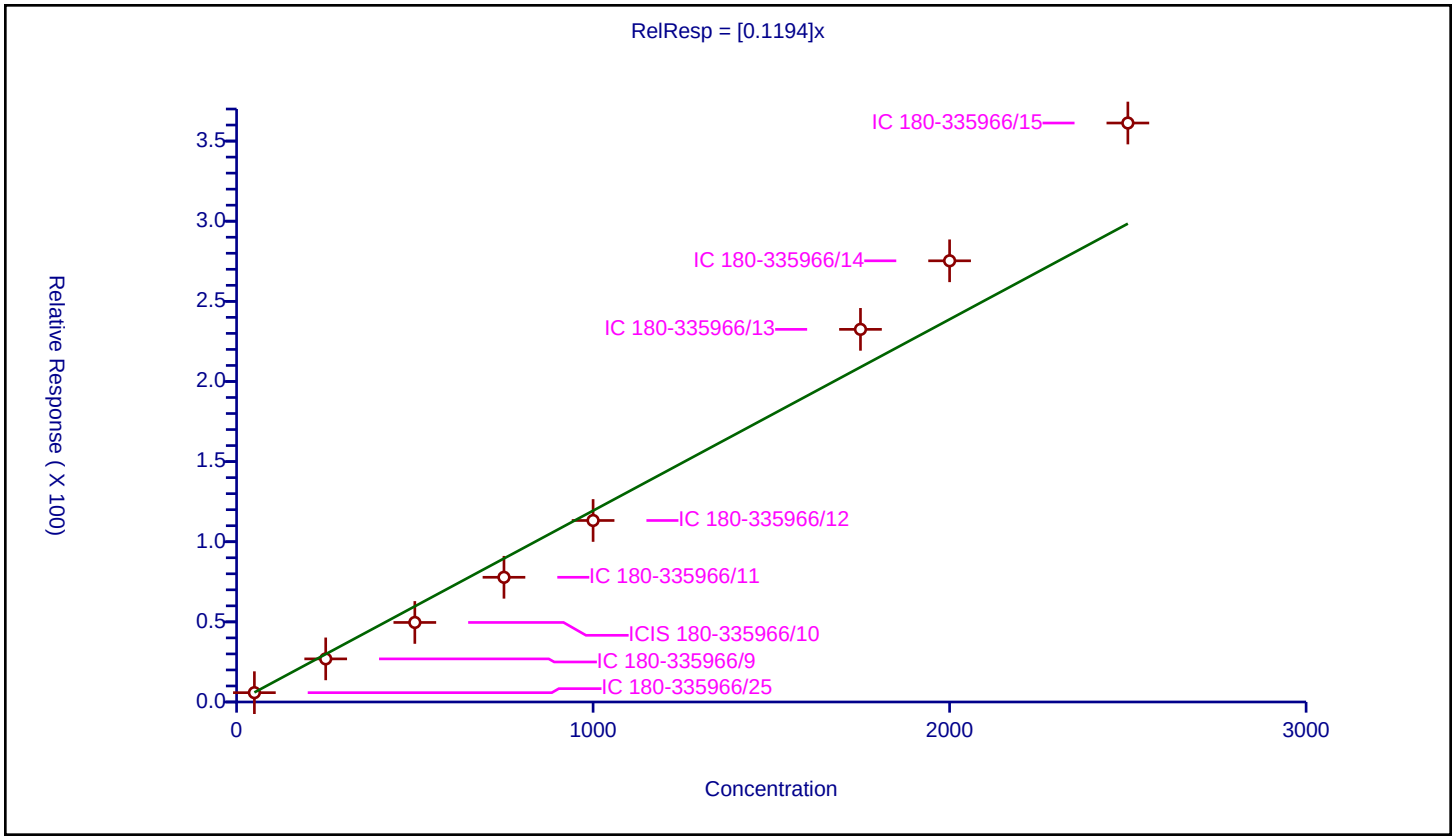
Curve Coefficients

Intercept:	0
Slope:	0.1194

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	14.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	50.0	5.810233	50.0	399089.0	0.116205	Y
2	IC 180-335966/9	250.0	26.903312	50.0	608098.0	0.107613	Y
3	ICIS 180-335966/10	500.0	49.626524	50.0	659614.0	0.099253	Y
4	IC 180-335966/11	750.0	77.805322	50.0	633929.0	0.10374	Y
5	IC 180-335966/12	1000.0	113.250809	50.0	603499.0	0.113251	Y
6	IC 180-335966/13	1750.0	232.506799	50.0	557831.0	0.132861	Y
7	IC 180-335966/14	2000.0	275.294118	50.0	596785.0	0.137647	Y
8	IC 180-335966/15	2500.0	361.267774	50.0	597851.0	0.144507	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

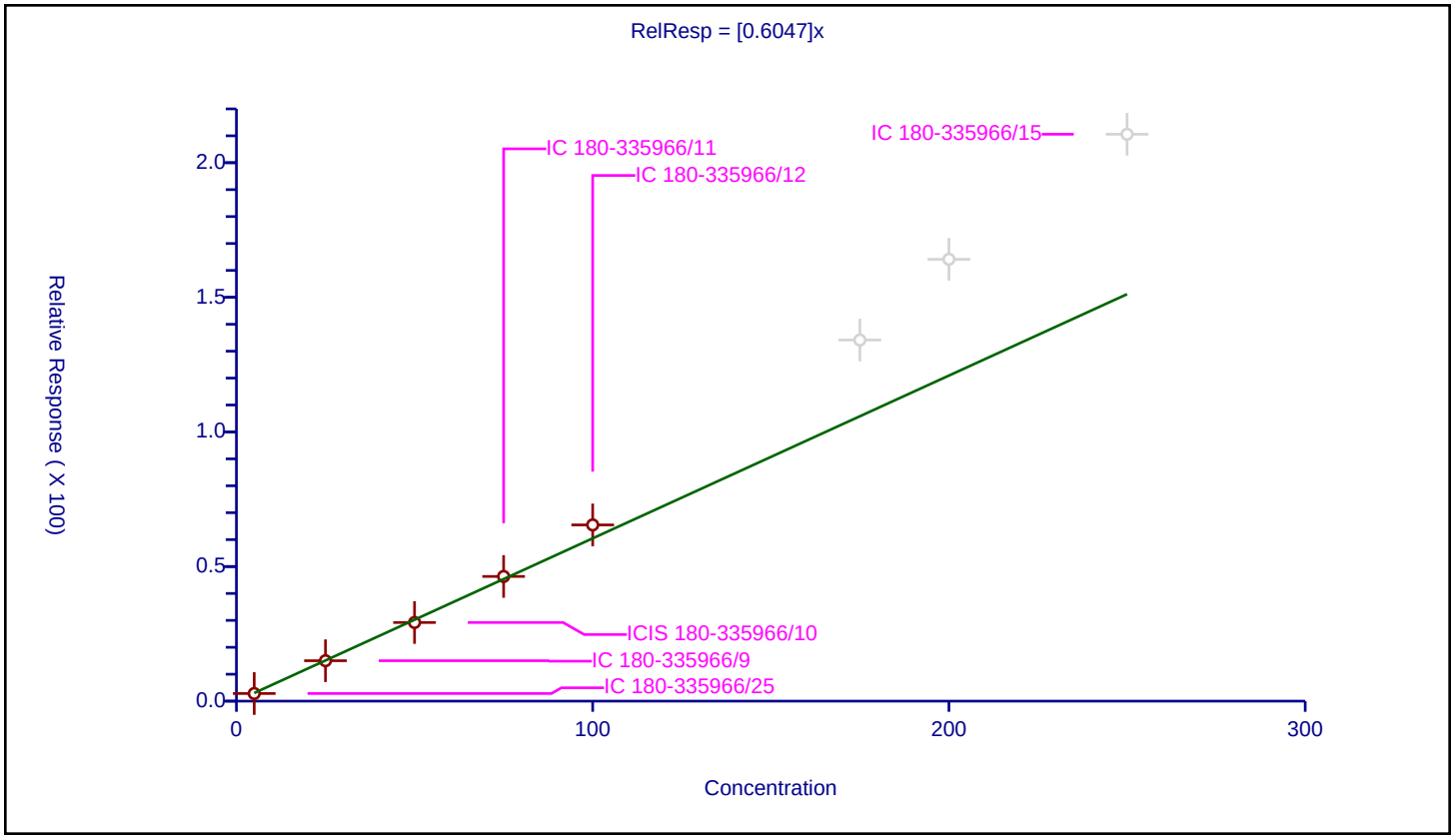
Curve Coefficients

Intercept:	0
Slope:	0.6047

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.832326	50.0	399089.0	0.566465	Y
2	IC 180-335966/9	25.0	15.014274	50.0	608098.0	0.600571	Y
3	ICIS 180-335966/10	50.0	29.211781	50.0	659614.0	0.584236	Y
4	IC 180-335966/11	75.0	46.316543	50.0	633929.0	0.617554	Y
5	IC 180-335966/12	100.0	65.462909	50.0	603499.0	0.654629	Y
6	IC 180-335966/13	175.0	134.145736	50.0	557831.0	0.766547	N
7	IC 180-335966/14	200.0	164.129544	50.0	596785.0	0.820648	N
8	IC 180-335966/15	250.0	210.578221	50.0	597851.0	0.842313	N



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

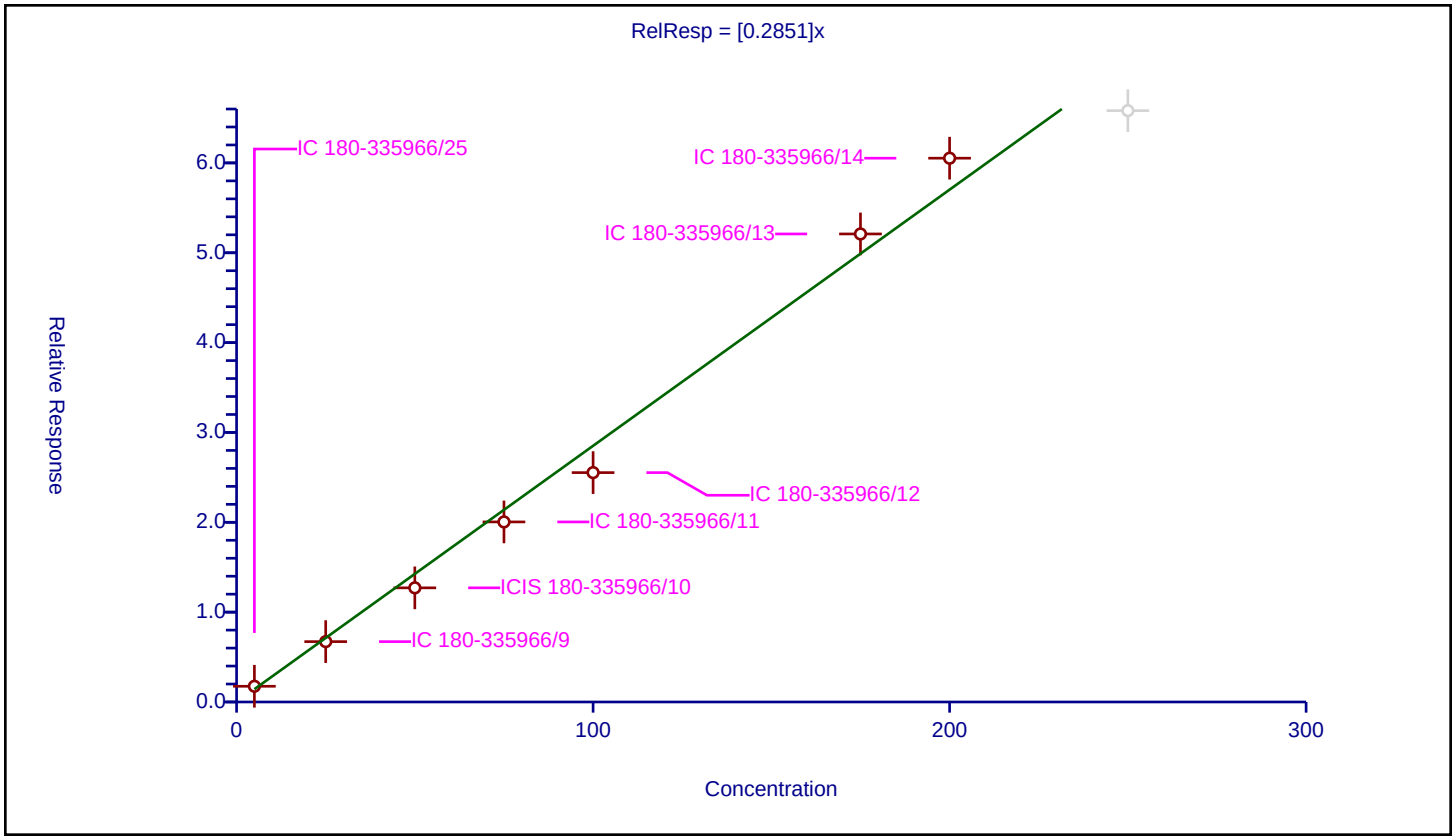
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Standard Error:	419000
Relative Standard Error:	12.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.750612	50.0	399089.0	0.350122	Y
2	IC 180-335966/9	25.0	6.719229	50.0	608098.0	0.268769	Y
3	ICIS 180-335966/10	50.0	12.704172	50.0	659614.0	0.254083	Y
4	IC 180-335966/11	75.0	20.04144	50.0	633929.0	0.267219	Y
5	IC 180-335966/12	100.0	25.531111	50.0	603499.0	0.255311	Y
6	IC 180-335966/13	175.0	52.093017	50.0	557831.0	0.297674	Y
7	IC 180-335966/14	200.0	60.525985	50.0	596785.0	0.30263	Y
8	IC 180-335966/15	250.0	65.818908	50.0	597851.0	0.263276	N



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

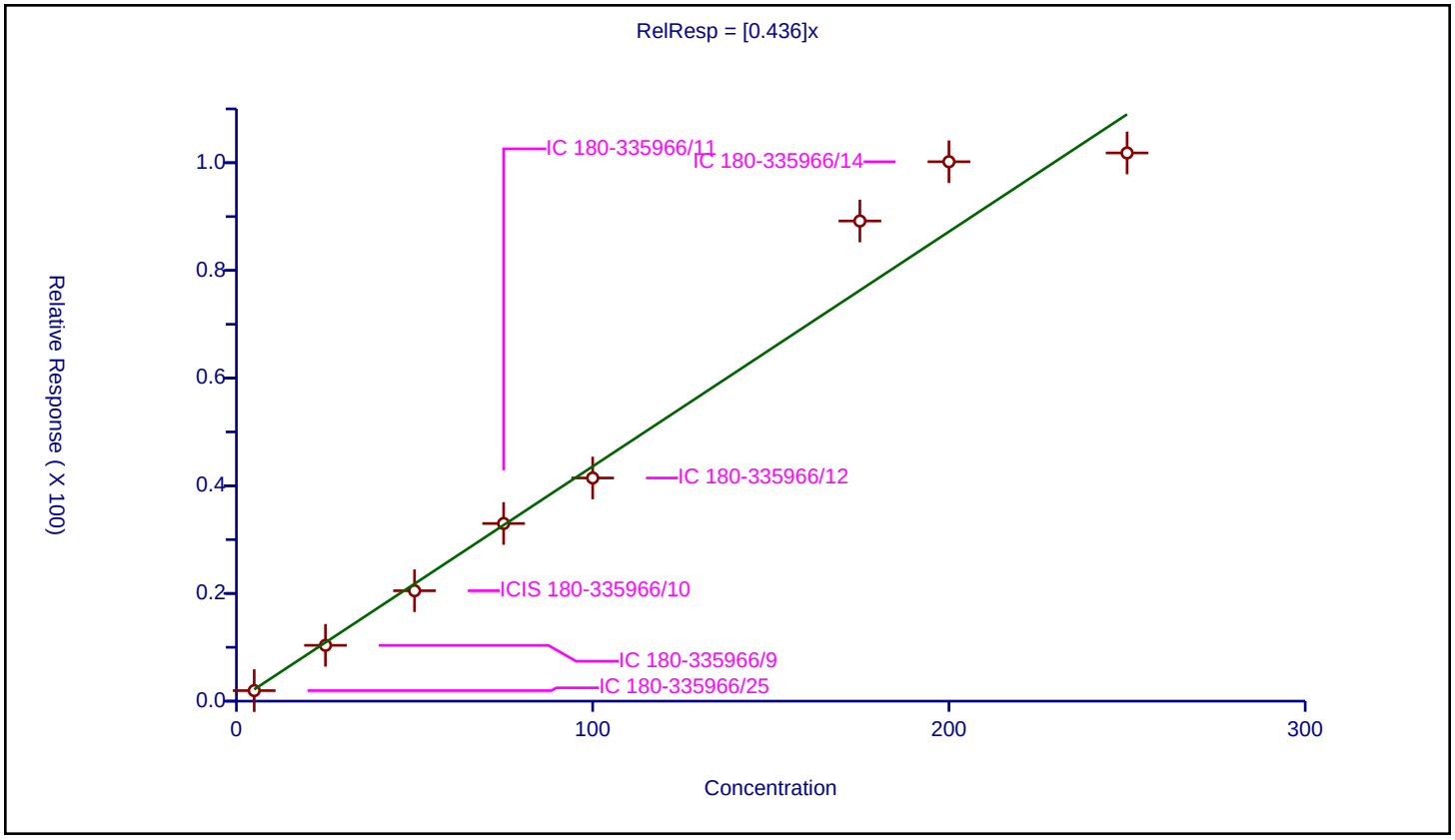
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	794000
Relative Standard Error:	10.3
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.955203	50.0	399089.0	0.391041	Y
2	IC 180-335966/9	25.0	10.363708	50.0	608098.0	0.414548	Y
3	ICIS 180-335966/10	50.0	20.505098	50.0	659614.0	0.410102	Y
4	IC 180-335966/11	75.0	32.9936	50.0	633929.0	0.439915	Y
5	IC 180-335966/12	100.0	41.448702	50.0	603499.0	0.414487	Y
6	IC 180-335966/13	175.0	89.178353	50.0	557831.0	0.509591	Y
7	IC 180-335966/14	200.0	100.185243	50.0	596785.0	0.500926	Y
8	IC 180-335966/15	250.0	101.819266	50.0	597851.0	0.407277	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

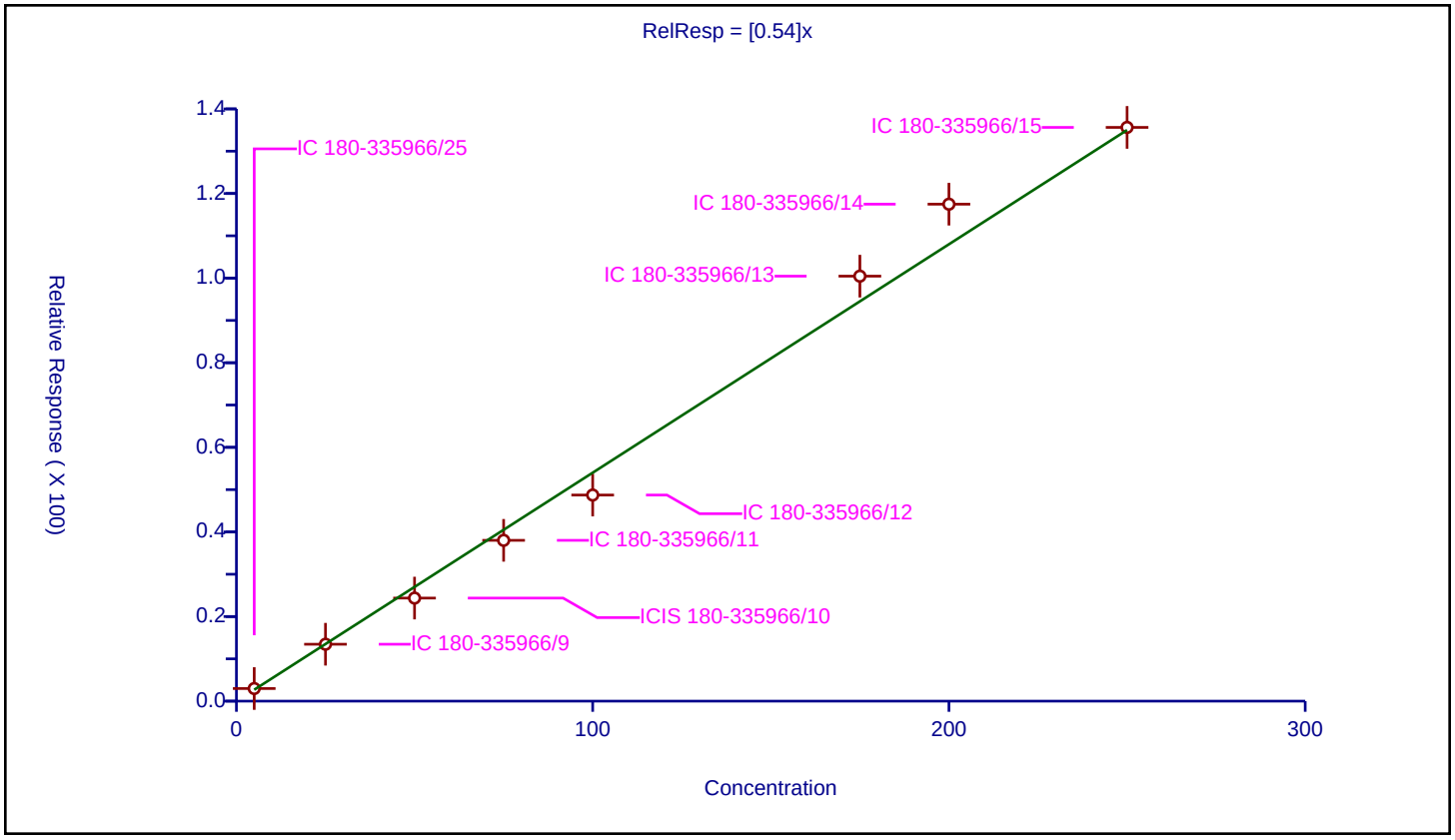
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	968000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.983294	50.0	399089.0	0.596659	Y
2	IC 180-335966/9	25.0	13.454328	50.0	608098.0	0.538173	Y
3	ICIS 180-335966/10	50.0	24.361596	50.0	659614.0	0.487232	Y
4	IC 180-335966/11	75.0	38.010171	50.0	633929.0	0.506802	Y
5	IC 180-335966/12	100.0	48.719882	50.0	603499.0	0.487199	Y
6	IC 180-335966/13	175.0	100.460265	50.0	557831.0	0.574059	Y
7	IC 180-335966/14	200.0	117.474802	50.0	596785.0	0.587374	Y
8	IC 180-335966/15	250.0	135.625264	50.0	597851.0	0.542501	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

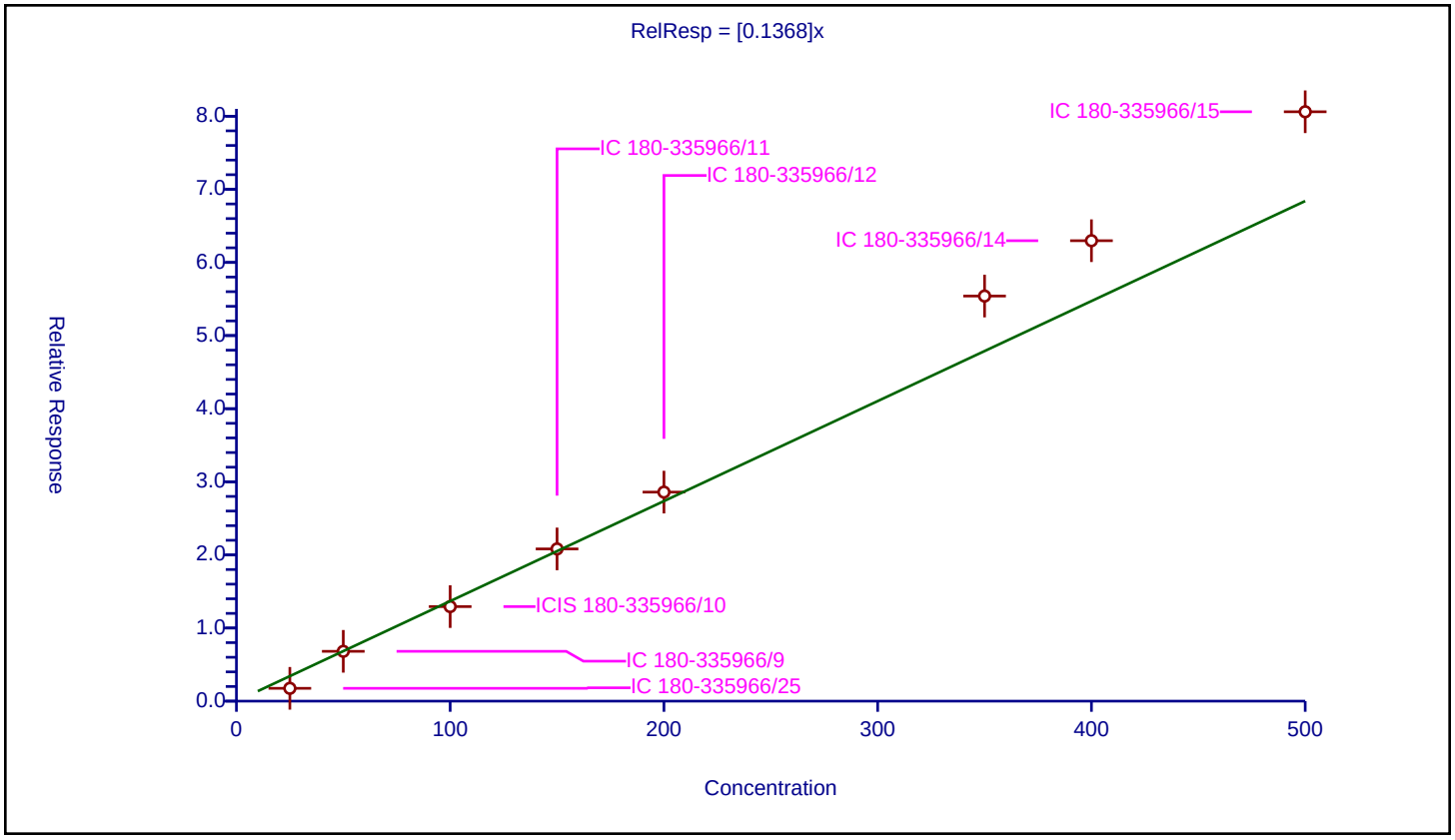
Curve Coefficients

Intercept:	0
Slope:	0.1368

Error Coefficients

Standard Error:	548000
Relative Standard Error:	21.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	1.753118	50.0	399089.0	0.070125	Y
2	IC 180-335966/9	50.0	6.81206	50.0	608098.0	0.136241	Y
3	ICIS 180-335966/10	100.0	12.929607	50.0	659614.0	0.129296	Y
4	IC 180-335966/11	150.0	20.819682	50.0	633929.0	0.138798	Y
5	IC 180-335966/12	200.0	28.588531	50.0	603499.0	0.142943	Y
6	IC 180-335966/13	350.0	55.404325	50.0	557831.0	0.158298	Y
7	IC 180-335966/14	400.0	62.972176	50.0	596785.0	0.15743	Y
8	IC 180-335966/15	500.0	80.607794	50.0	597851.0	0.161216	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

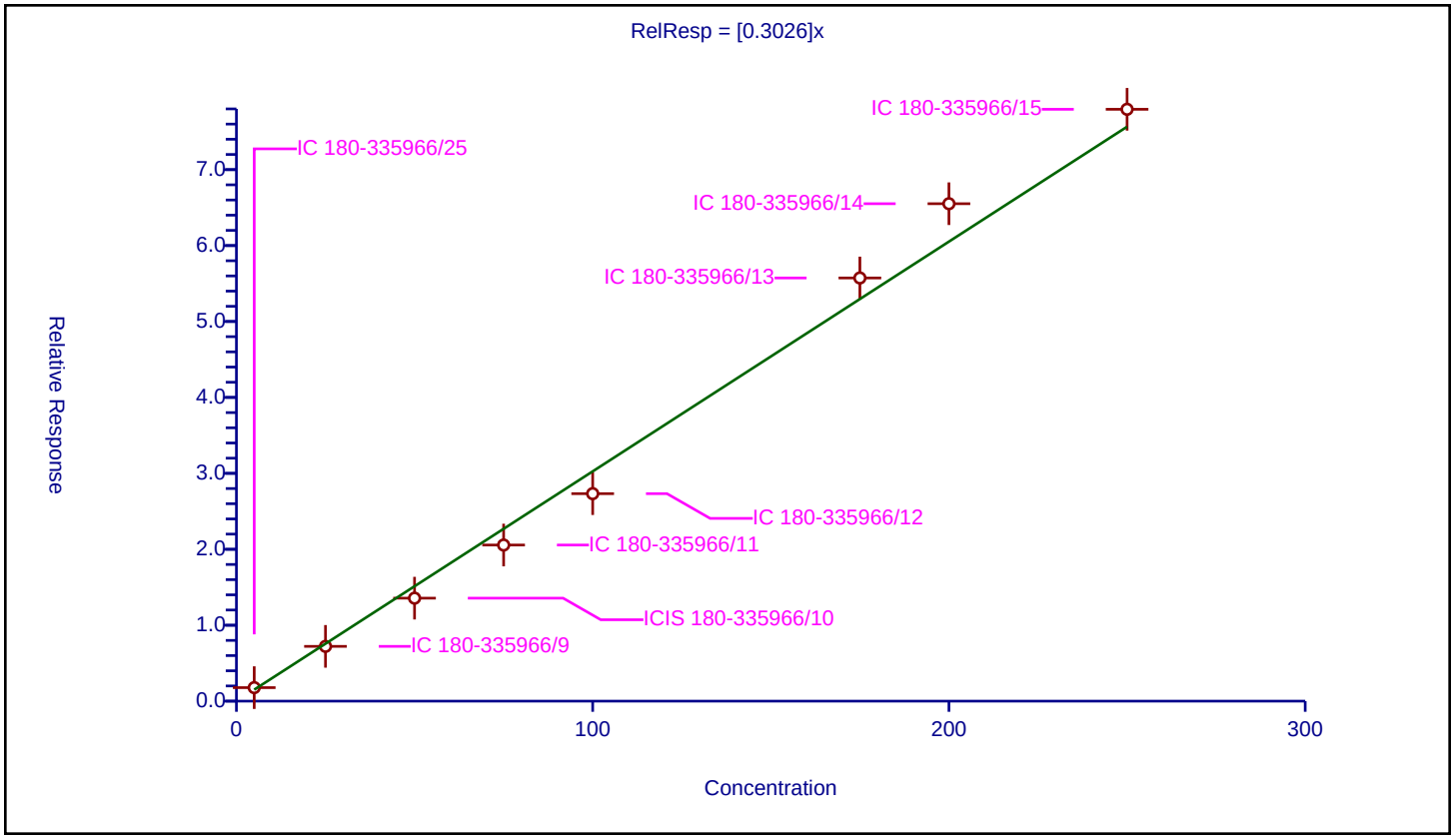
Curve Coefficients

Intercept:	0
Slope:	0.3026

Error Coefficients

Standard Error:	545000
Relative Standard Error:	10.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.778676	50.0	399089.0	0.355735	Y
2	IC 180-335966/9	25.0	7.214791	50.0	608098.0	0.288592	Y
3	ICIS 180-335966/10	50.0	13.563387	50.0	659614.0	0.271268	Y
4	IC 180-335966/11	75.0	20.560347	50.0	633929.0	0.274138	Y
5	IC 180-335966/12	100.0	27.325729	50.0	603499.0	0.273257	Y
6	IC 180-335966/13	175.0	55.733098	50.0	557831.0	0.318475	Y
7	IC 180-335966/14	200.0	65.510779	50.0	596785.0	0.327554	Y
8	IC 180-335966/15	250.0	77.946846	50.0	597851.0	0.311787	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

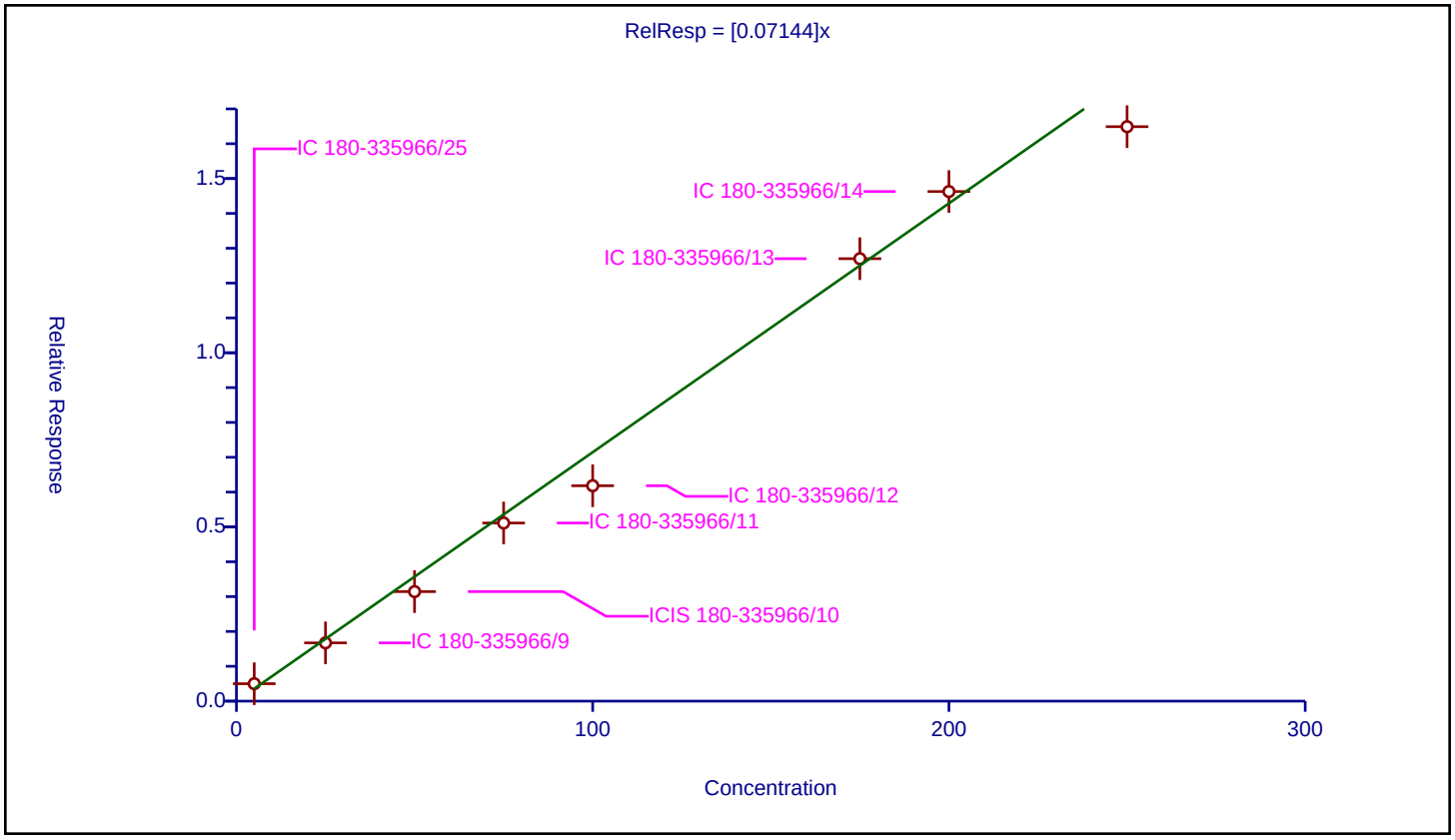
Curve Coefficients

Intercept:	0
Slope:	0.07144

Error Coefficients

Standard Error:	120000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.500515	50.0	399089.0	0.100103	Y
2	IC 180-335966/9	25.0	1.672346	50.0	608098.0	0.066894	Y
3	ICIS 180-335966/10	50.0	3.143733	50.0	659614.0	0.062875	Y
4	IC 180-335966/11	75.0	5.11327	50.0	633929.0	0.068177	Y
5	IC 180-335966/12	100.0	6.182612	50.0	603499.0	0.061826	Y
6	IC 180-335966/13	175.0	12.700083	50.0	557831.0	0.072572	Y
7	IC 180-335966/14	200.0	14.627462	50.0	596785.0	0.073137	Y
8	IC 180-335966/15	250.0	16.489058	50.0	597851.0	0.065956	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

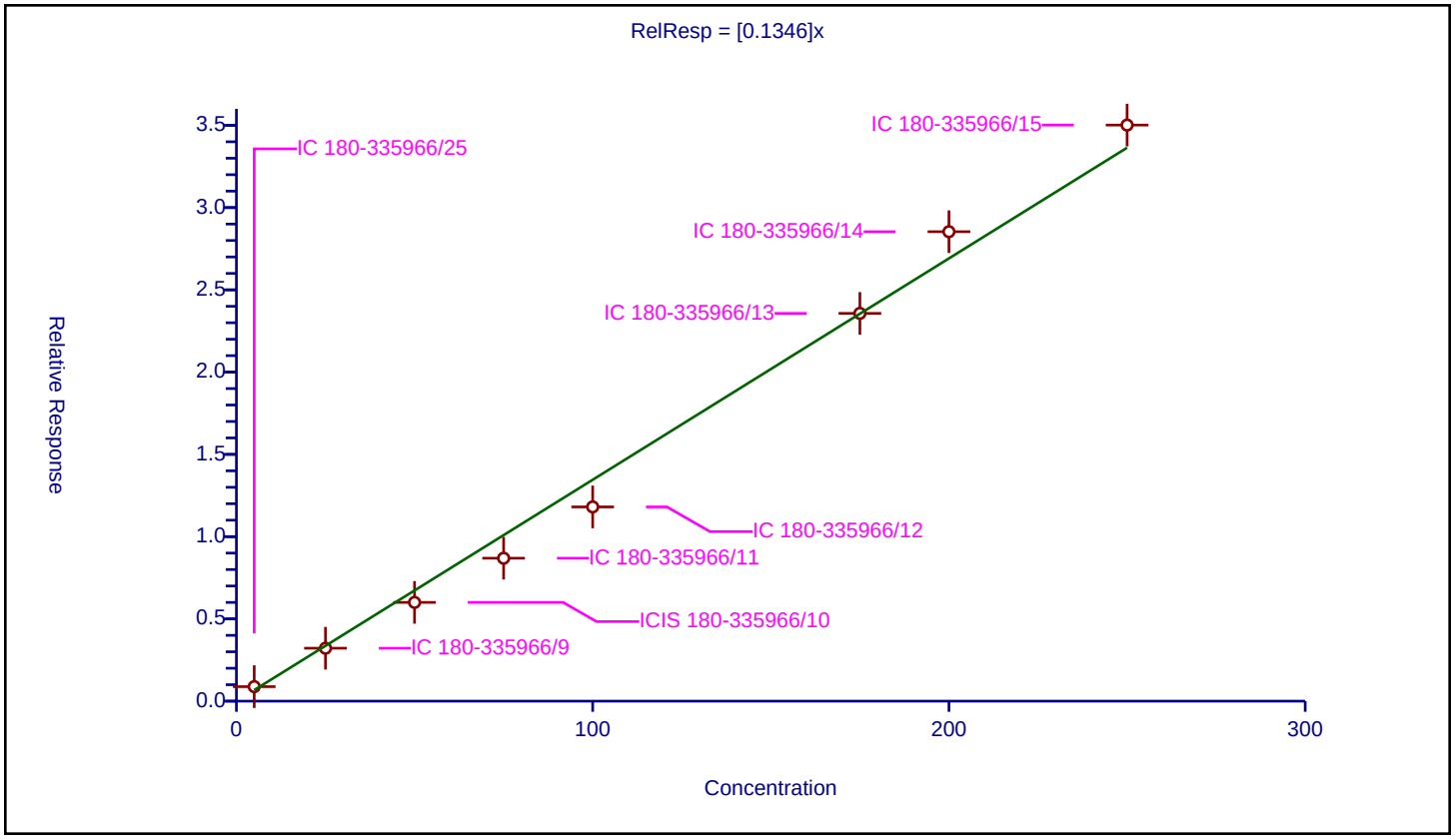
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Standard Error:	239000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.881883	50.0	399089.0	0.176377	Y
2	IC 180-335966/9	25.0	3.217573	50.0	608098.0	0.128703	Y
3	ICIS 180-335966/10	50.0	6.002147	50.0	659614.0	0.120043	Y
4	IC 180-335966/11	75.0	8.687803	50.0	633929.0	0.115837	Y
5	IC 180-335966/12	100.0	11.806399	50.0	603499.0	0.118064	Y
6	IC 180-335966/13	175.0	23.569594	50.0	557831.0	0.134683	Y
7	IC 180-335966/14	200.0	28.53557	50.0	596785.0	0.142678	Y
8	IC 180-335966/15	250.0	35.015832	50.0	597851.0	0.140063	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

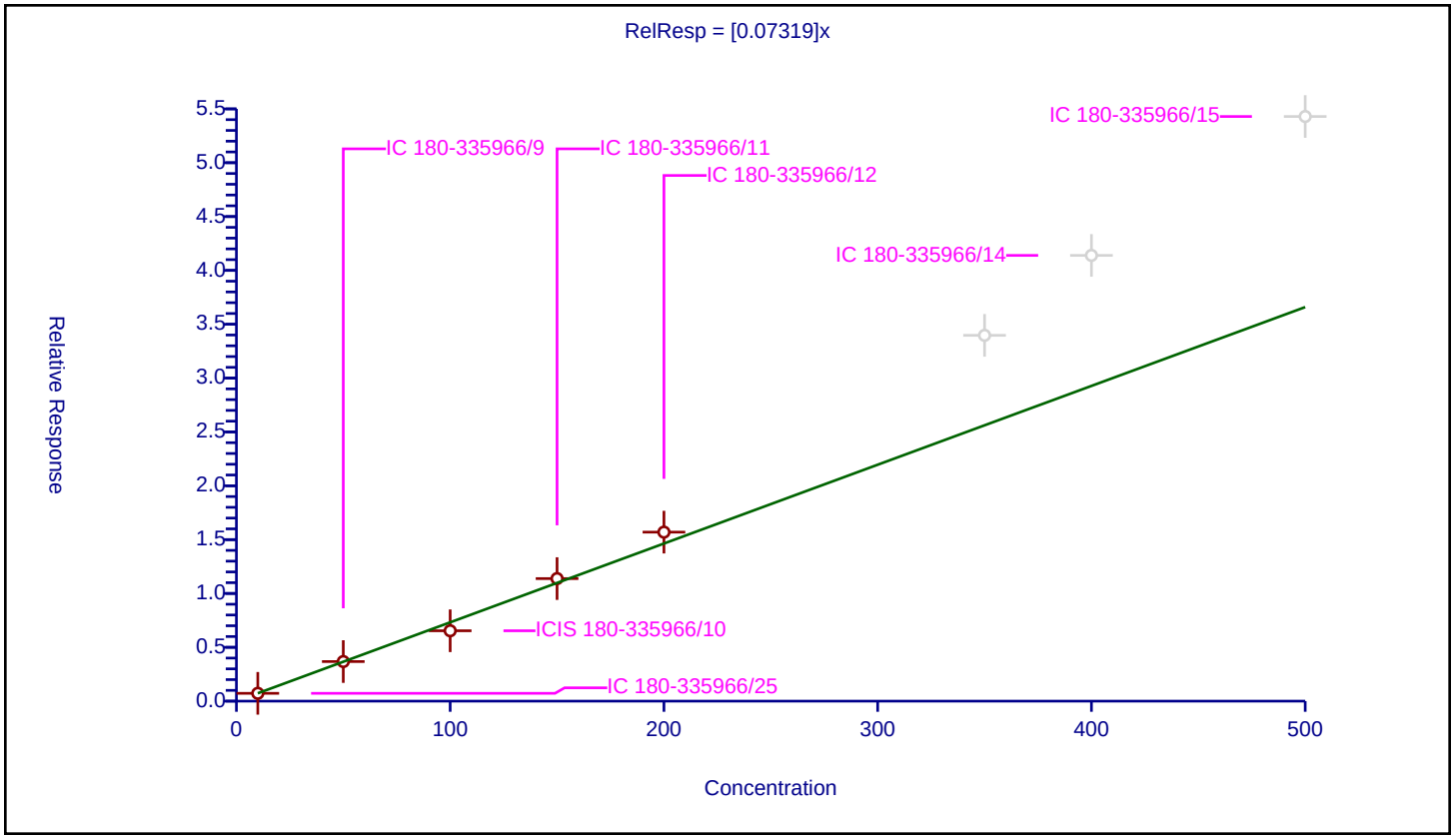
Curve Coefficients

Intercept:	0
Slope:	0.07319

Error Coefficients

Standard Error:	129000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	10.0	0.726655	50.0	399089.0	0.072665	Y
2	IC 180-335966/9	50.0	3.677532	50.0	608098.0	0.073551	Y
3	ICIS 180-335966/10	100.0	6.53602	50.0	659614.0	0.06536	Y
4	IC 180-335966/11	150.0	11.381164	50.0	633929.0	0.075874	Y
5	IC 180-335966/12	200.0	15.696132	50.0	603499.0	0.078481	Y
6	IC 180-335966/13	350.0	33.970235	50.0	557831.0	0.097058	N
7	IC 180-335966/14	400.0	41.392964	50.0	596785.0	0.103482	N
8	IC 180-335966/15	500.0	54.291454	50.0	597851.0	0.108583	N



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

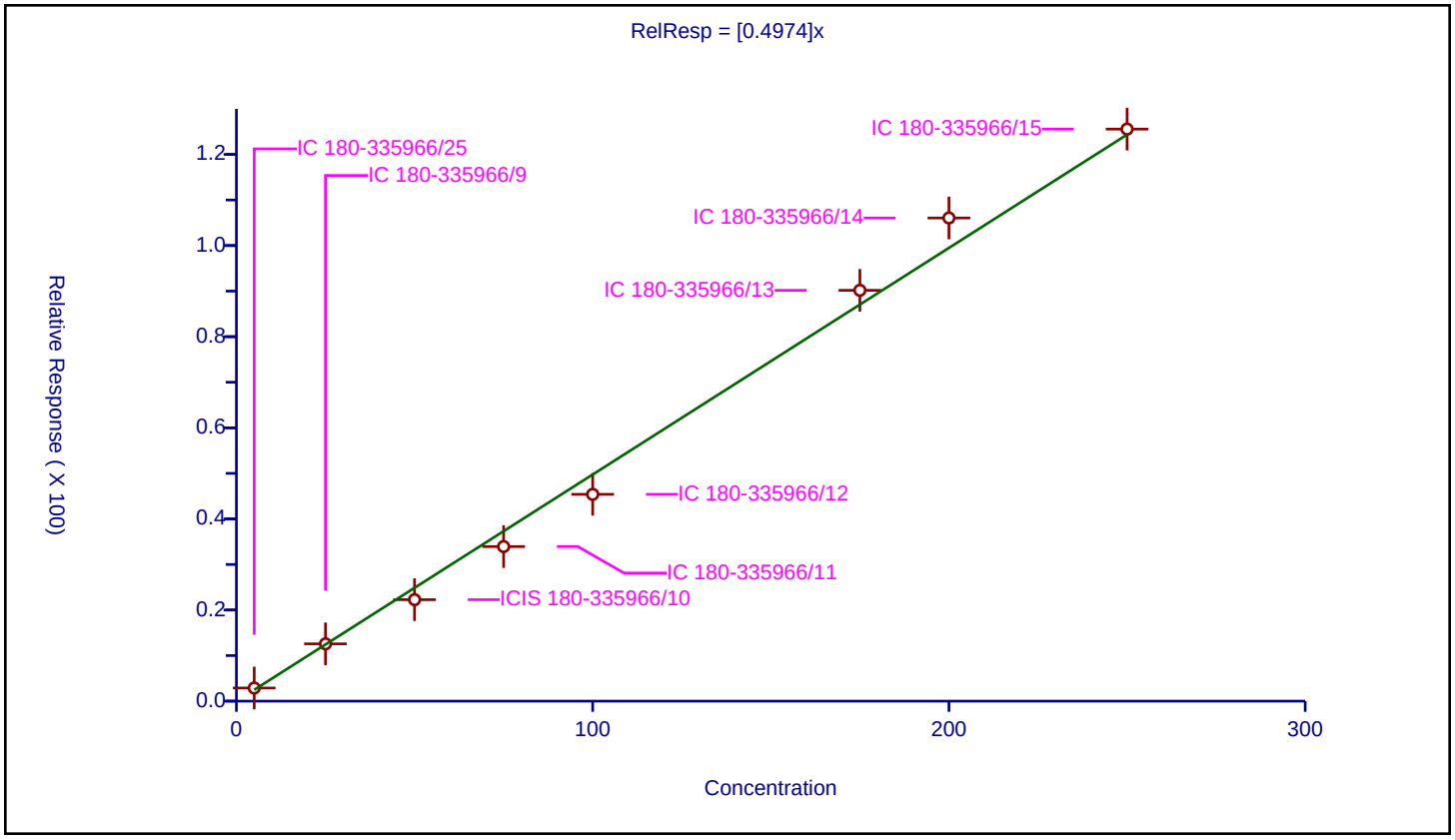
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	883000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.884068	50.0	399089.0	0.576814	Y
2	IC 180-335966/9	25.0	12.575276	50.0	608098.0	0.503011	Y
3	ICIS 180-335966/10	50.0	22.272723	50.0	659614.0	0.445454	Y
4	IC 180-335966/11	75.0	33.931008	50.0	633929.0	0.452413	Y
5	IC 180-335966/12	100.0	45.391625	50.0	603499.0	0.453916	Y
6	IC 180-335966/13	175.0	90.176864	50.0	557831.0	0.515296	Y
7	IC 180-335966/14	200.0	106.055196	50.0	596785.0	0.530276	Y
8	IC 180-335966/15	250.0	125.563309	50.0	597851.0	0.502253	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

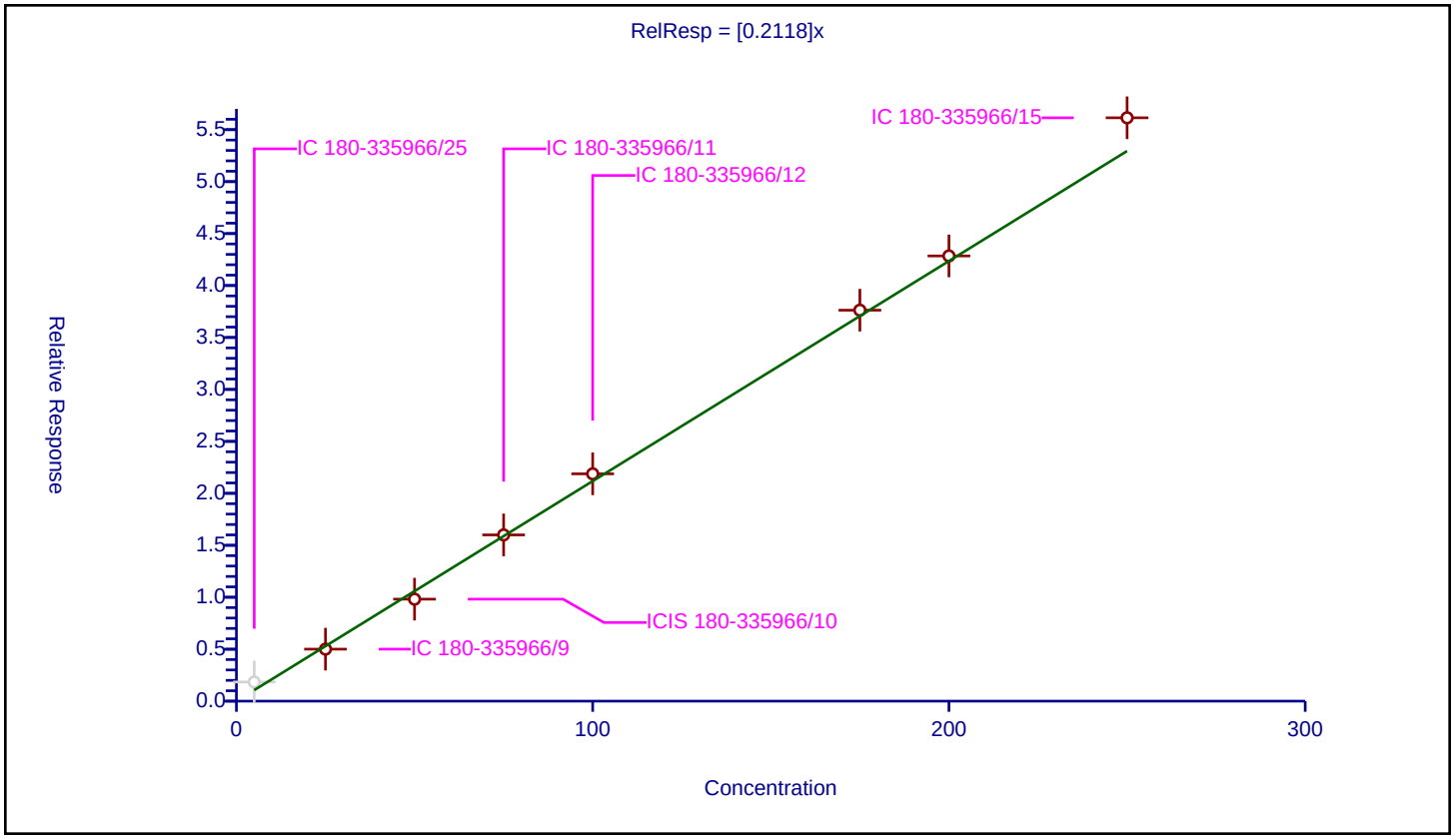
Curve Coefficients

Intercept:	0
Slope:	0.2118

Error Coefficients

Standard Error:	412000
Relative Standard Error:	4.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.842321	50.0	399089.0	0.368464	N
2	IC 180-335966/9	25.0	5.005114	50.0	608098.0	0.200205	Y
3	ICIS 180-335966/10	50.0	9.815059	50.0	659614.0	0.196301	Y
4	IC 180-335966/11	75.0	15.99911	50.0	633929.0	0.213321	Y
5	IC 180-335966/12	100.0	21.877998	50.0	603499.0	0.21878	Y
6	IC 180-335966/13	175.0	37.627077	50.0	557831.0	0.215012	Y
7	IC 180-335966/14	200.0	42.848011	50.0	596785.0	0.21424	Y
8	IC 180-335966/15	250.0	56.142668	50.0	597851.0	0.224571	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

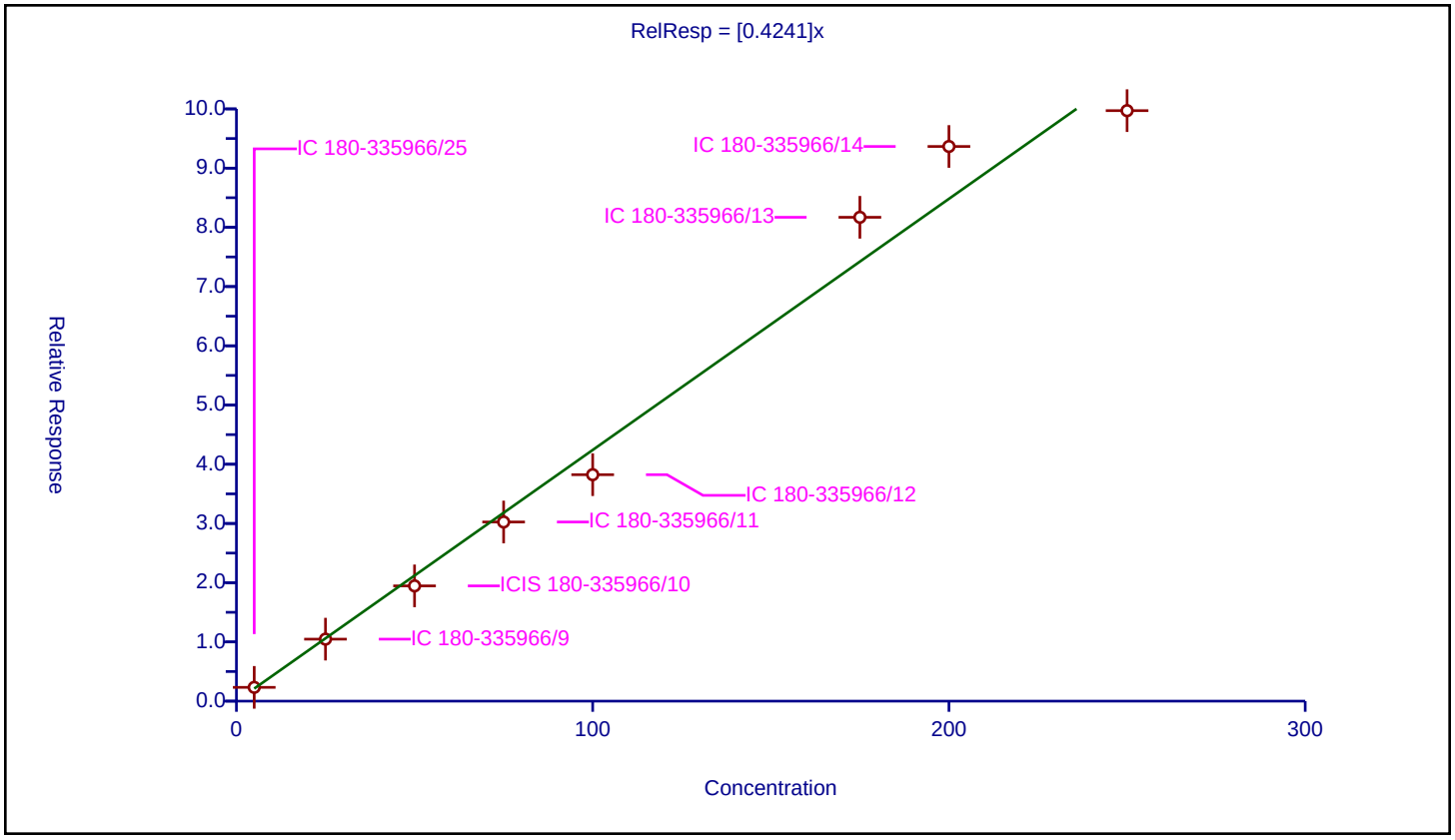
Curve Coefficients

Intercept:	0
Slope:	0.4241

Error Coefficients

Standard Error:	751000
Relative Standard Error:	8.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.325045	50.0	399089.0	0.465009	Y
2	IC 180-335966/9	25.0	10.466981	50.0	608098.0	0.418679	Y
3	ICIS 180-335966/10	50.0	19.462671	50.0	659614.0	0.389253	Y
4	IC 180-335966/11	75.0	30.251258	50.0	633929.0	0.40335	Y
5	IC 180-335966/12	100.0	38.234612	50.0	603499.0	0.382346	Y
6	IC 180-335966/13	175.0	81.69831	50.0	557831.0	0.466847	Y
7	IC 180-335966/14	200.0	93.652991	50.0	596785.0	0.468265	Y
8	IC 180-335966/15	250.0	99.701849	50.0	597851.0	0.398807	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

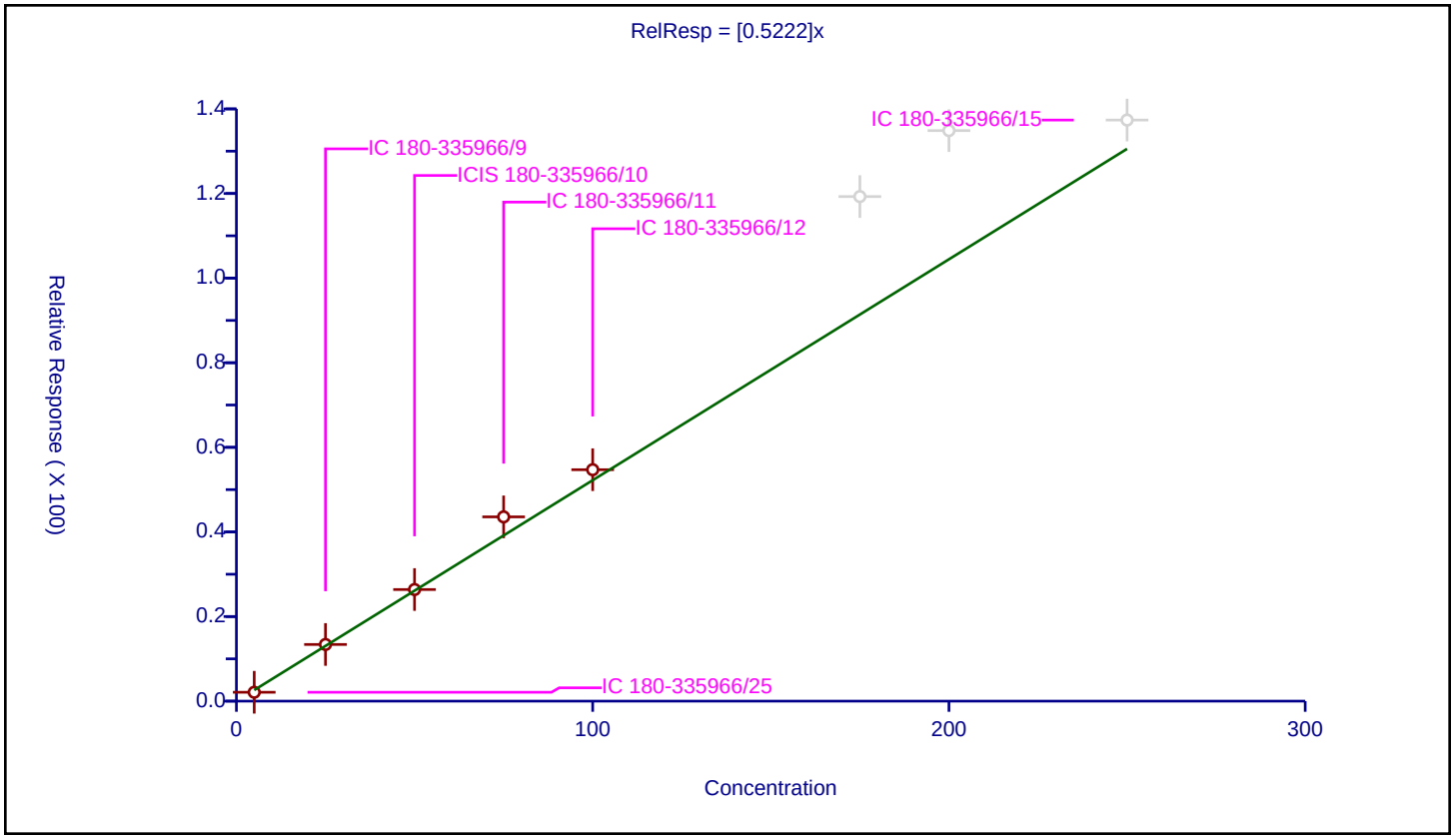
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Standard Error:	471000
Relative Standard Error:	11.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.099281	50.0	399089.0	0.419856	Y
2	IC 180-335966/9	25.0	13.394634	50.0	608098.0	0.535785	Y
3	ICIS 180-335966/10	50.0	26.380201	50.0	659614.0	0.527604	Y
4	IC 180-335966/11	75.0	43.557402	50.0	633929.0	0.580765	Y
5	IC 180-335966/12	100.0	54.707961	50.0	603499.0	0.54708	Y
6	IC 180-335966/13	175.0	119.272683	50.0	557831.0	0.681558	N
7	IC 180-335966/14	200.0	134.866912	50.0	596785.0	0.674335	N
8	IC 180-335966/15	250.0	137.363657	50.0	597851.0	0.549455	N



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

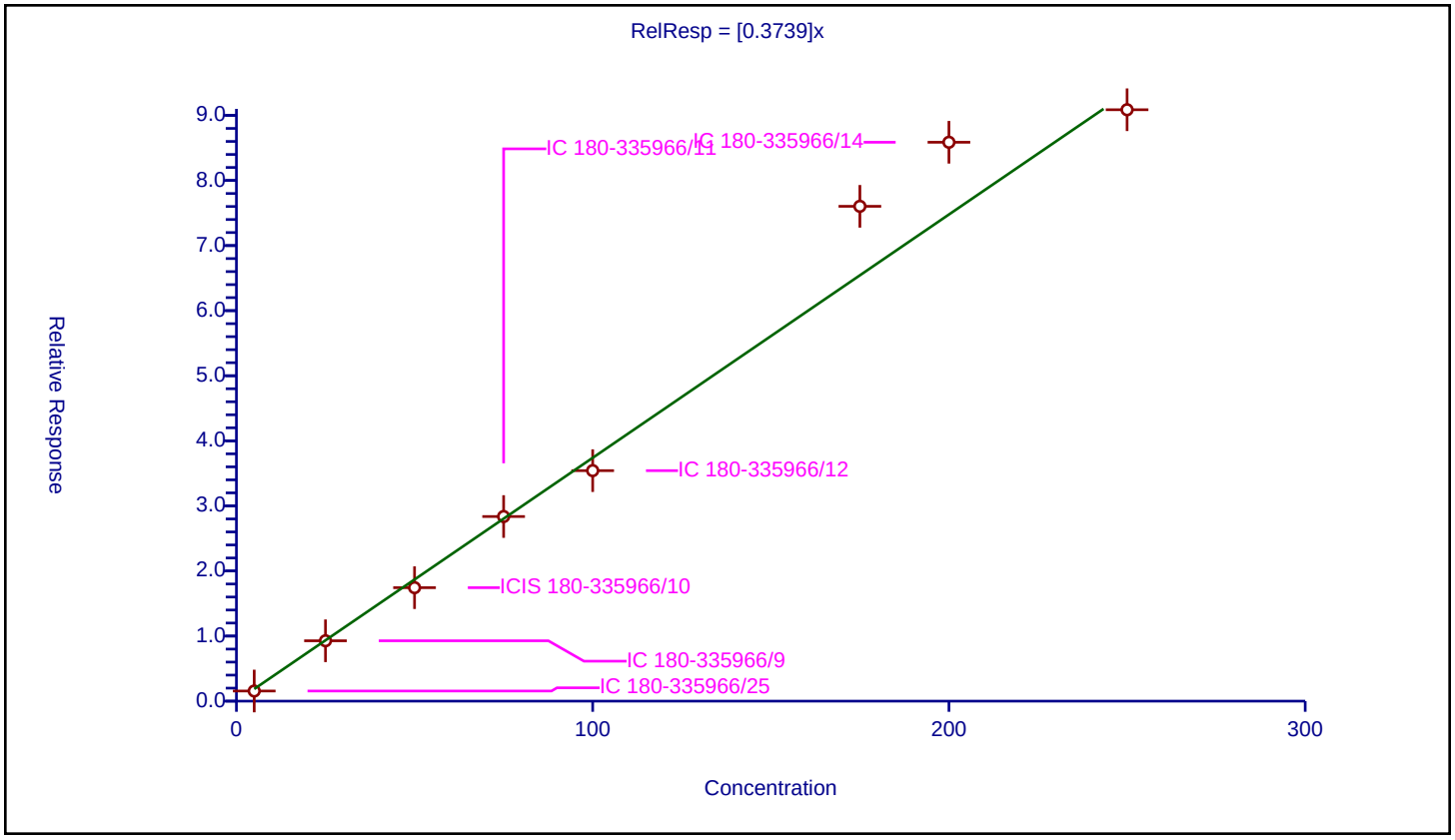
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Standard Error:	689000
Relative Standard Error:	11.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.558299	50.0	399089.0	0.31166	Y
2	IC 180-335966/9	25.0	9.274245	50.0	608098.0	0.37097	Y
3	ICIS 180-335966/10	50.0	17.433984	50.0	659614.0	0.34868	Y
4	IC 180-335966/11	75.0	28.365953	50.0	633929.0	0.378213	Y
5	IC 180-335966/12	100.0	35.415552	50.0	603499.0	0.354156	Y
6	IC 180-335966/13	175.0	76.030375	50.0	557831.0	0.434459	Y
7	IC 180-335966/14	200.0	85.870791	50.0	596785.0	0.429354	Y
8	IC 180-335966/15	250.0	90.869464	50.0	597851.0	0.363478	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

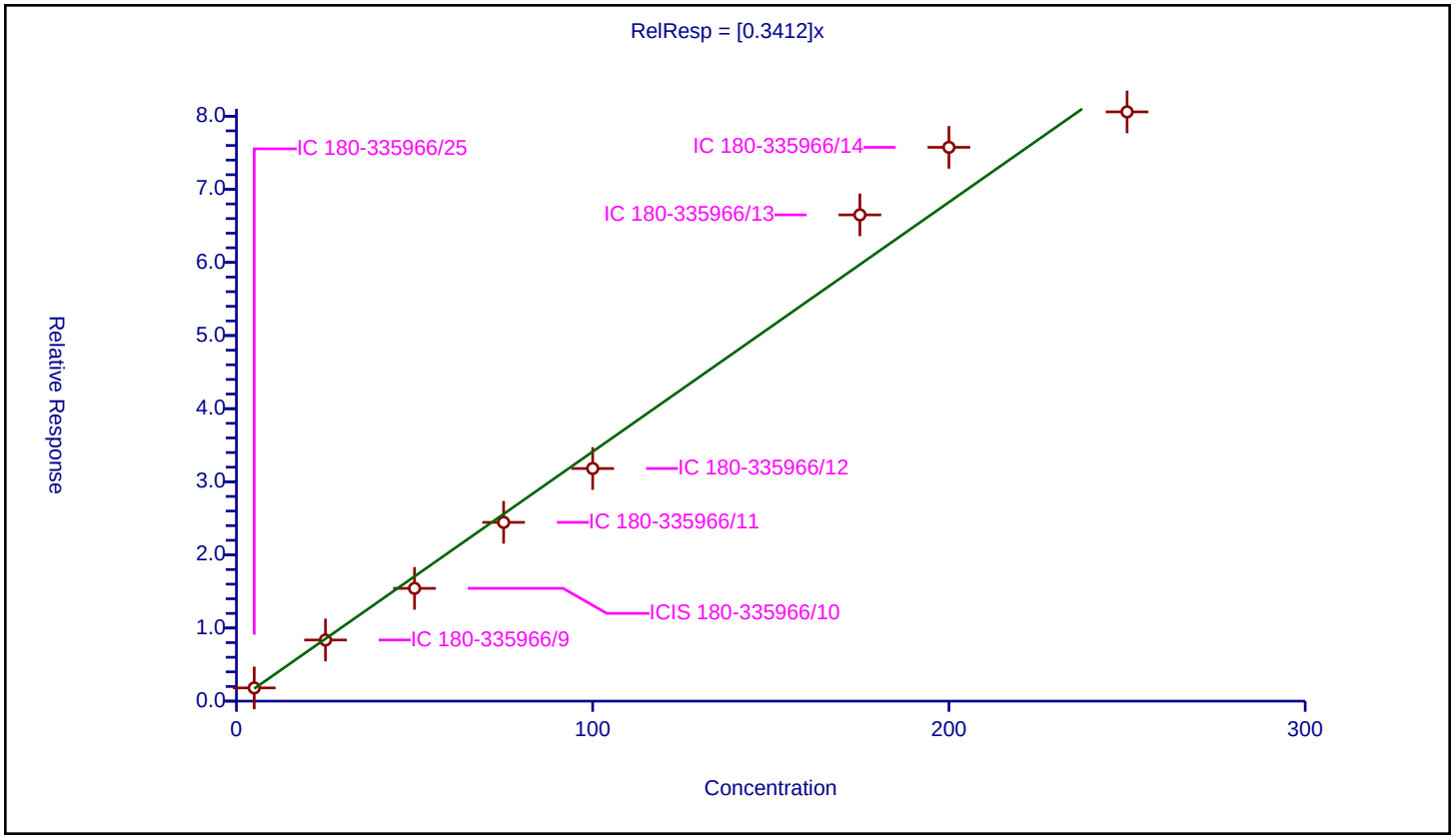
Curve Coefficients

Intercept:	0
Slope:	0.3412

Error Coefficients

Standard Error:	608000
Relative Standard Error:	8.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.806865	50.0	399089.0	0.361373	Y
2	IC 180-335966/9	25.0	8.362221	50.0	608098.0	0.334489	Y
3	ICIS 180-335966/10	50.0	15.424703	50.0	659614.0	0.308494	Y
4	IC 180-335966/11	75.0	24.450214	50.0	633929.0	0.326003	Y
5	IC 180-335966/12	100.0	31.816208	50.0	603499.0	0.318162	Y
6	IC 180-335966/13	175.0	66.506971	50.0	557831.0	0.38004	Y
7	IC 180-335966/14	200.0	75.744782	50.0	596785.0	0.378724	Y
8	IC 180-335966/15	250.0	80.593492	50.0	597851.0	0.322374	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

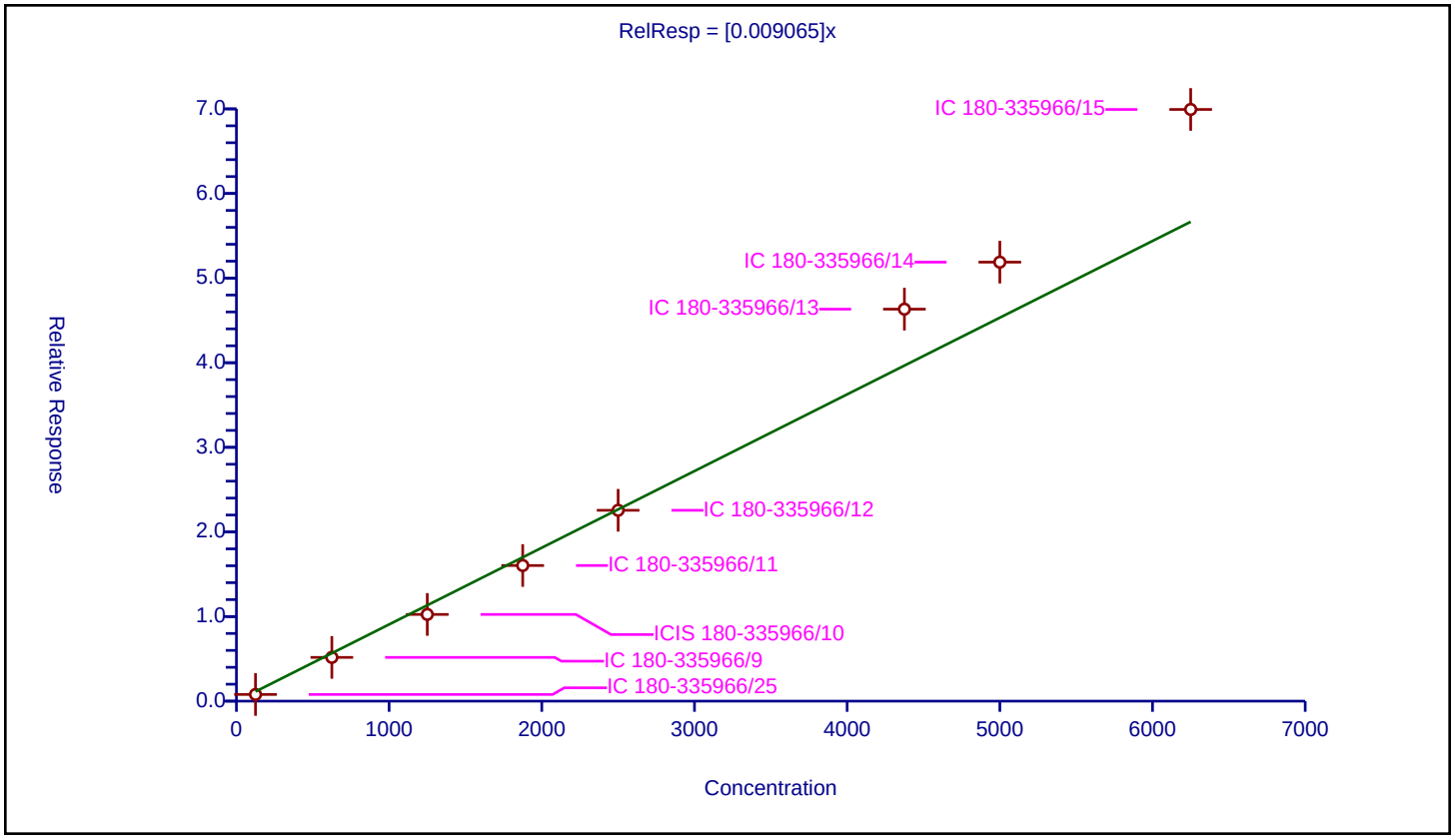
Curve Coefficients

Intercept:	0
Slope:	0.009065

Error Coefficients

Standard Error:	461000
Relative Standard Error:	17.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	125.0	0.789548	50.0	399089.0	0.006316	Y
2	IC 180-335966/9	625.0	5.171535	50.0	608098.0	0.008274	Y
3	ICIS 180-335966/10	1250.0	10.249631	50.0	659614.0	0.0082	Y
4	IC 180-335966/11	1875.0	16.031212	50.0	633929.0	0.00855	Y
5	IC 180-335966/12	2500.0	22.55563	50.0	603499.0	0.009022	Y
6	IC 180-335966/13	4375.0	46.329623	50.0	557831.0	0.01059	Y
7	IC 180-335966/14	5000.0	51.885269	50.0	596785.0	0.010377	Y
8	IC 180-335966/15	6250.0	69.935067	50.0	597851.0	0.01119	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

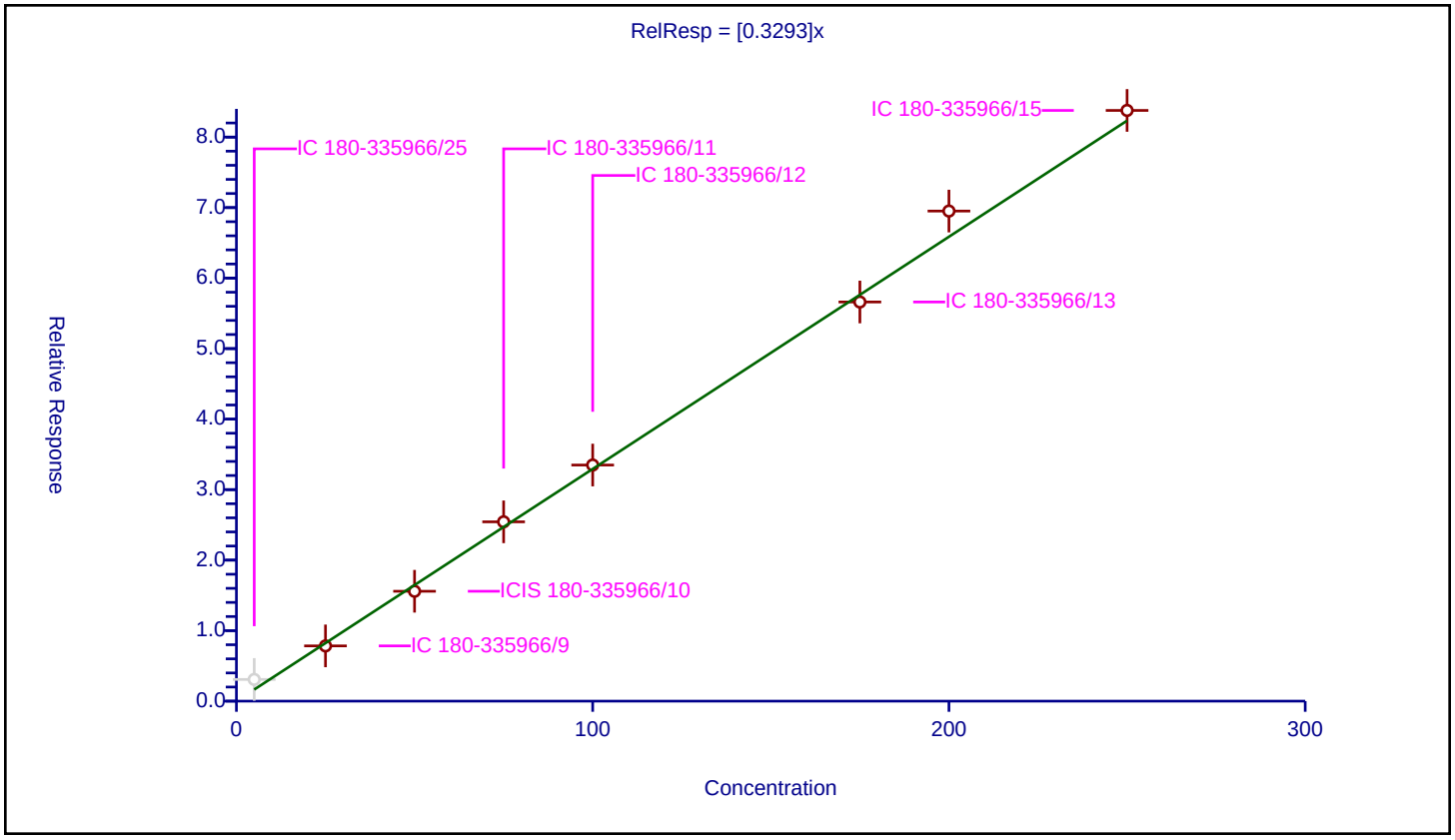
Curve Coefficients

Intercept:	0
Slope:	0.3293

Error Coefficients

Standard Error:	634000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.07776	50.0	399089.0	0.615552	N
2	IC 180-335966/9	25.0	7.834675	50.0	608098.0	0.313387	Y
3	ICIS 180-335966/10	50.0	15.583963	50.0	659614.0	0.311679	Y
4	IC 180-335966/11	75.0	25.432422	50.0	633929.0	0.339099	Y
5	IC 180-335966/12	100.0	33.487297	50.0	603499.0	0.334873	Y
6	IC 180-335966/13	175.0	56.612487	50.0	557831.0	0.3235	Y
7	IC 180-335966/14	200.0	69.510544	50.0	596785.0	0.347553	Y
8	IC 180-335966/15	250.0	83.782079	50.0	597851.0	0.335128	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

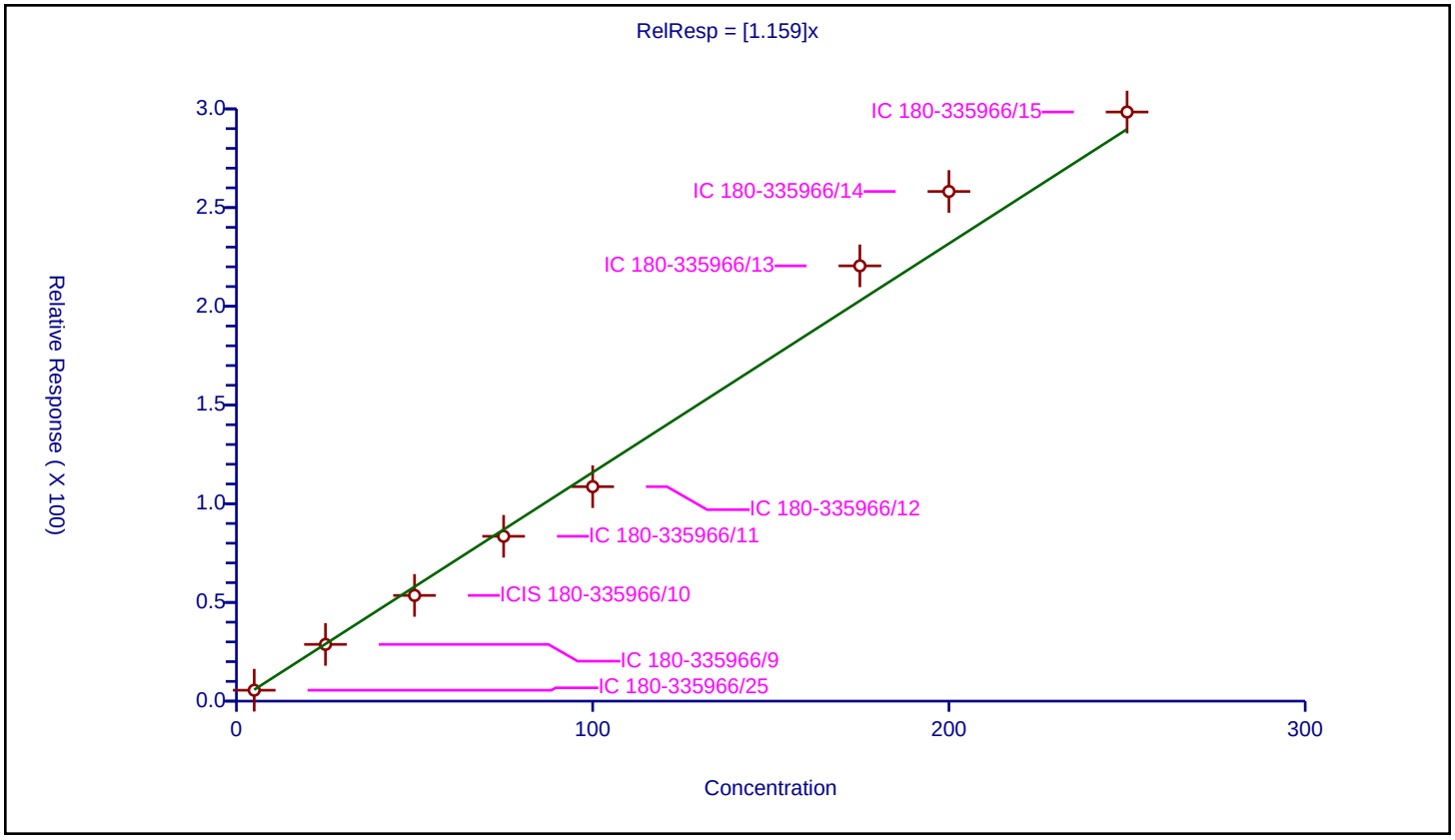
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.531473	50.0	399089.0	1.106295	Y
2	IC 180-335966/9	25.0	28.740351	50.0	608098.0	1.149614	Y
3	ICIS 180-335966/10	50.0	53.558521	50.0	659614.0	1.07117	Y
4	IC 180-335966/11	75.0	83.505172	50.0	633929.0	1.113402	Y
5	IC 180-335966/12	100.0	108.641108	50.0	603499.0	1.086411	Y
6	IC 180-335966/13	175.0	220.502088	50.0	557831.0	1.260012	Y
7	IC 180-335966/14	200.0	258.170447	50.0	596785.0	1.290852	Y
8	IC 180-335966/15	250.0	298.420175	50.0	597851.0	1.193681	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

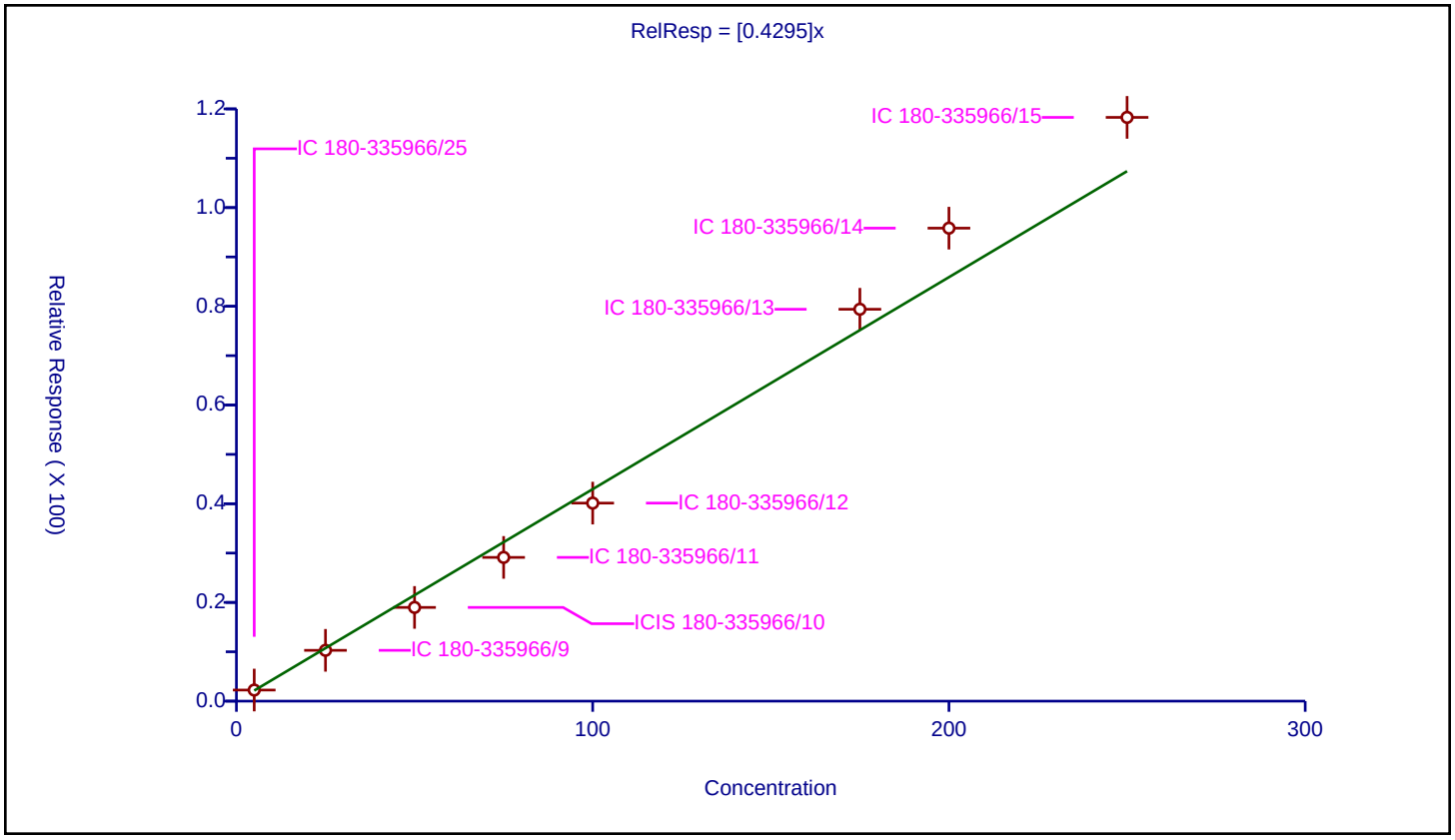
Curve Coefficients

Intercept:	0
Slope:	0.4295

Error Coefficients

Standard Error:	806000
Relative Standard Error:	9.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.244988	50.0	399089.0	0.448998	Y
2	IC 180-335966/9	25.0	10.293242	50.0	608098.0	0.41173	Y
3	ICIS 180-335966/10	50.0	18.989818	50.0	659614.0	0.379796	Y
4	IC 180-335966/11	75.0	29.120296	50.0	633929.0	0.388271	Y
5	IC 180-335966/12	100.0	40.127573	50.0	603499.0	0.401276	Y
6	IC 180-335966/13	175.0	79.40317	50.0	557831.0	0.453732	Y
7	IC 180-335966/14	200.0	95.831665	50.0	596785.0	0.479158	Y
8	IC 180-335966/15	250.0	118.276126	50.0	597851.0	0.473105	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

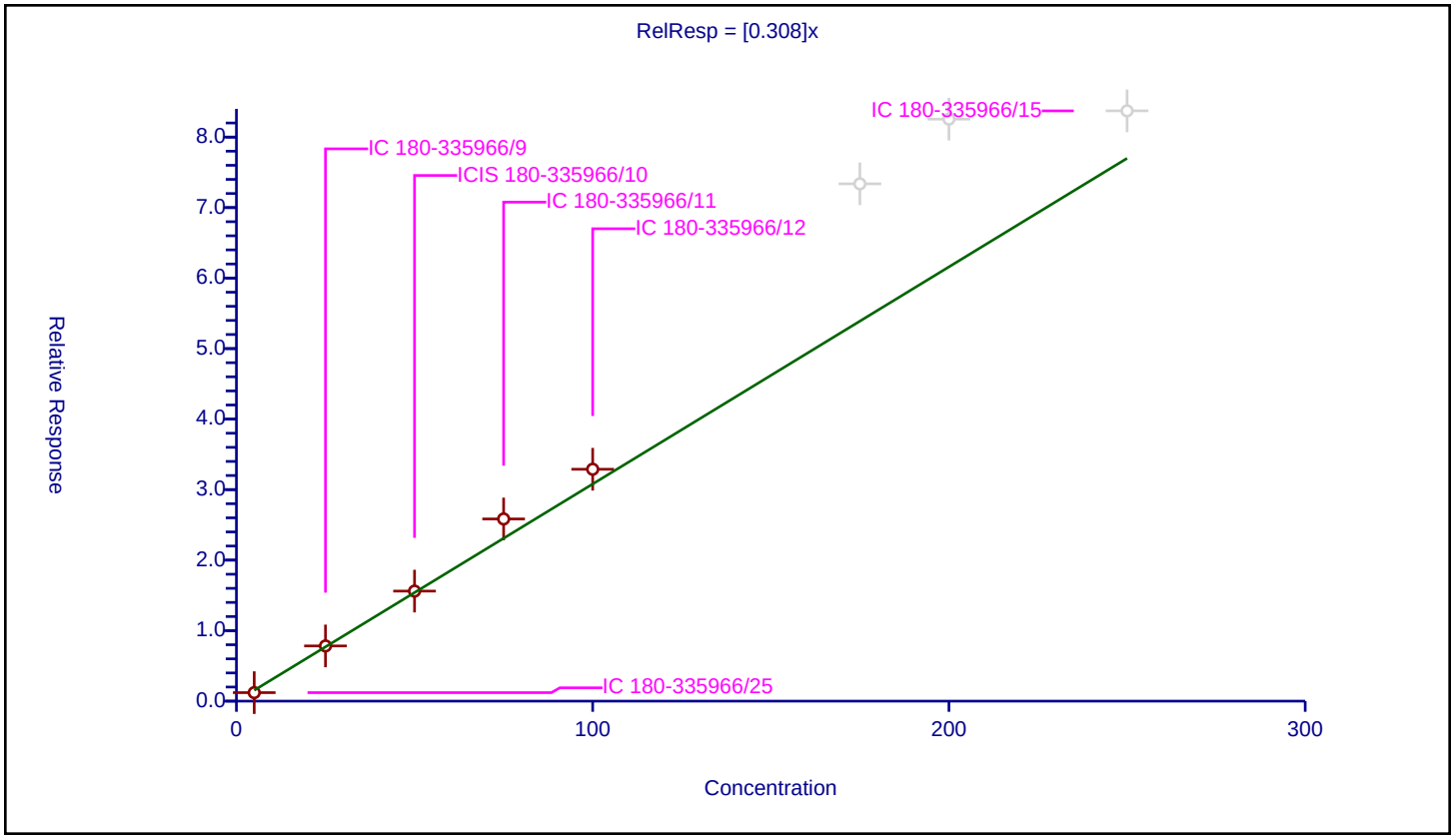
Curve Coefficients

Intercept:	0
Slope:	0.308

Error Coefficients

Standard Error:	281000
Relative Standard Error:	12.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.205496	50.0	399089.0	0.241099	Y
2	IC 180-335966/9	25.0	7.827603	50.0	608098.0	0.313104	Y
3	ICIS 180-335966/10	50.0	15.607461	50.0	659614.0	0.312149	Y
4	IC 180-335966/11	75.0	25.841064	50.0	633929.0	0.344548	Y
5	IC 180-335966/12	100.0	32.891107	50.0	603499.0	0.328911	Y
6	IC 180-335966/13	175.0	73.371326	50.0	557831.0	0.419265	N
7	IC 180-335966/14	200.0	82.544551	50.0	596785.0	0.412723	N
8	IC 180-335966/15	250.0	83.72086	50.0	597851.0	0.334883	N



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

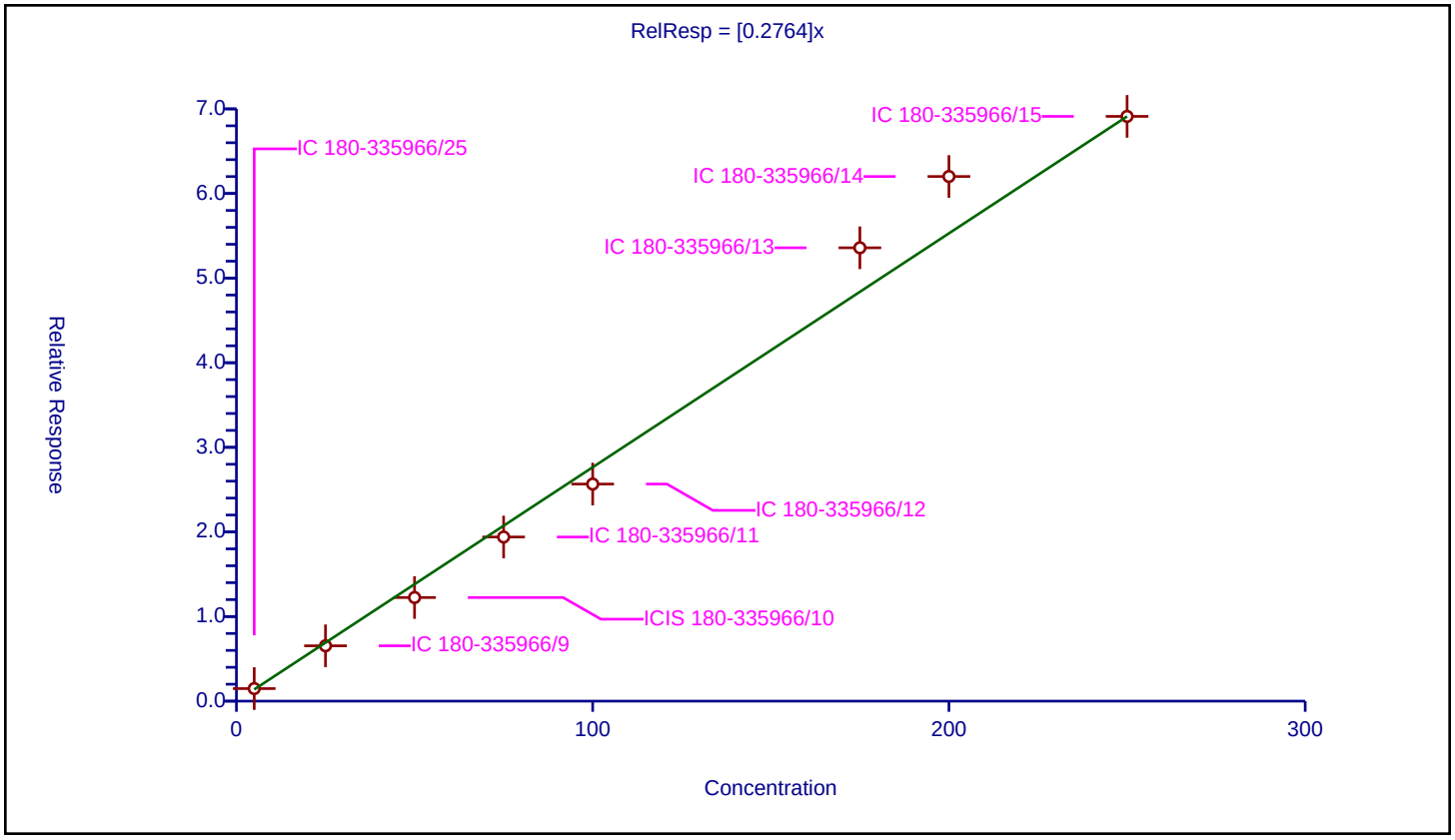
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	504000
Relative Standard Error:	9.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.485634	50.0	399089.0	0.297127	Y
2	IC 180-335966/9	25.0	6.53842	50.0	608098.0	0.261537	Y
3	ICIS 180-335966/10	50.0	12.246935	50.0	659614.0	0.244939	Y
4	IC 180-335966/11	75.0	19.40028	50.0	633929.0	0.25867	Y
5	IC 180-335966/12	100.0	25.656546	50.0	603499.0	0.256565	Y
6	IC 180-335966/13	175.0	53.581909	50.0	557831.0	0.306182	Y
7	IC 180-335966/14	200.0	62.011947	50.0	596785.0	0.31006	Y
8	IC 180-335966/15	250.0	69.11396	50.0	597851.0	0.276456	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

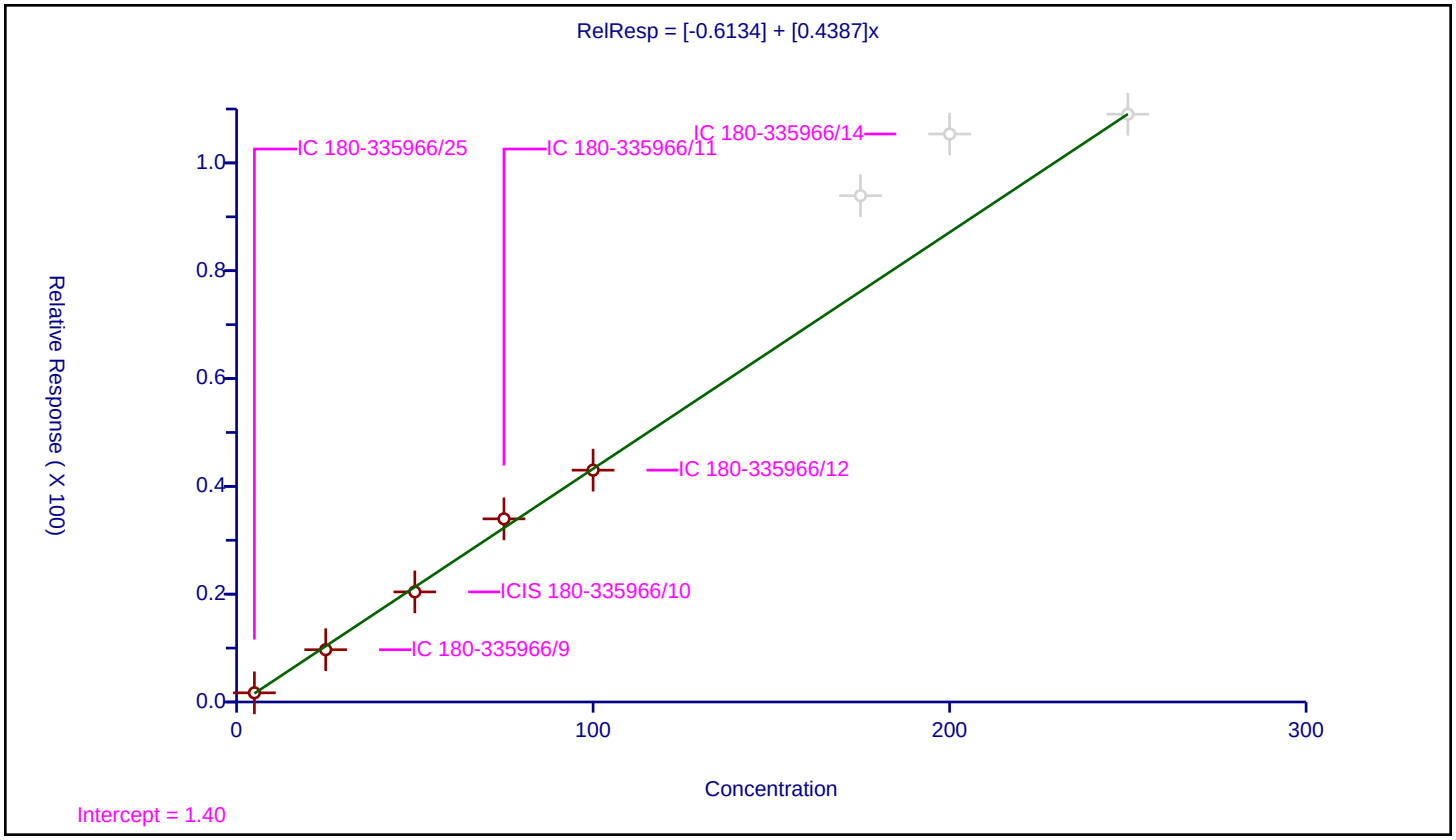
Curve Coefficients

Intercept:	-0.6134
Slope:	0.4387

Error Coefficients

Standard Error:	425000
Relative Standard Error:	6.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.701625	50.0	399089.0	0.340325	Y
2	IC 180-335966/9	25.0	9.697203	50.0	608098.0	0.387888	Y
3	ICIS 180-335966/10	50.0	20.424218	50.0	659614.0	0.408484	Y
4	IC 180-335966/11	75.0	33.974546	50.0	633929.0	0.452994	Y
5	IC 180-335966/12	100.0	43.005954	50.0	603499.0	0.43006	Y
6	IC 180-335966/13	175.0	93.92065	50.0	557831.0	0.536689	N
7	IC 180-335966/14	200.0	105.366673	50.0	596785.0	0.526833	N
8	IC 180-335966/15	250.0	109.030929	50.0	597851.0	0.436124	N



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

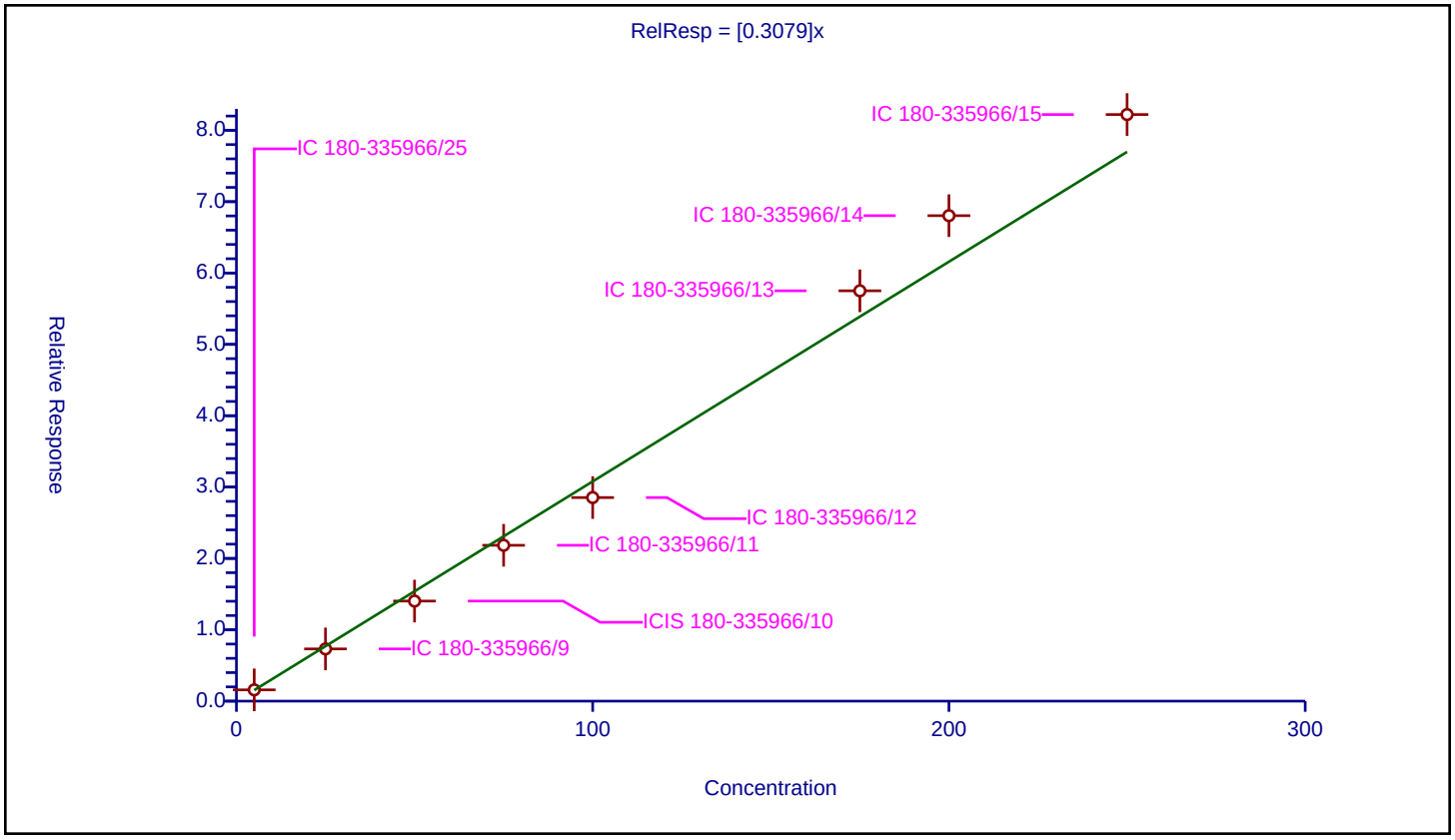
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Standard Error:	570000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.579472	50.0	399089.0	0.315894	Y
2	IC 180-335966/9	25.0	7.319379	50.0	608098.0	0.292775	Y
3	ICIS 180-335966/10	50.0	14.024945	50.0	659614.0	0.280499	Y
4	IC 180-335966/11	75.0	21.841168	50.0	633929.0	0.291216	Y
5	IC 180-335966/12	100.0	28.531199	50.0	603499.0	0.285312	Y
6	IC 180-335966/13	175.0	57.504513	50.0	557831.0	0.328597	Y
7	IC 180-335966/14	200.0	68.037568	50.0	596785.0	0.340188	Y
8	IC 180-335966/15	250.0	82.20928	50.0	597851.0	0.328837	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

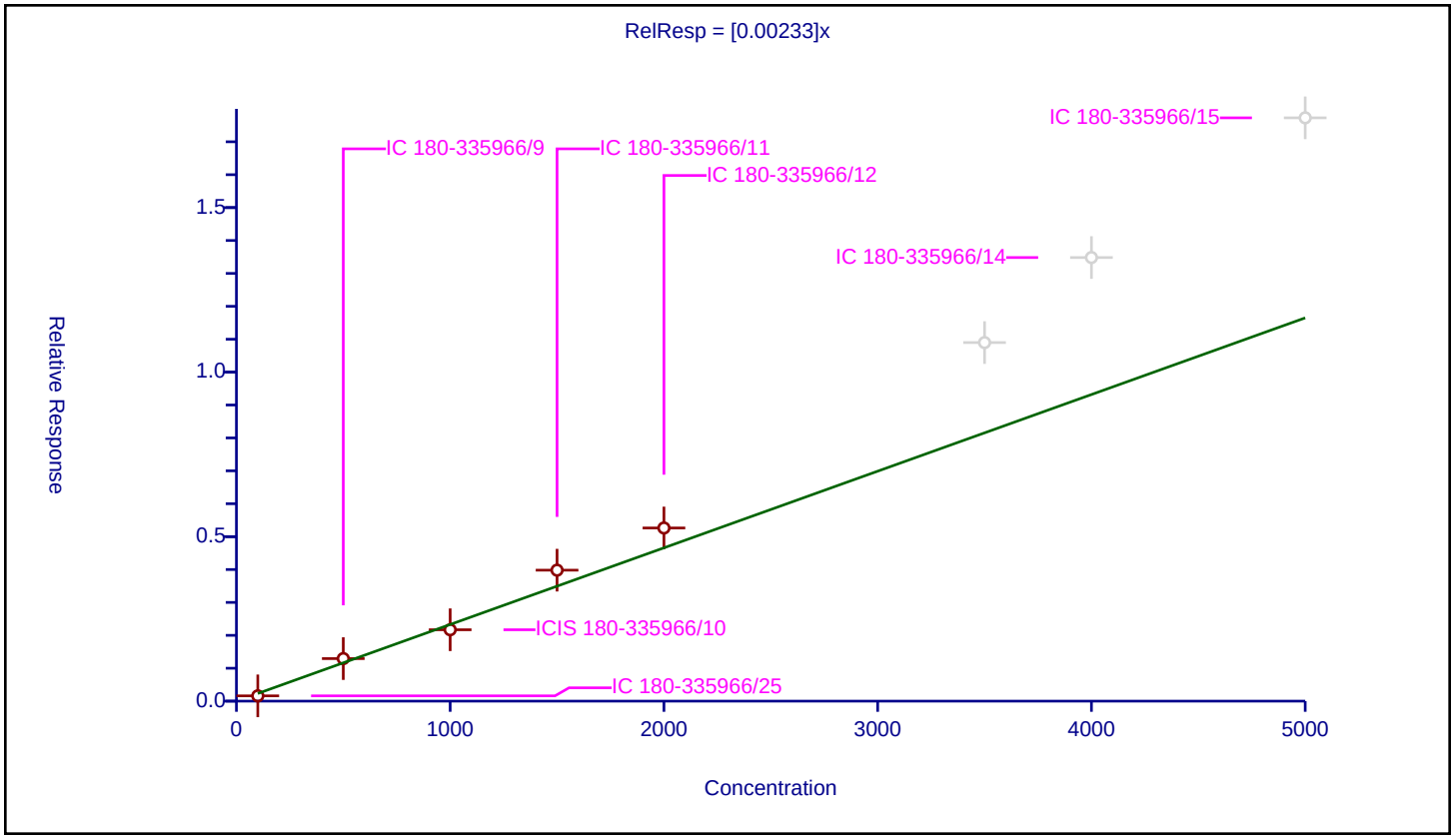
Curve Coefficients

Intercept:	0
Slope:	0.00233

Error Coefficients

Standard Error:	43700
Relative Standard Error:	19.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	100.0	0.160616	50.0	399089.0	0.001606	Y
2	IC 180-335966/9	500.0	1.293459	50.0	608098.0	0.002587	Y
3	ICIS 180-335966/10	1000.0	2.170133	50.0	659614.0	0.00217	Y
4	IC 180-335966/11	1500.0	3.980493	50.0	633929.0	0.002654	Y
5	IC 180-335966/12	2000.0	5.262975	50.0	603499.0	0.002631	Y
6	IC 180-335966/13	3500.0	10.897476	50.0	557831.0	0.003114	N
7	IC 180-335966/14	4000.0	13.481907	50.0	596785.0	0.00337	N
8	IC 180-335966/15	5000.0	17.728414	50.0	597851.0	0.003546	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

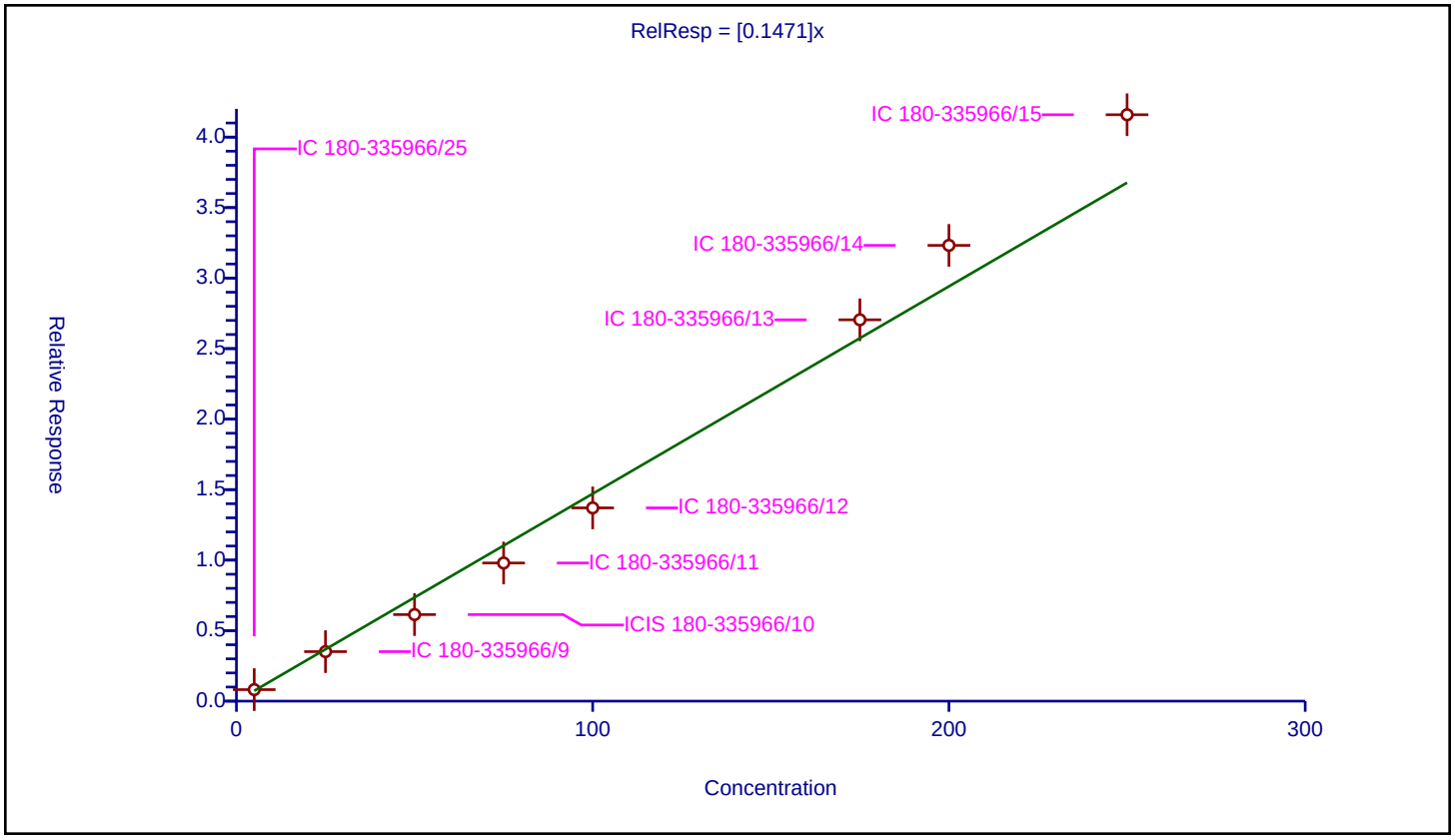
Curve Coefficients

Intercept:	0
Slope:	0.1471

Error Coefficients

Standard Error:	277000
Relative Standard Error:	11.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.816234	50.0	399089.0	0.163247	Y
2	IC 180-335966/9	25.0	3.510701	50.0	608098.0	0.140428	Y
3	ICIS 180-335966/10	50.0	6.136695	50.0	659614.0	0.122734	Y
4	IC 180-335966/11	75.0	9.797075	50.0	633929.0	0.130628	Y
5	IC 180-335966/12	100.0	13.703917	50.0	603499.0	0.137039	Y
6	IC 180-335966/13	175.0	27.042061	50.0	557831.0	0.154526	Y
7	IC 180-335966/14	200.0	32.322193	50.0	596785.0	0.161611	Y
8	IC 180-335966/15	250.0	41.587034	50.0	597851.0	0.166348	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

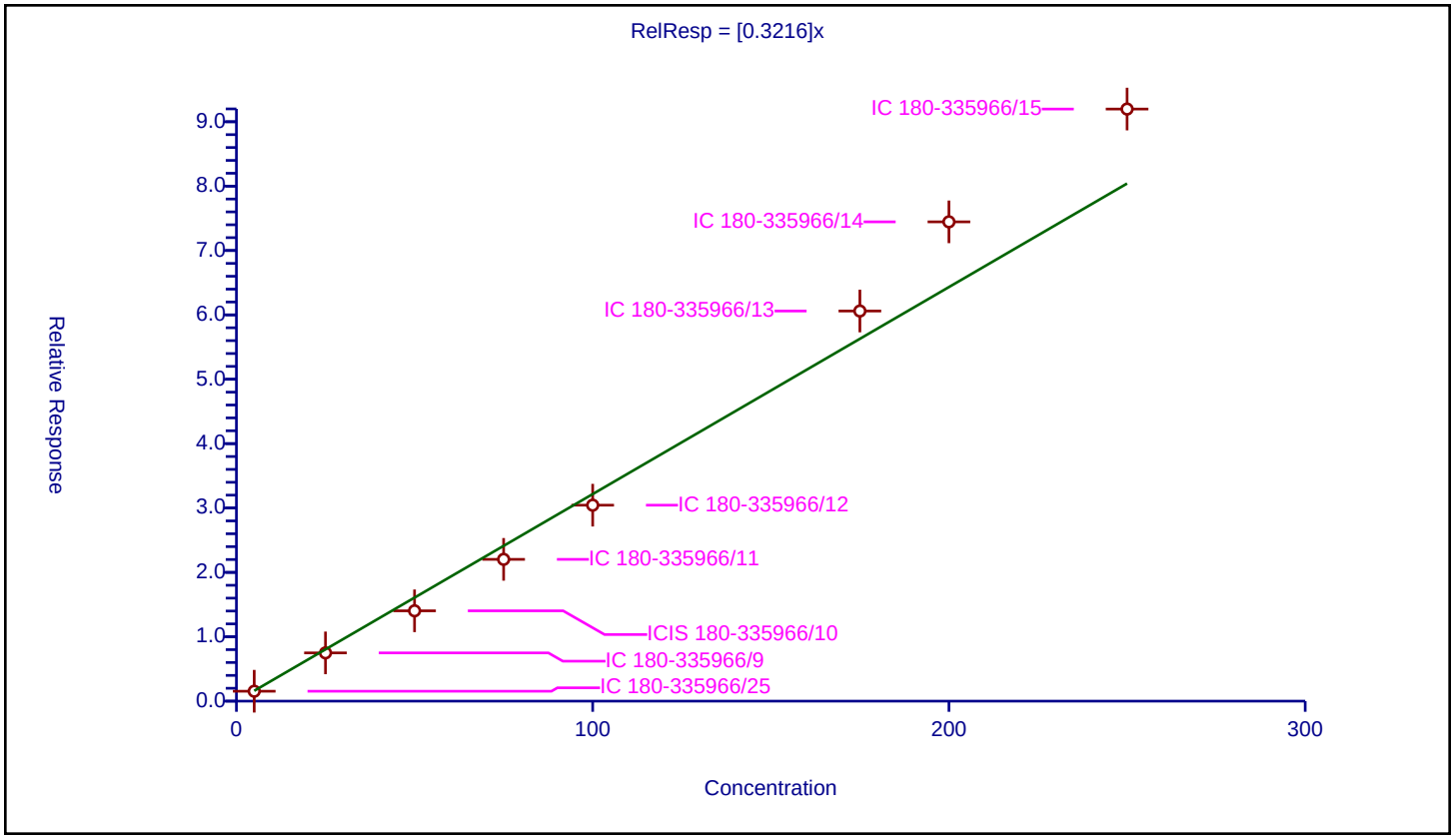
Curve Coefficients

Intercept:	0
Slope:	0.3216

Error Coefficients

Standard Error:	622000
Relative Standard Error:	11.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.540133	50.0	399089.0	0.308027	Y
2	IC 180-335966/9	25.0	7.495009	50.0	608098.0	0.2998	Y
3	ICIS 180-335966/10	50.0	14.030782	50.0	659614.0	0.280616	Y
4	IC 180-335966/11	75.0	22.024391	50.0	633929.0	0.293659	Y
5	IC 180-335966/12	100.0	30.441807	50.0	603499.0	0.304418	Y
6	IC 180-335966/13	175.0	60.601508	50.0	557831.0	0.346294	Y
7	IC 180-335966/14	200.0	74.452106	50.0	596785.0	0.372261	Y
8	IC 180-335966/15	250.0	91.977014	50.0	597851.0	0.367908	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

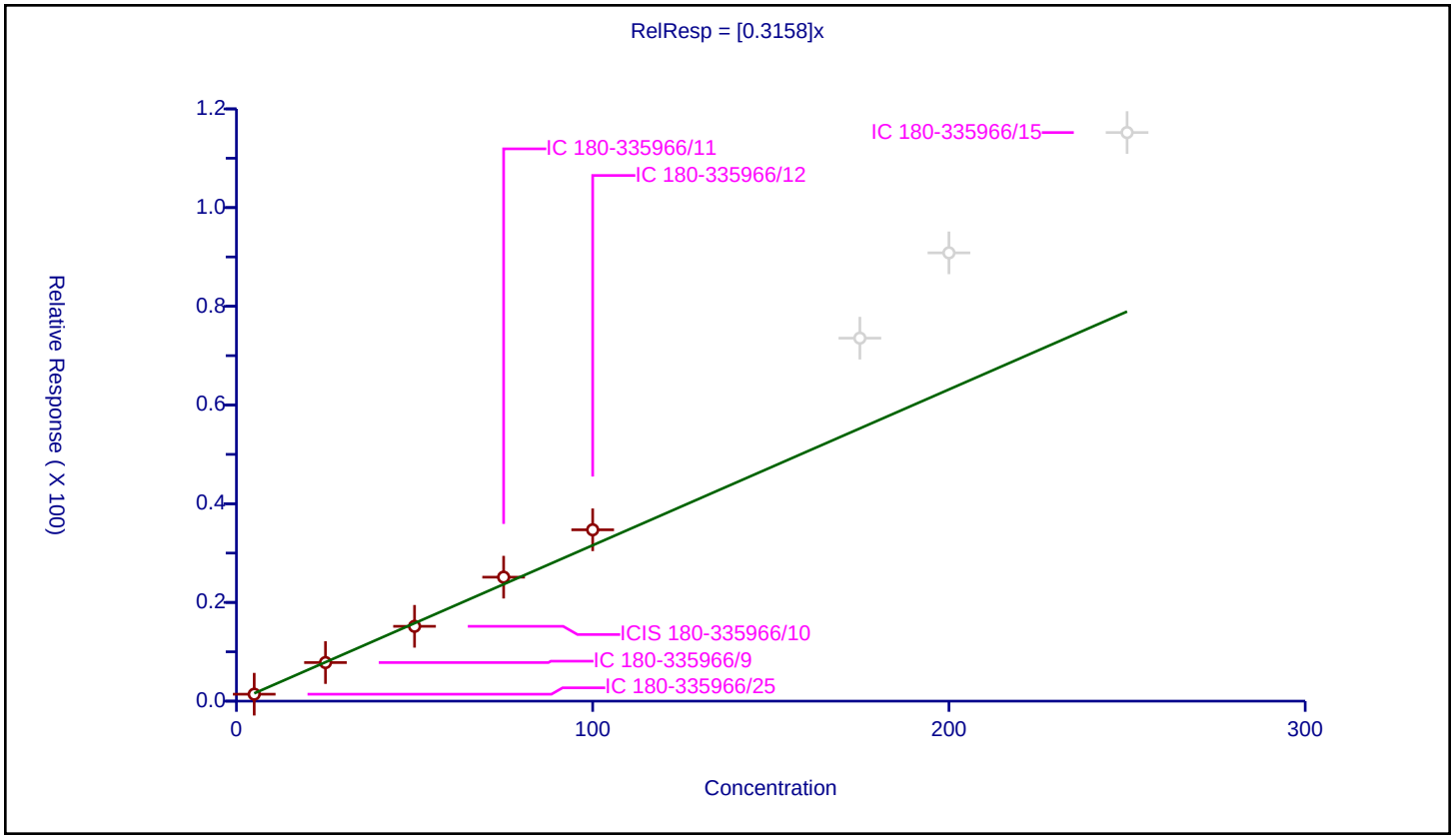
Curve Coefficients

Intercept:	0
Slope:	0.3158

Error Coefficients

Standard Error:	286000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.404323	50.0	399089.0	0.280865	Y
2	IC 180-335966/9	25.0	7.816585	50.0	608098.0	0.312663	Y
3	ICIS 180-335966/10	50.0	15.159017	50.0	659614.0	0.30318	Y
4	IC 180-335966/11	75.0	25.120715	50.0	633929.0	0.334943	Y
5	IC 180-335966/12	100.0	34.717705	50.0	603499.0	0.347177	Y
6	IC 180-335966/13	175.0	73.545662	50.0	557831.0	0.420261	N
7	IC 180-335966/14	200.0	90.830031	50.0	596785.0	0.45415	N
8	IC 180-335966/15	250.0	115.206464	50.0	597851.0	0.460826	N



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

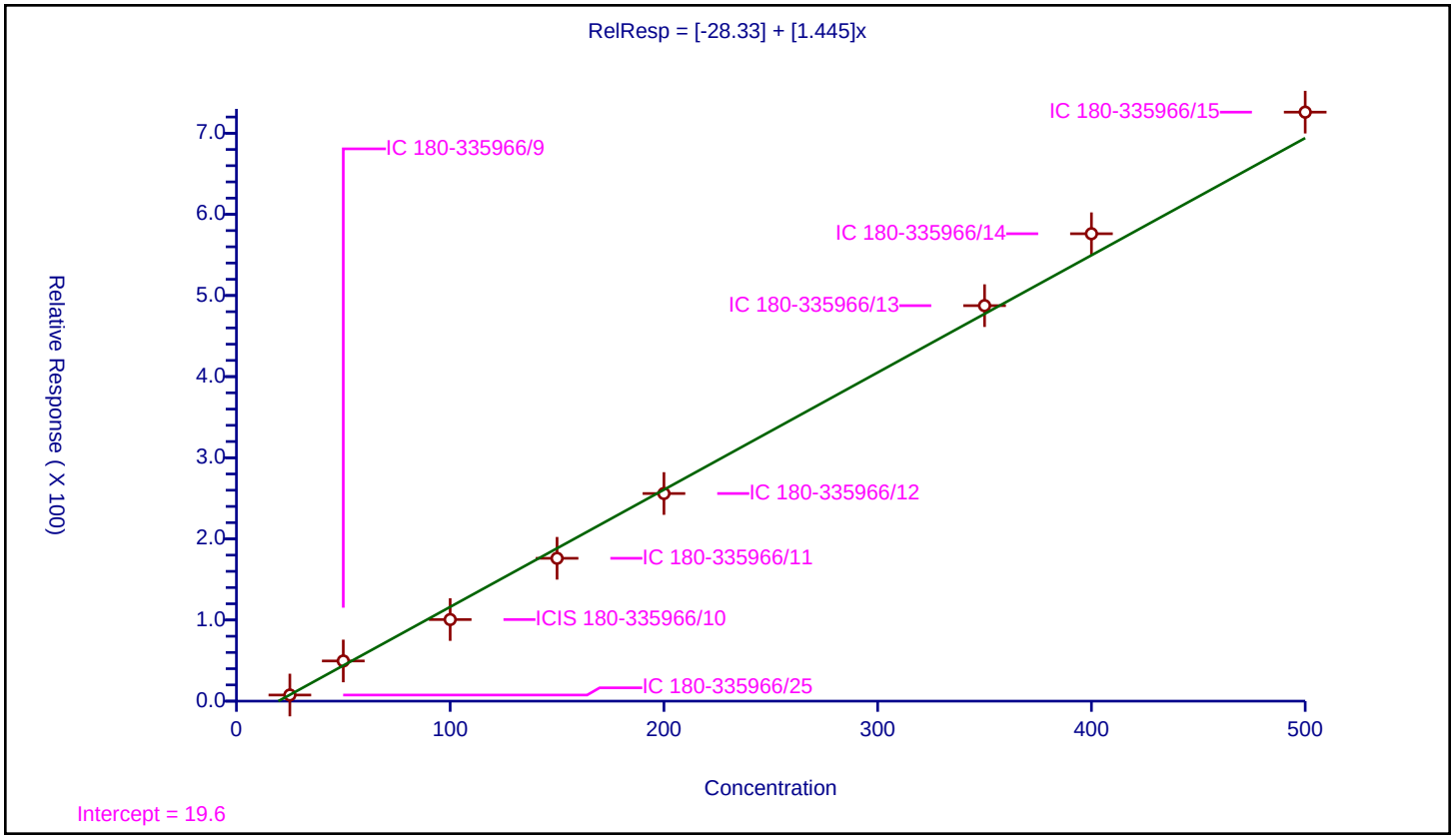
Curve Coefficients

Intercept:	-28.33
Slope:	1.445

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	7.545627	50.0	78244.0	0.301825	Y
2	IC 180-335966/9	50.0	49.510226	50.0	123118.0	0.990205	Y
3	ICIS 180-335966/10	100.0	100.567095	50.0	137014.0	1.005671	Y
4	IC 180-335966/11	150.0	176.092561	50.0	124135.0	1.17395	Y
5	IC 180-335966/12	200.0	255.931395	50.0	123664.0	1.279657	Y
6	IC 180-335966/13	350.0	487.47801	50.0	119941.0	1.392794	Y
7	IC 180-335966/14	400.0	576.121921	50.0	132184.0	1.440305	Y
8	IC 180-335966/15	500.0	725.982852	50.0	135295.0	1.451966	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

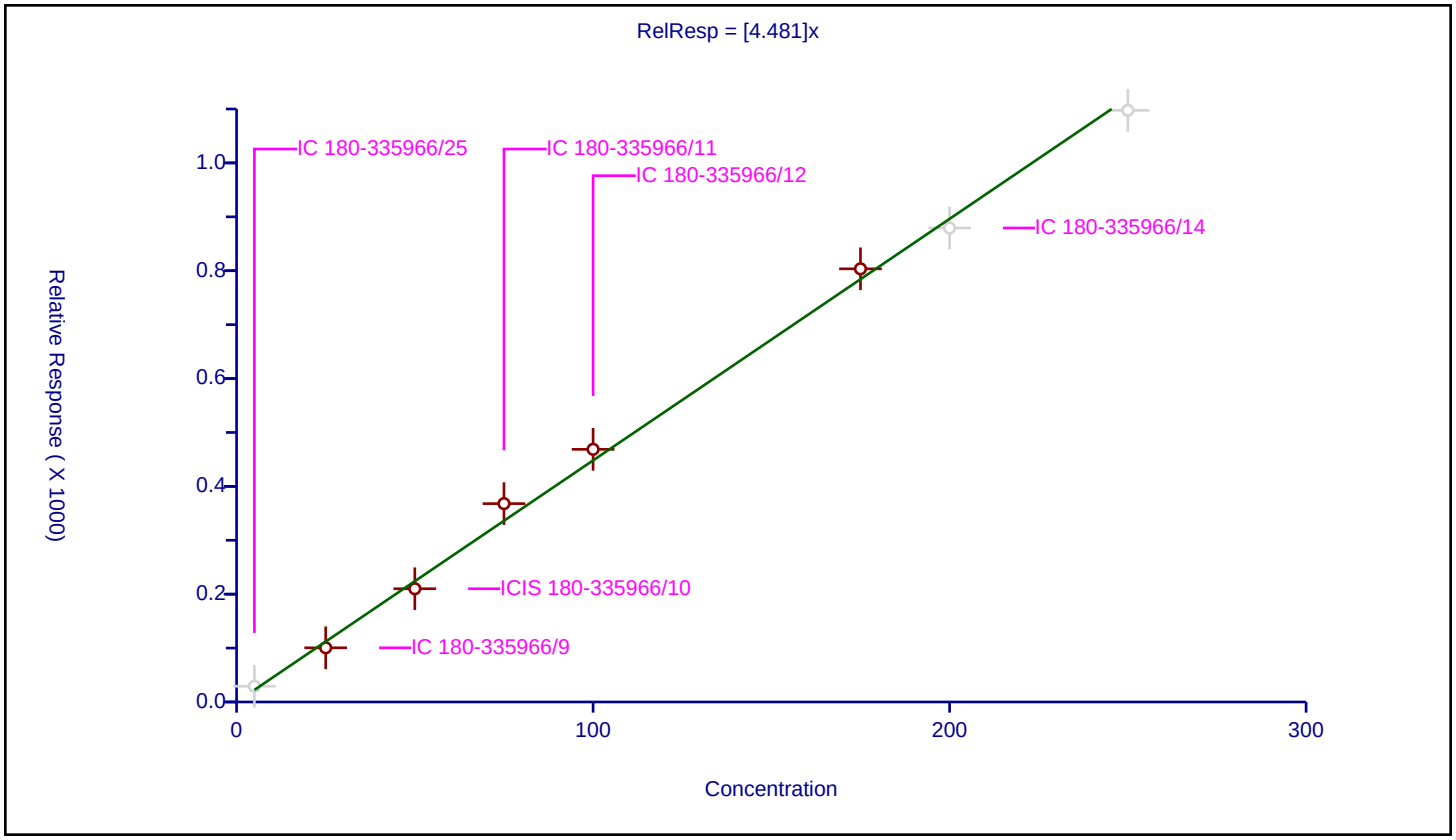
Curve Coefficients

Intercept:	0
Slope:	4.481

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	29.21502	50.0	78244.0	5.843004	N
2	IC 180-335966/9	25.0	100.511704	50.0	123118.0	4.020468	Y
3	ICIS 180-335966/10	50.0	210.052622	50.0	137014.0	4.201052	Y
4	IC 180-335966/11	75.0	367.972369	50.0	124135.0	4.906298	Y
5	IC 180-335966/12	100.0	468.673179	50.0	123664.0	4.686732	Y
6	IC 180-335966/13	175.0	803.559667	50.0	119941.0	4.59177	Y
7	IC 180-335966/14	200.0	879.303471	50.0	132184.0	4.396517	N
8	IC 180-335966/15	250.0	1097.491408	50.0	135295.0	4.389966	N



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

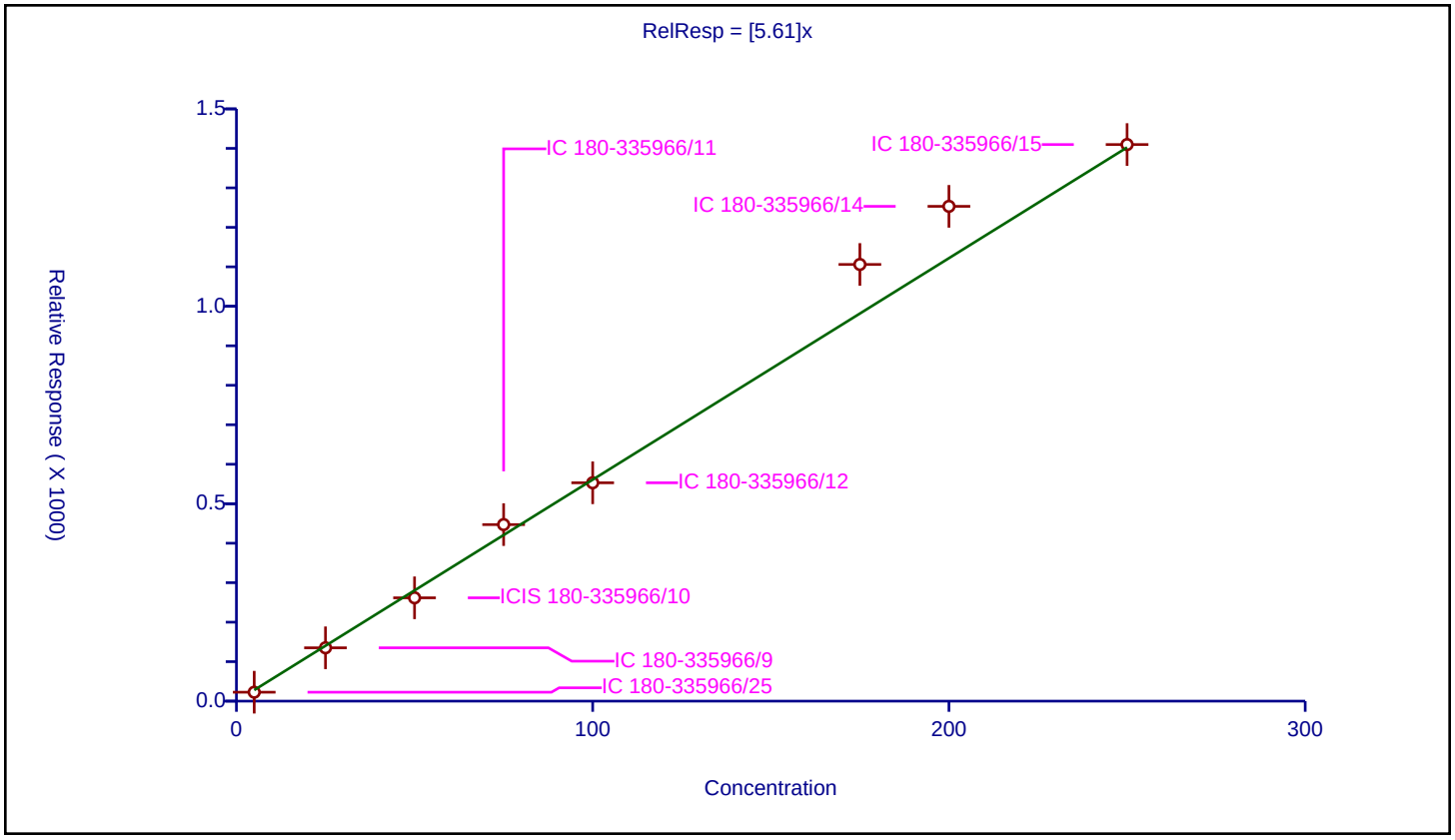
Curve Coefficients

Intercept:	0
Slope:	5.61

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	10.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	22.61004	50.0	78244.0	4.522008	Y
2	IC 180-335966/9	25.0	135.104534	50.0	123118.0	5.404181	Y
3	ICIS 180-335966/10	50.0	261.705373	50.0	137014.0	5.234107	Y
4	IC 180-335966/11	75.0	447.103557	50.0	124135.0	5.961381	Y
5	IC 180-335966/12	100.0	553.024728	50.0	123664.0	5.530247	Y
6	IC 180-335966/13	175.0	1106.00712	50.0	119941.0	6.320041	Y
7	IC 180-335966/14	200.0	1253.158854	50.0	132184.0	6.265794	Y
8	IC 180-335966/15	250.0	1409.661111	50.0	135295.0	5.638644	Y



Calibration / Ethyl methacrylate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

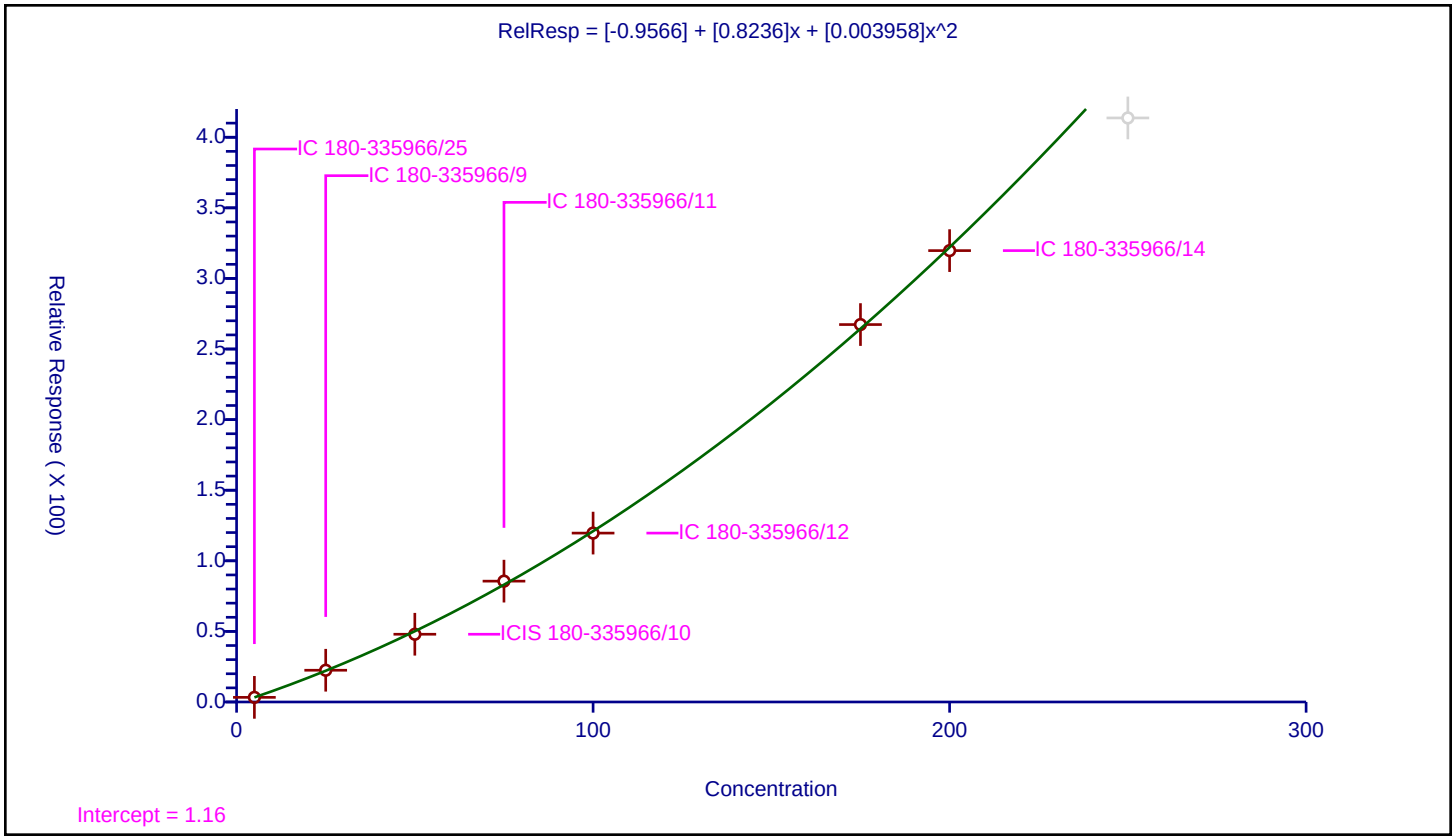
Curve Coefficients

Intercept:	-0.9566
Slope:	0.8236
Second Order:	0.003958

Error Coefficients

Standard Error:	565000
Relative Standard Error:	2.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.274372	50.0	78244.0	0.654874	Y
2	IC 180-335966/9	25.0	22.479248	50.0	123118.0	0.89917	Y
3	ICIS 180-335966/10	50.0	47.977214	50.0	137014.0	0.959544	Y
4	IC 180-335966/11	75.0	85.597938	50.0	124135.0	1.141306	Y
5	IC 180-335966/12	100.0	119.618887	50.0	123664.0	1.196189	Y
6	IC 180-335966/13	175.0	267.336024	50.0	119941.0	1.527634	Y
7	IC 180-335966/14	200.0	319.708891	50.0	132184.0	1.598544	Y
8	IC 180-335966/15	250.0	413.678998	50.0	135295.0	1.654716	N



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

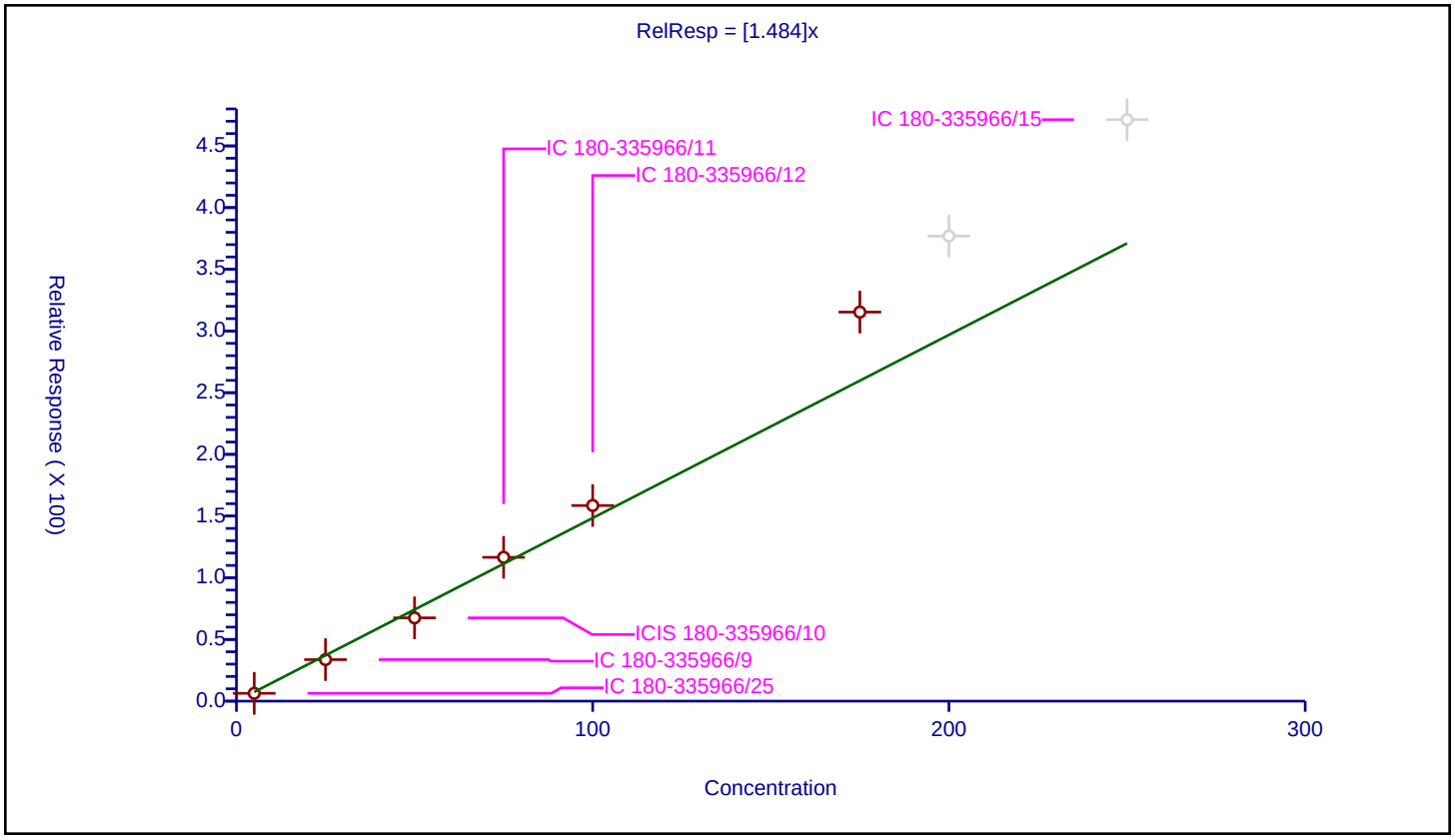
Curve Coefficients

Intercept:	0
Slope:	1.484

Error Coefficients

Standard Error:	412000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.339783	50.0	78244.0	1.267957	Y
2	IC 180-335966/9	25.0	33.652269	50.0	123118.0	1.346091	Y
3	ICIS 180-335966/10	50.0	67.493468	50.0	137014.0	1.349869	Y
4	IC 180-335966/11	75.0	116.549321	50.0	124135.0	1.553991	Y
5	IC 180-335966/12	100.0	158.547758	50.0	123664.0	1.585478	Y
6	IC 180-335966/13	175.0	315.309611	50.0	119941.0	1.801769	Y
7	IC 180-335966/14	200.0	376.858773	50.0	132184.0	1.884294	N
8	IC 180-335966/15	250.0	471.257253	50.0	135295.0	1.885029	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

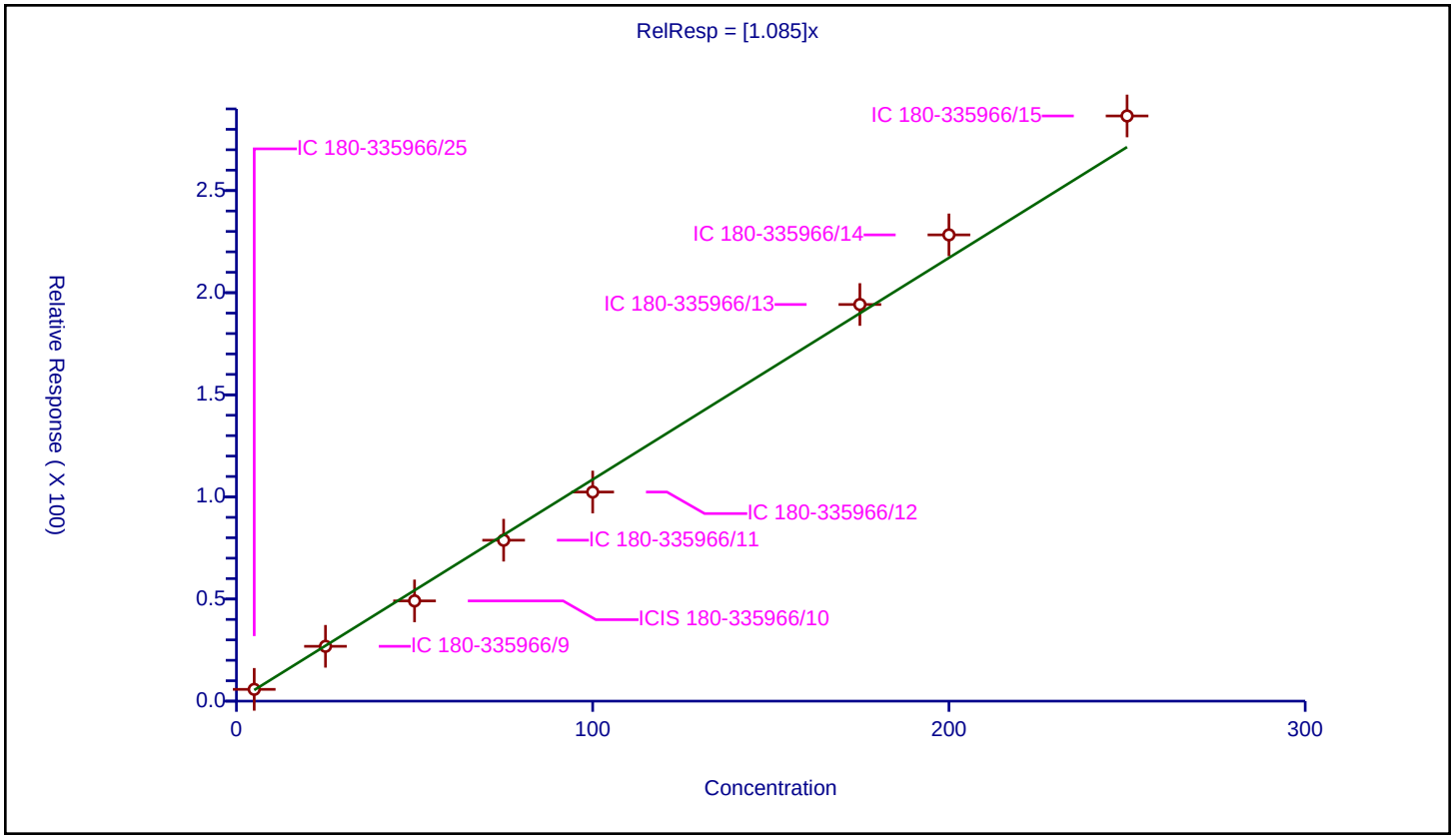
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	432000
Relative Standard Error:	5.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.77105	50.0	78244.0	1.15421	Y
2	IC 180-335966/9	25.0	26.850257	50.0	123118.0	1.07401	Y
3	ICIS 180-335966/10	50.0	49.083305	50.0	137014.0	0.981666	Y
4	IC 180-335966/11	75.0	78.803722	50.0	124135.0	1.050716	Y
5	IC 180-335966/12	100.0	102.400456	50.0	123664.0	1.024005	Y
6	IC 180-335966/13	175.0	194.226328	50.0	119941.0	1.109865	Y
7	IC 180-335966/14	200.0	228.316967	50.0	132184.0	1.141585	Y
8	IC 180-335966/15	250.0	286.546066	50.0	135295.0	1.146184	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

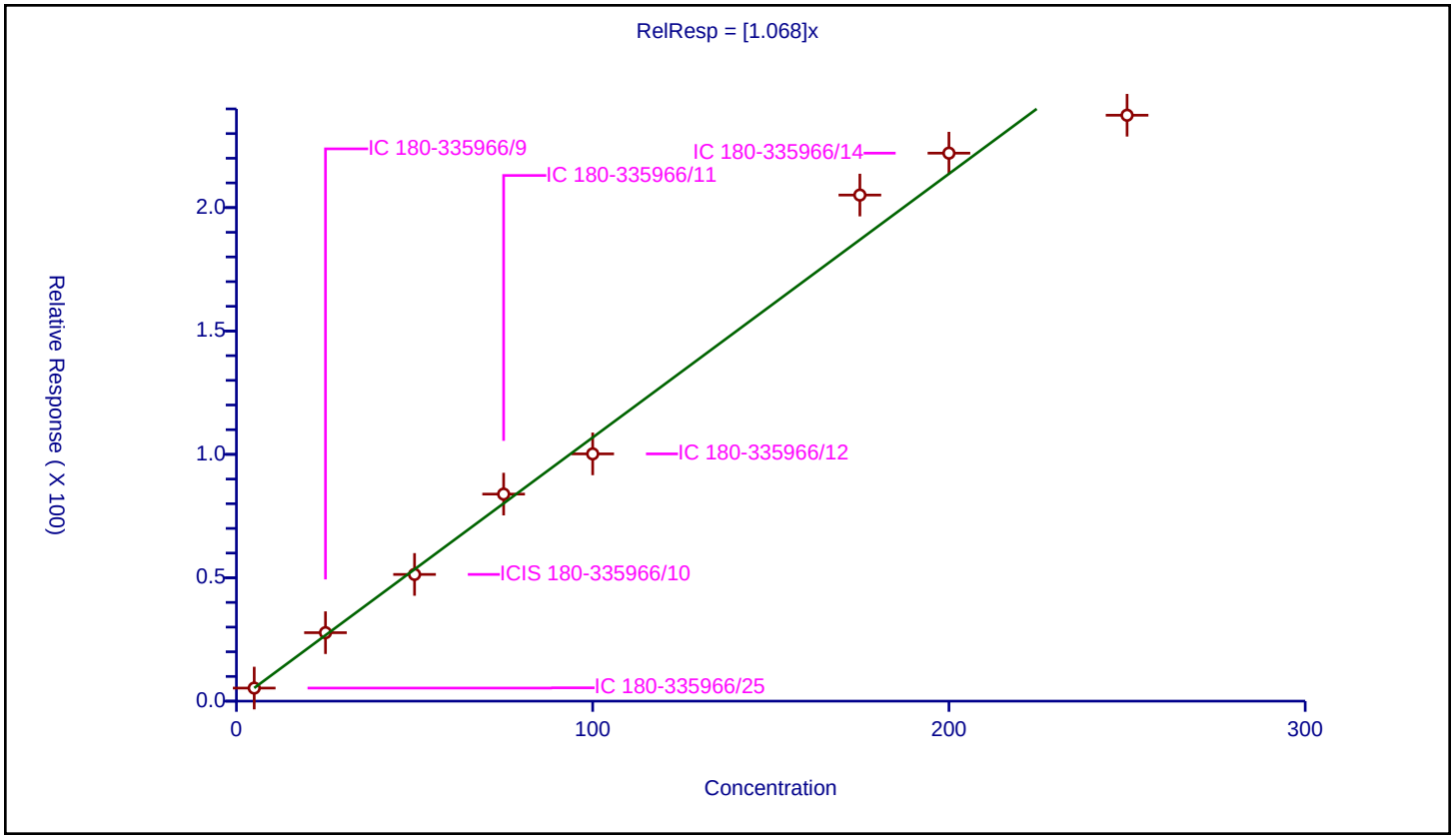
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Standard Error:	401000
Relative Standard Error:	6.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.291141	50.0	78244.0	1.058228	Y
2	IC 180-335966/9	25.0	27.743303	50.0	123118.0	1.109732	Y
3	ICIS 180-335966/10	50.0	51.344023	50.0	137014.0	1.02688	Y
4	IC 180-335966/11	75.0	83.895356	50.0	124135.0	1.118605	Y
5	IC 180-335966/12	100.0	100.196905	50.0	123664.0	1.001969	Y
6	IC 180-335966/13	175.0	205.079581	50.0	119941.0	1.171883	Y
7	IC 180-335966/14	200.0	222.063185	50.0	132184.0	1.110316	Y
8	IC 180-335966/15	250.0	237.426734	50.0	135295.0	0.949707	Y



Calibration / 2-Hexanone

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

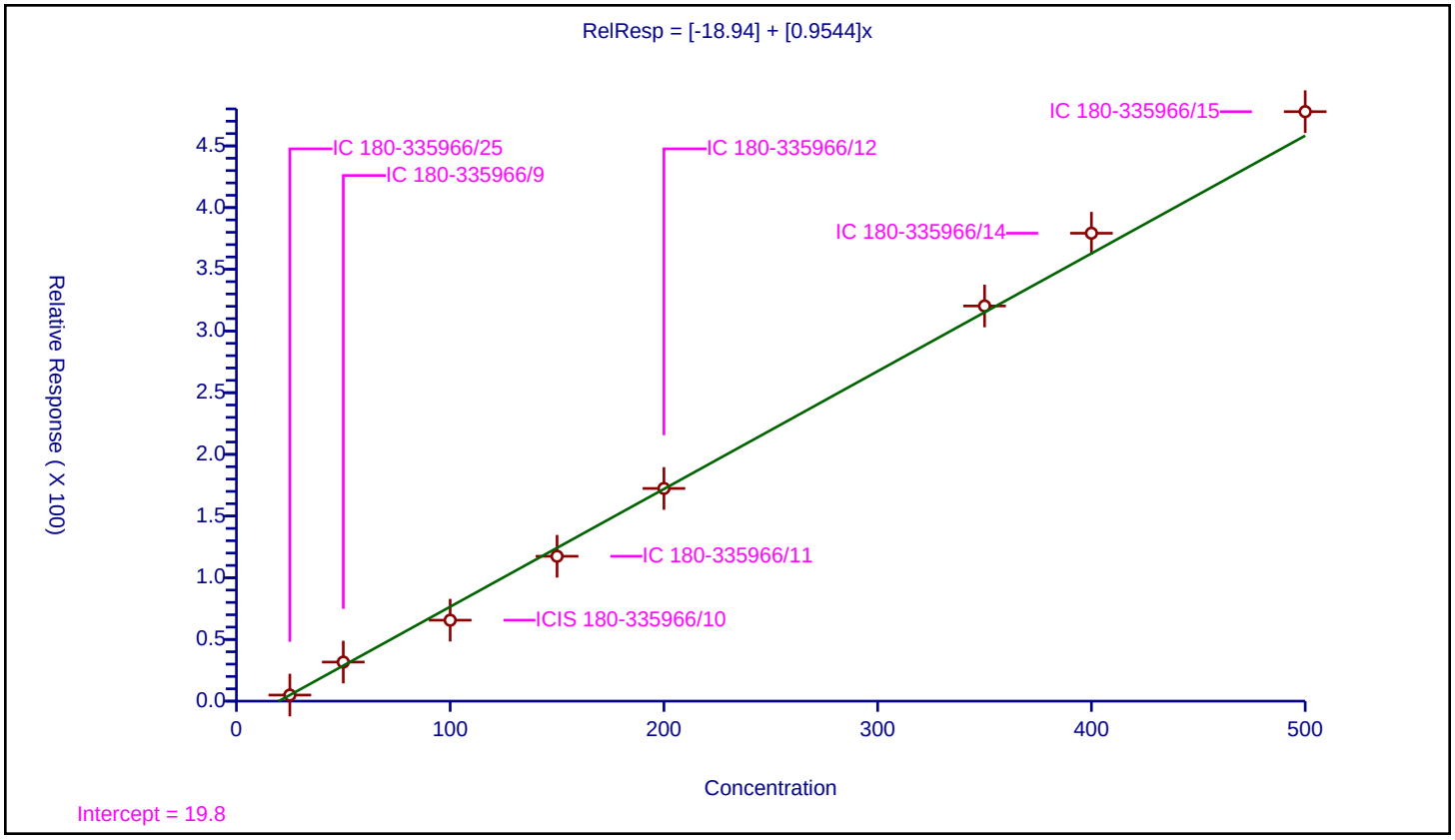
Curve Coefficients

Intercept:	-18.94
Slope:	0.9544

Error Coefficients

Standard Error:	771000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	4.933925	50.0	78244.0	0.197357	Y
2	IC 180-335966/9	50.0	31.649312	50.0	123118.0	0.632986	Y
3	ICIS 180-335966/10	100.0	65.60242	50.0	137014.0	0.656024	Y
4	IC 180-335966/11	150.0	117.418536	50.0	124135.0	0.78279	Y
5	IC 180-335966/12	200.0	172.384445	50.0	123664.0	0.861922	Y
6	IC 180-335966/13	350.0	320.279554	50.0	119941.0	0.915084	Y
7	IC 180-335966/14	400.0	379.233871	50.0	132184.0	0.948085	Y
8	IC 180-335966/15	500.0	477.757123	50.0	135295.0	0.955514	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

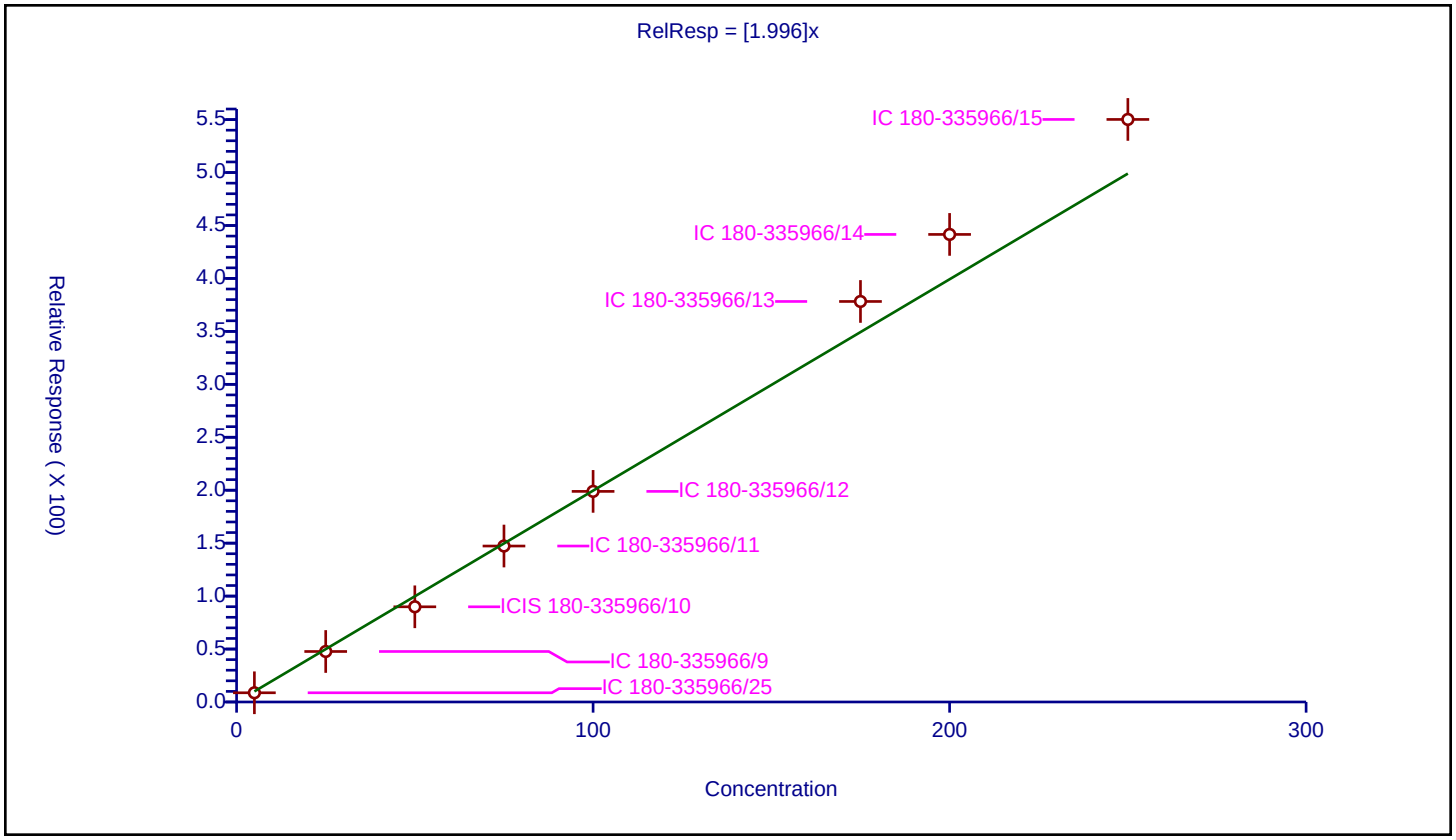
Curve Coefficients

Intercept:	0
Slope:	1.996

Error Coefficients

Standard Error:	832000
Relative Standard Error:	9.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.69907	50.0	78244.0	1.739814	Y
2	IC 180-335966/9	25.0	47.696113	50.0	123118.0	1.907845	Y
3	ICIS 180-335966/10	50.0	89.888625	50.0	137014.0	1.797772	Y
4	IC 180-335966/11	75.0	147.295283	50.0	124135.0	1.963937	Y
5	IC 180-335966/12	100.0	198.901054	50.0	123664.0	1.989011	Y
6	IC 180-335966/13	175.0	378.240135	50.0	119941.0	2.161372	Y
7	IC 180-335966/14	200.0	441.564032	50.0	132184.0	2.20782	Y
8	IC 180-335966/15	250.0	550.16076	50.0	135295.0	2.200643	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

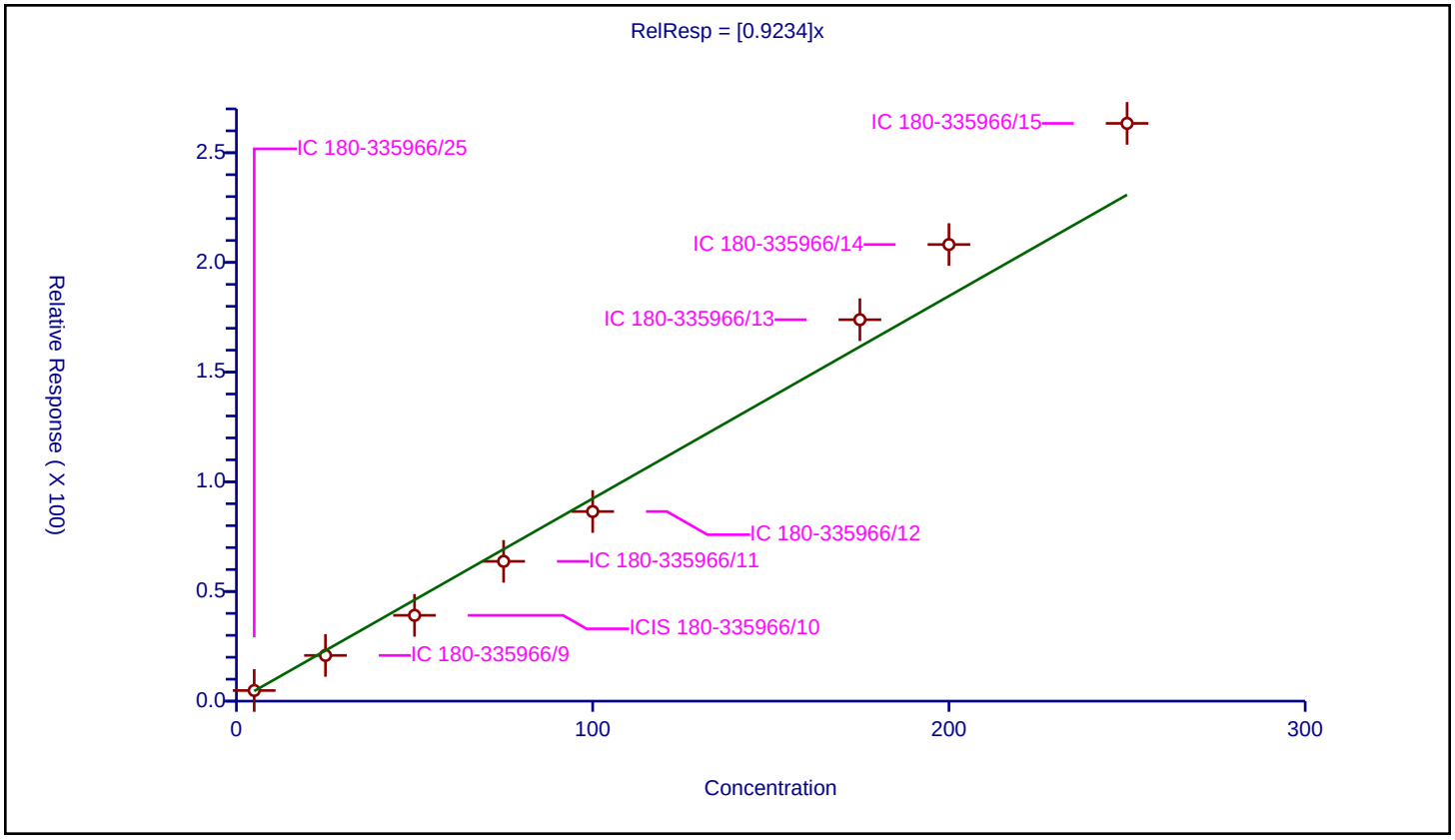
Curve Coefficients

Intercept:	0
Slope:	0.9234

Error Coefficients

Standard Error:	391000
Relative Standard Error:	11.2
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	4.8451	50.0	78244.0	0.96902	Y
2	IC 180-335966/9	25.0	20.838139	50.0	123118.0	0.833526	Y
3	ICIS 180-335966/10	50.0	39.1179	50.0	137014.0	0.782358	Y
4	IC 180-335966/11	75.0	63.731421	50.0	124135.0	0.849752	Y
5	IC 180-335966/12	100.0	86.447147	50.0	123664.0	0.864471	Y
6	IC 180-335966/13	175.0	173.893414	50.0	119941.0	0.993677	Y
7	IC 180-335966/14	200.0	208.153786	50.0	132184.0	1.040769	Y
8	IC 180-335966/15	250.0	263.39	50.0	135295.0	1.05356	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

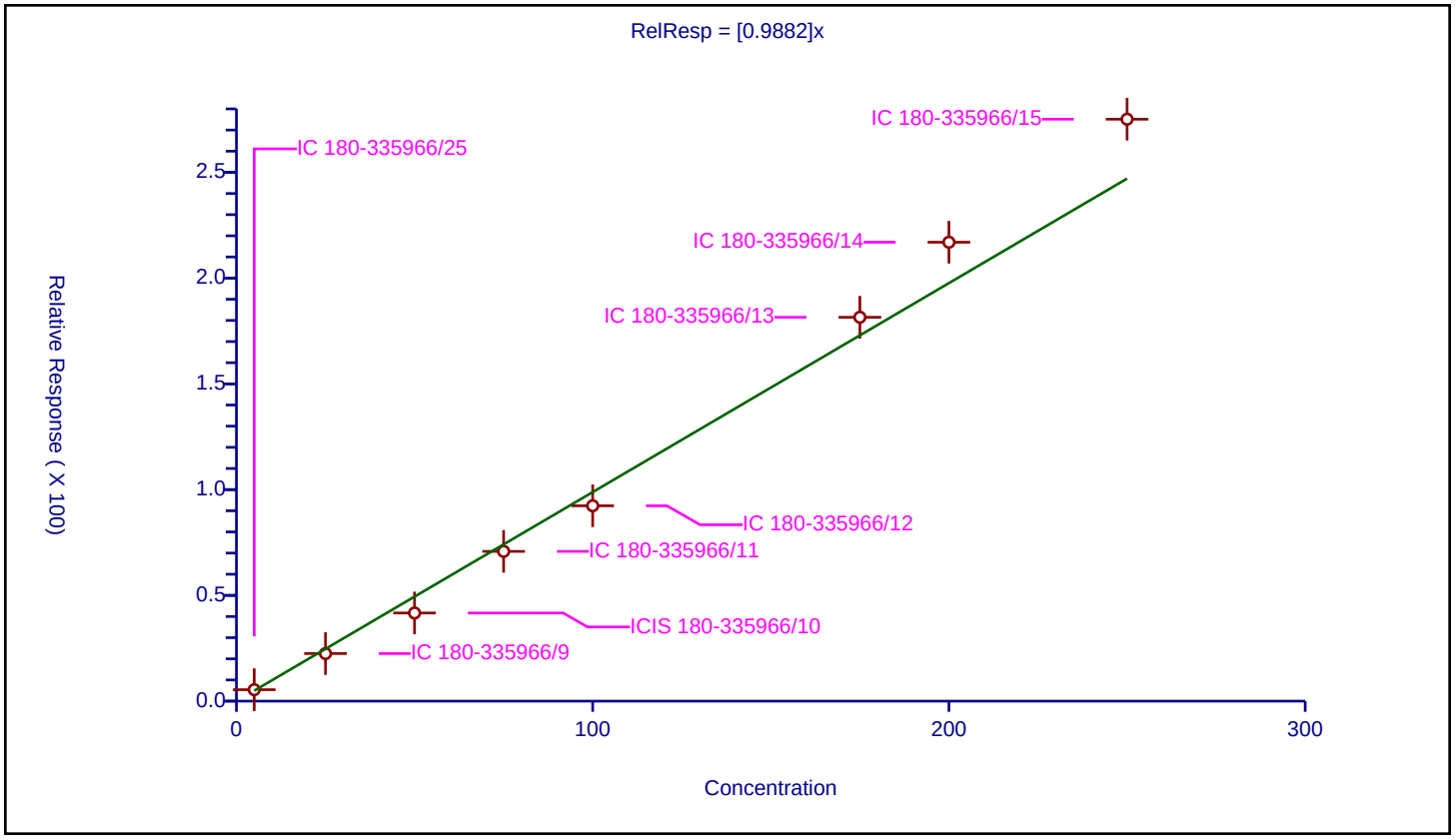
Curve Coefficients

Intercept:	0
Slope:	0.9882

Error Coefficients

Standard Error:	409000
Relative Standard Error:	10.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.410639	50.0	78244.0	1.082128	Y
2	IC 180-335966/9	25.0	22.498335	50.0	123118.0	0.899933	Y
3	ICIS 180-335966/10	50.0	41.674573	50.0	137014.0	0.833491	Y
4	IC 180-335966/11	75.0	70.797116	50.0	124135.0	0.943962	Y
5	IC 180-335966/12	100.0	92.356709	50.0	123664.0	0.923567	Y
6	IC 180-335966/13	175.0	181.485063	50.0	119941.0	1.037058	Y
7	IC 180-335966/14	200.0	216.960827	50.0	132184.0	1.084804	Y
8	IC 180-335966/15	250.0	275.123249	50.0	135295.0	1.100493	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

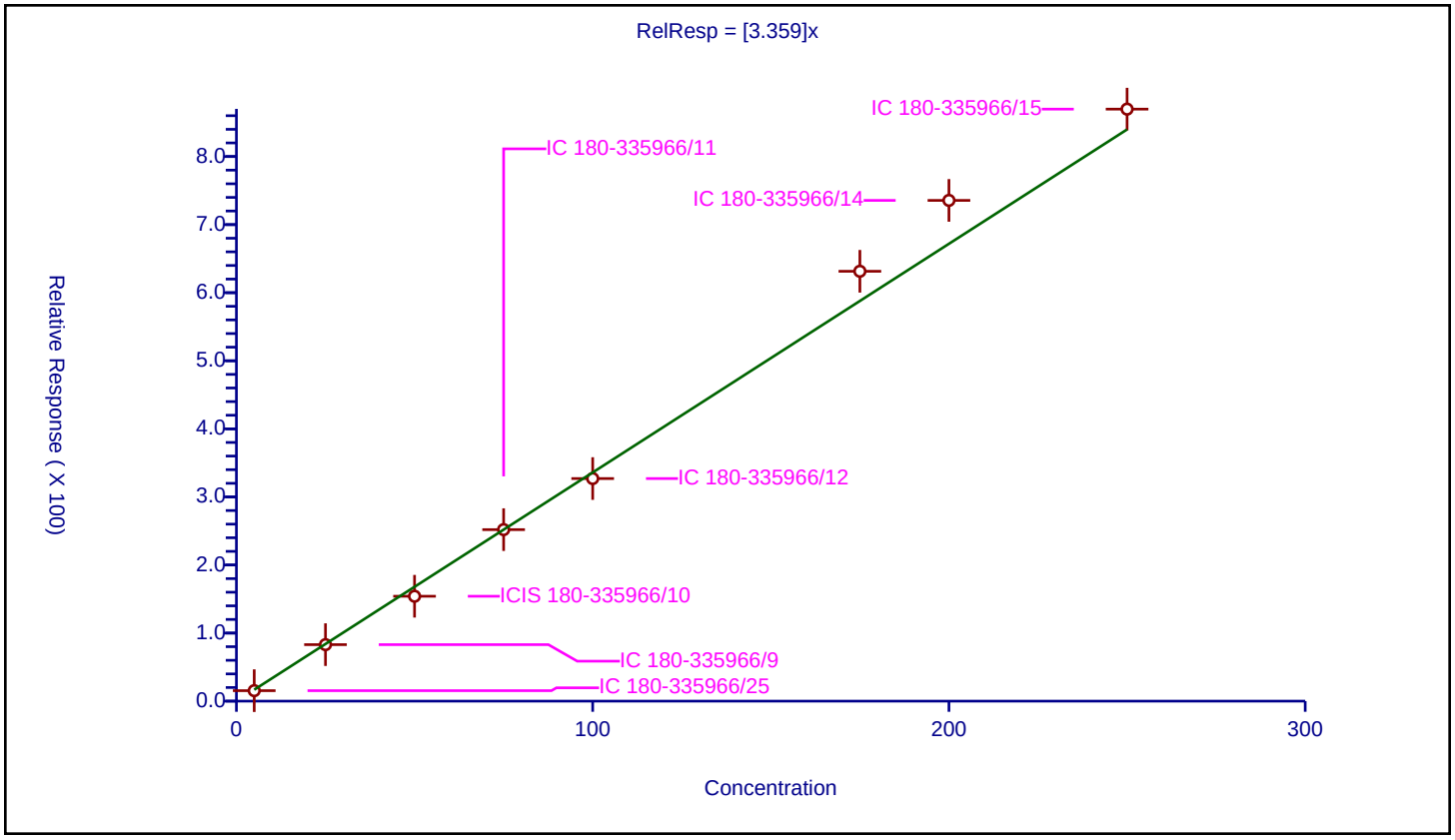
Curve Coefficients

Intercept:	0
Slope:	3.359

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	15.383927	50.0	78244.0	3.076785	Y
2	IC 180-335966/9	25.0	82.998424	50.0	123118.0	3.319937	Y
3	ICIS 180-335966/10	50.0	154.110529	50.0	137014.0	3.082211	Y
4	IC 180-335966/11	75.0	251.954727	50.0	124135.0	3.359396	Y
5	IC 180-335966/12	100.0	326.994113	50.0	123664.0	3.269941	Y
6	IC 180-335966/13	175.0	631.460051	50.0	119941.0	3.608343	Y
7	IC 180-335966/14	200.0	735.57314	50.0	132184.0	3.677866	Y
8	IC 180-335966/15	250.0	869.650763	50.0	135295.0	3.478603	Y



Calibration / Ethylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

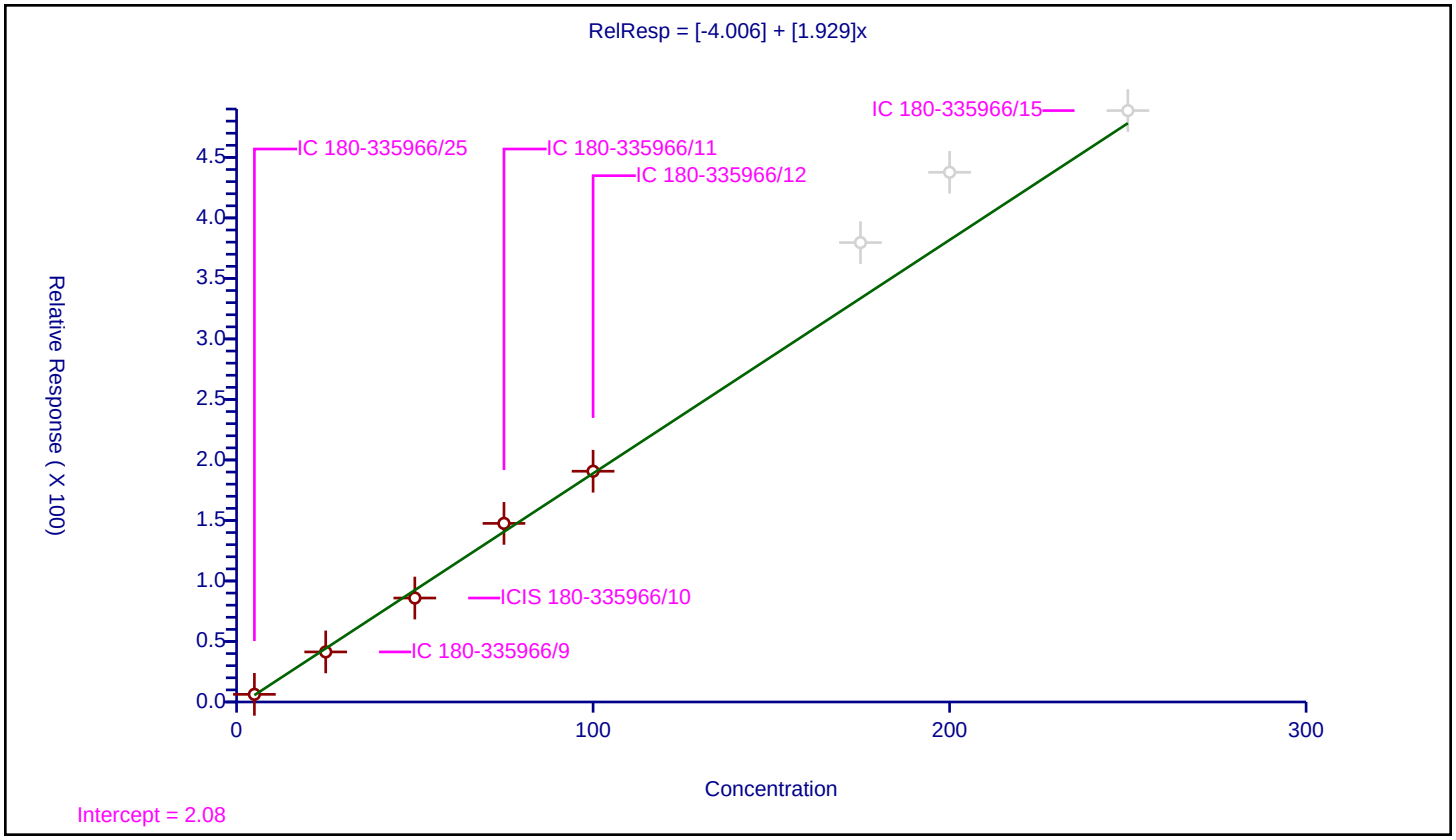
Curve Coefficients

Intercept:	-4.006
Slope:	1.929

Error Coefficients

Standard Error:	375000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.311666	50.0	78244.0	1.262333	Y
2	IC 180-335966/9	25.0	41.37088	50.0	123118.0	1.654835	Y
3	ICIS 180-335966/10	50.0	85.907644	50.0	137014.0	1.718153	Y
4	IC 180-335966/11	75.0	147.581665	50.0	124135.0	1.967756	Y
5	IC 180-335966/12	100.0	190.693735	50.0	123664.0	1.906937	Y
6	IC 180-335966/13	175.0	379.618729	50.0	119941.0	2.16925	N
7	IC 180-335966/14	200.0	437.711826	50.0	132184.0	2.188559	N
8	IC 180-335966/15	250.0	488.693595	50.0	135295.0	1.954774	N



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

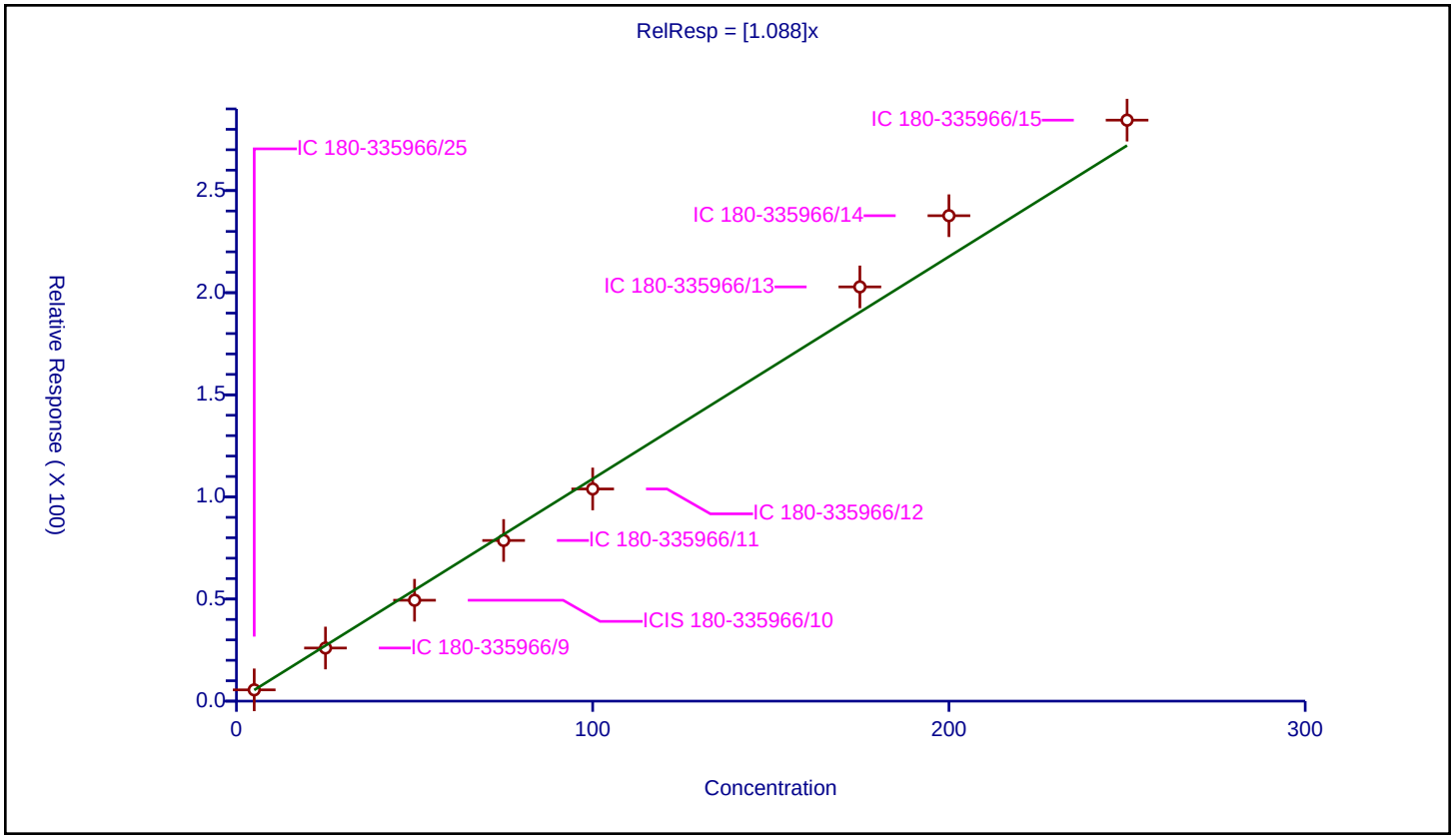
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Standard Error:	439000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.52119	50.0	78244.0	1.104238	Y
2	IC 180-335966/9	25.0	26.015692	50.0	123118.0	1.040628	Y
3	ICIS 180-335966/10	50.0	49.409549	50.0	137014.0	0.988191	Y
4	IC 180-335966/11	75.0	78.67201	50.0	124135.0	1.04896	Y
5	IC 180-335966/12	100.0	103.900084	50.0	123664.0	1.039001	Y
6	IC 180-335966/13	175.0	202.841397	50.0	119941.0	1.159094	Y
7	IC 180-335966/14	200.0	237.703126	50.0	132184.0	1.188516	Y
8	IC 180-335966/15	250.0	284.501645	50.0	135295.0	1.138007	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

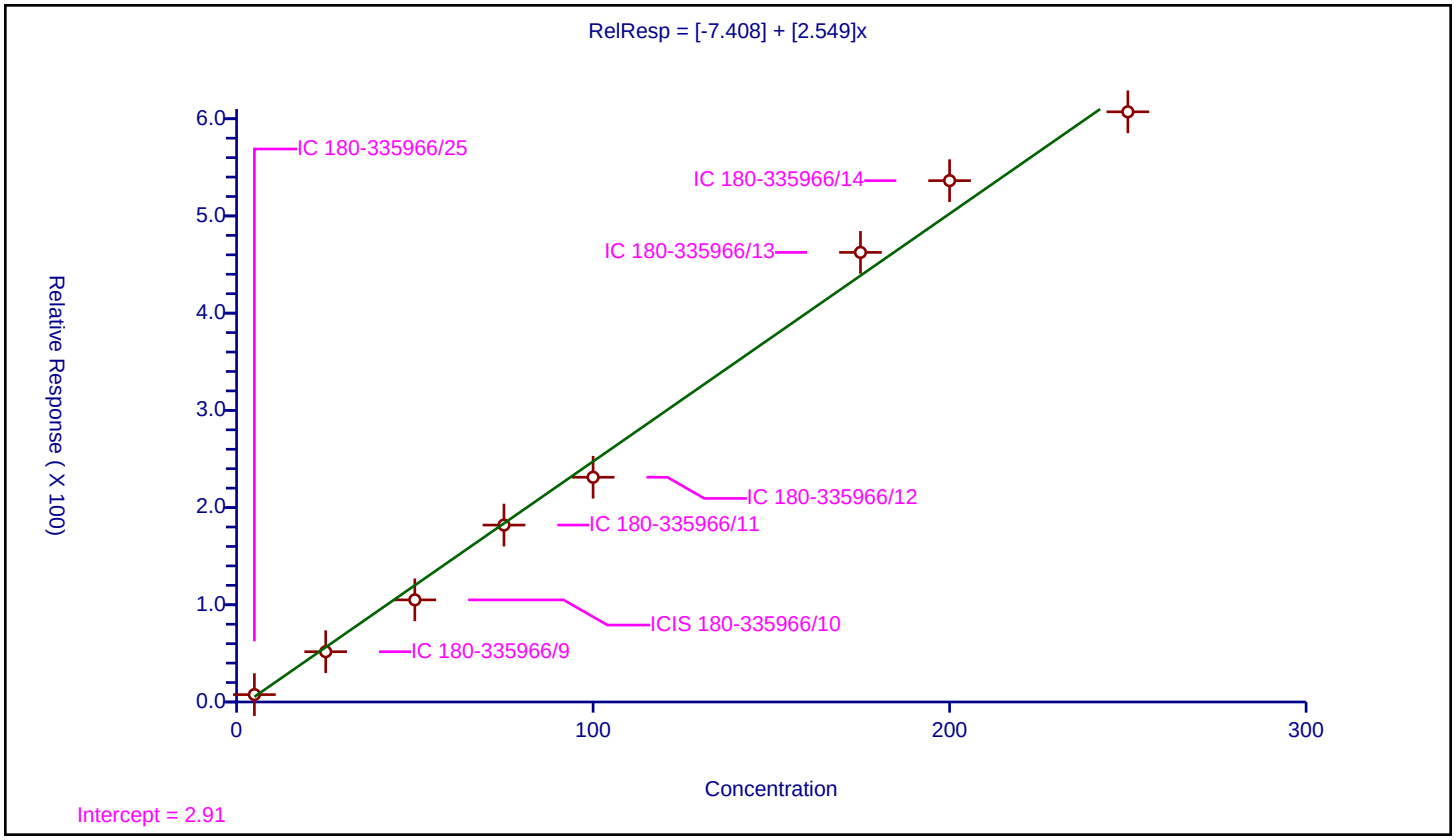
Curve Coefficients

Intercept:	-7.408
Slope:	2.549

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	7.598027	50.0	78244.0	1.519605	Y
2	IC 180-335966/9	25.0	51.714615	50.0	123118.0	2.068585	Y
3	ICIS 180-335966/10	50.0	105.060432	50.0	137014.0	2.101209	Y
4	IC 180-335966/11	75.0	182.003464	50.0	124135.0	2.426713	Y
5	IC 180-335966/12	100.0	231.176818	50.0	123664.0	2.311768	Y
6	IC 180-335966/13	175.0	462.491975	50.0	119941.0	2.642811	Y
7	IC 180-335966/14	200.0	536.32777	50.0	132184.0	2.681639	Y
8	IC 180-335966/15	250.0	607.121475	50.0	135295.0	2.428486	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

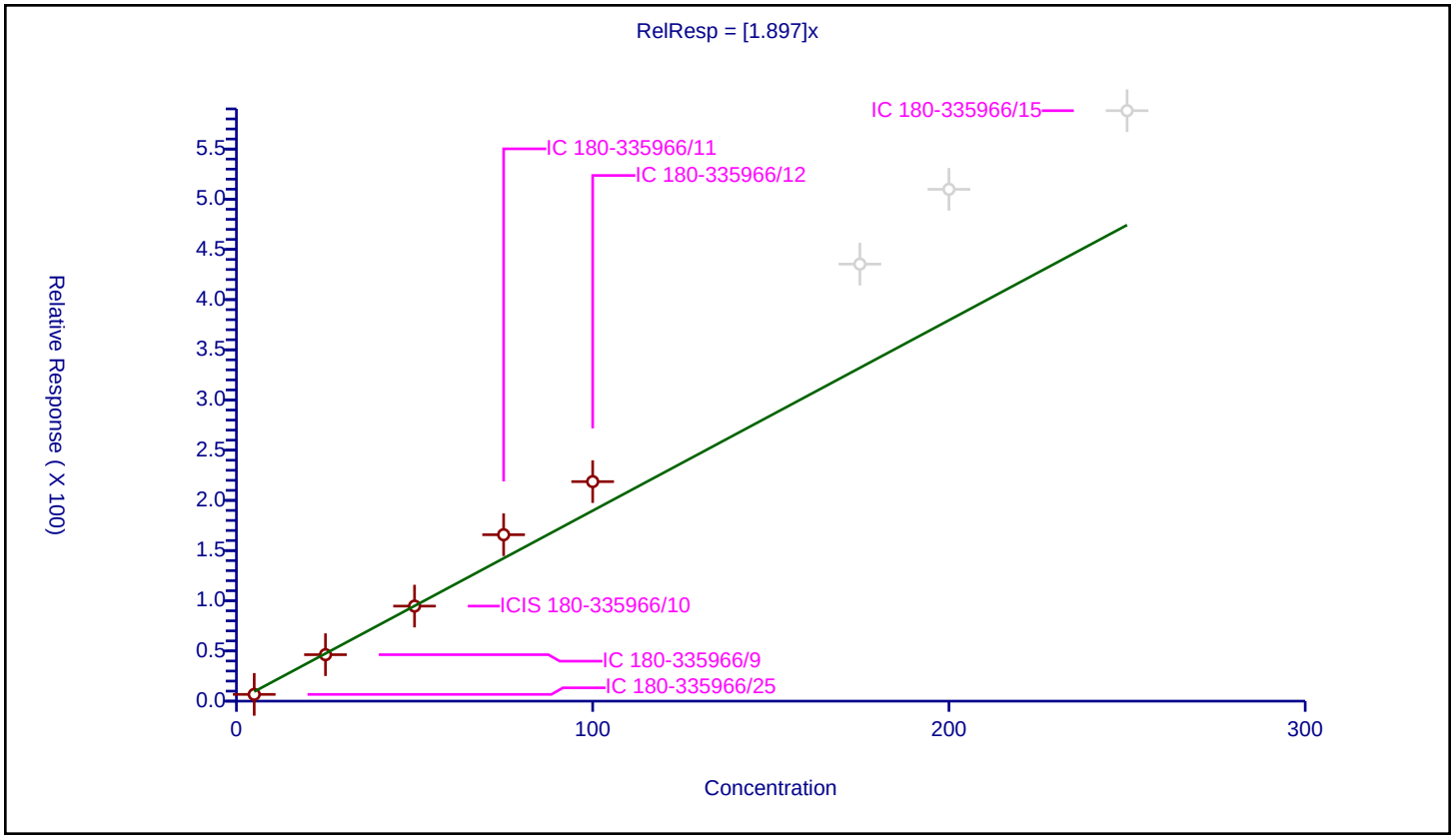
Curve Coefficients

Intercept:	0
Slope:	1.897

Error Coefficients

Standard Error:	368000
Relative Standard Error:	18.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.720004	50.0	78244.0	1.344001	Y
2	IC 180-335966/9	25.0	46.282834	50.0	123118.0	1.851313	Y
3	ICIS 180-335966/10	50.0	94.68412	50.0	137014.0	1.893682	Y
4	IC 180-335966/11	75.0	165.792887	50.0	124135.0	2.210572	Y
5	IC 180-335966/12	100.0	218.692182	50.0	123664.0	2.186922	Y
6	IC 180-335966/13	175.0	435.366555	50.0	119941.0	2.487809	N
7	IC 180-335966/14	200.0	509.881302	50.0	132184.0	2.549407	N
8	IC 180-335966/15	250.0	588.227577	50.0	135295.0	2.35291	N



Calibration / Styrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

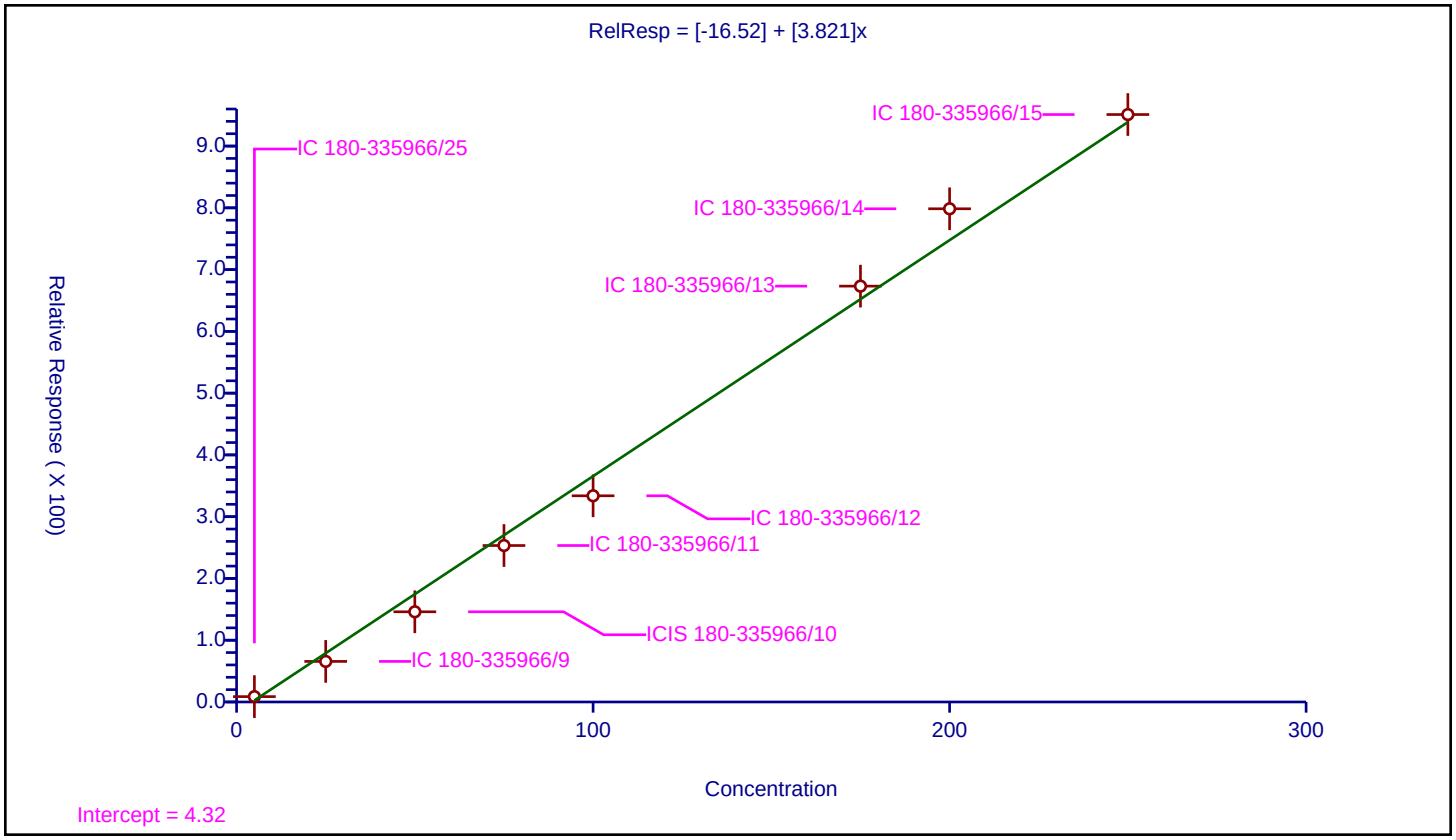
Curve Coefficients

Intercept:	-16.52
Slope:	3.821

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	16.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.67926	50.0	78244.0	1.735852	Y
2	IC 180-335966/9	25.0	65.684547	50.0	123118.0	2.627382	Y
3	ICIS 180-335966/10	50.0	146.051133	50.0	137014.0	2.921023	Y
4	IC 180-335966/11	75.0	253.316953	50.0	124135.0	3.377559	Y
5	IC 180-335966/12	100.0	333.816228	50.0	123664.0	3.338162	Y
6	IC 180-335966/13	175.0	673.246429	50.0	119941.0	3.847122	Y
7	IC 180-335966/14	200.0	798.485066	50.0	132184.0	3.992425	Y
8	IC 180-335966/15	250.0	951.054363	50.0	135295.0	3.804217	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

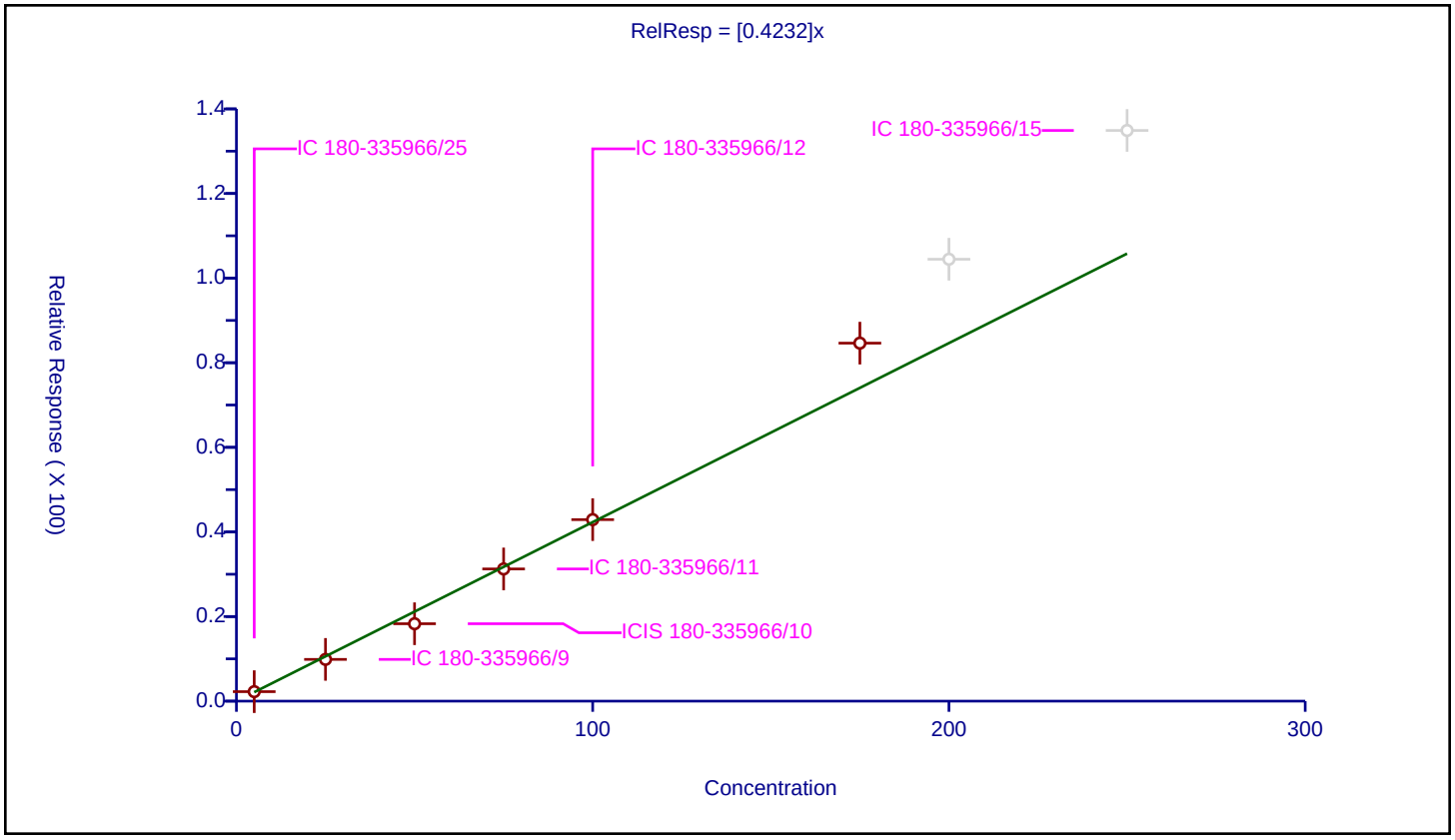
Curve Coefficients

Intercept:	0
Slope:	0.4232

Error Coefficients

Standard Error:	111000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.244901	50.0	78244.0	0.44898	Y
2	IC 180-335966/9	25.0	9.867769	50.0	123118.0	0.394711	Y
3	ICIS 180-335966/10	50.0	18.29667	50.0	137014.0	0.365933	Y
4	IC 180-335966/11	75.0	31.249849	50.0	124135.0	0.416665	Y
5	IC 180-335966/12	100.0	42.908607	50.0	123664.0	0.429086	Y
6	IC 180-335966/13	175.0	84.625774	50.0	119941.0	0.483576	Y
7	IC 180-335966/14	200.0	104.457423	50.0	132184.0	0.522287	N
8	IC 180-335966/15	250.0	134.901512	50.0	135295.0	0.539606	N



Calibration / Isopropylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

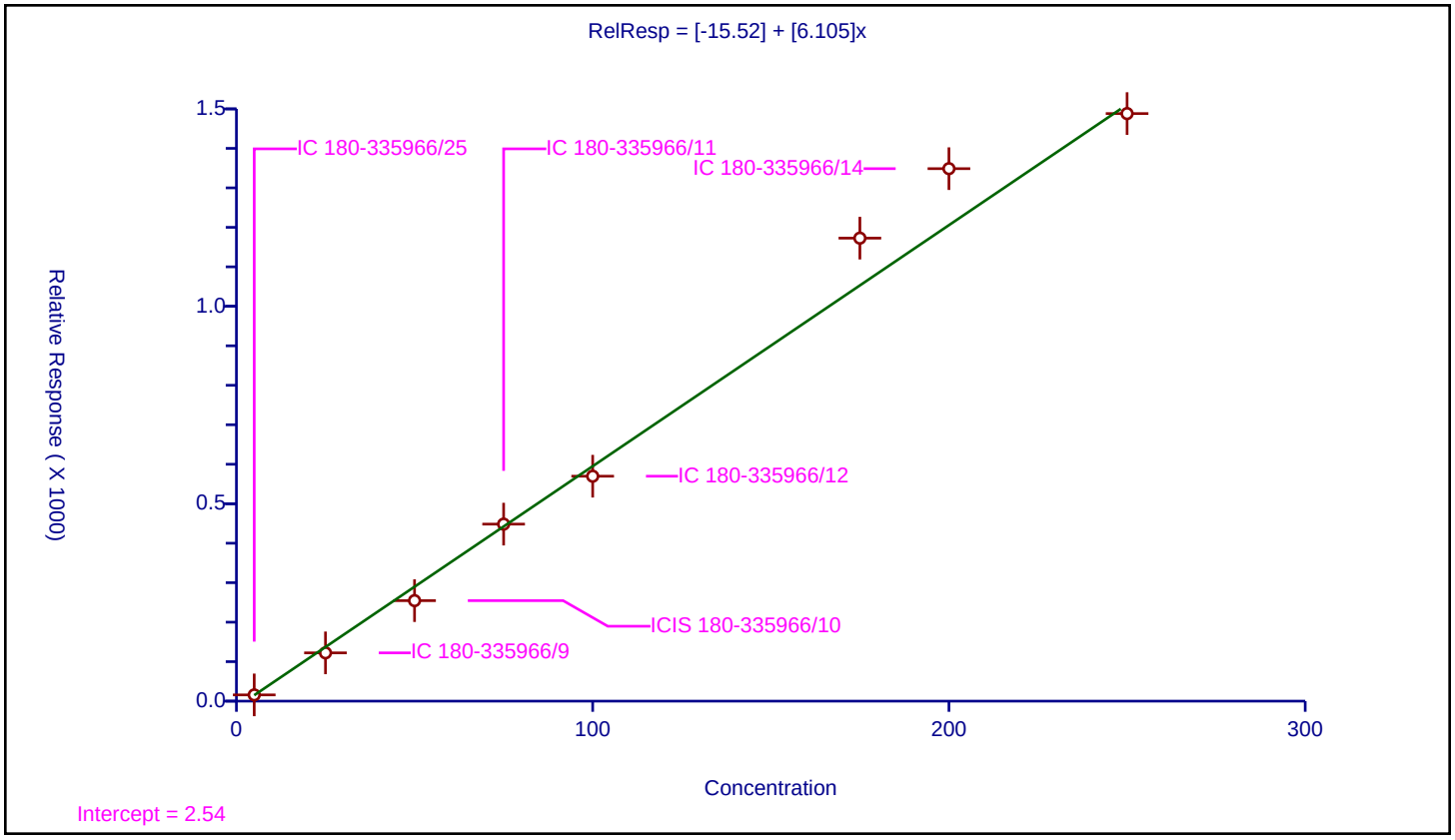
Curve Coefficients

Intercept:	-15.52
Slope:	6.105

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	15.812075	50.0	78244.0	3.162415	Y
2	IC 180-335966/9	25.0	122.272129	50.0	123118.0	4.890885	Y
3	ICIS 180-335966/10	50.0	254.576905	50.0	137014.0	5.091538	Y
4	IC 180-335966/11	75.0	448.365489	50.0	124135.0	5.978207	Y
5	IC 180-335966/12	100.0	569.6763	50.0	123664.0	5.696763	Y
6	IC 180-335966/13	175.0	1172.661975	50.0	119941.0	6.700926	Y
7	IC 180-335966/14	200.0	1348.659066	50.0	132184.0	6.743295	Y
8	IC 180-335966/15	250.0	1488.149599	50.0	135295.0	5.952598	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

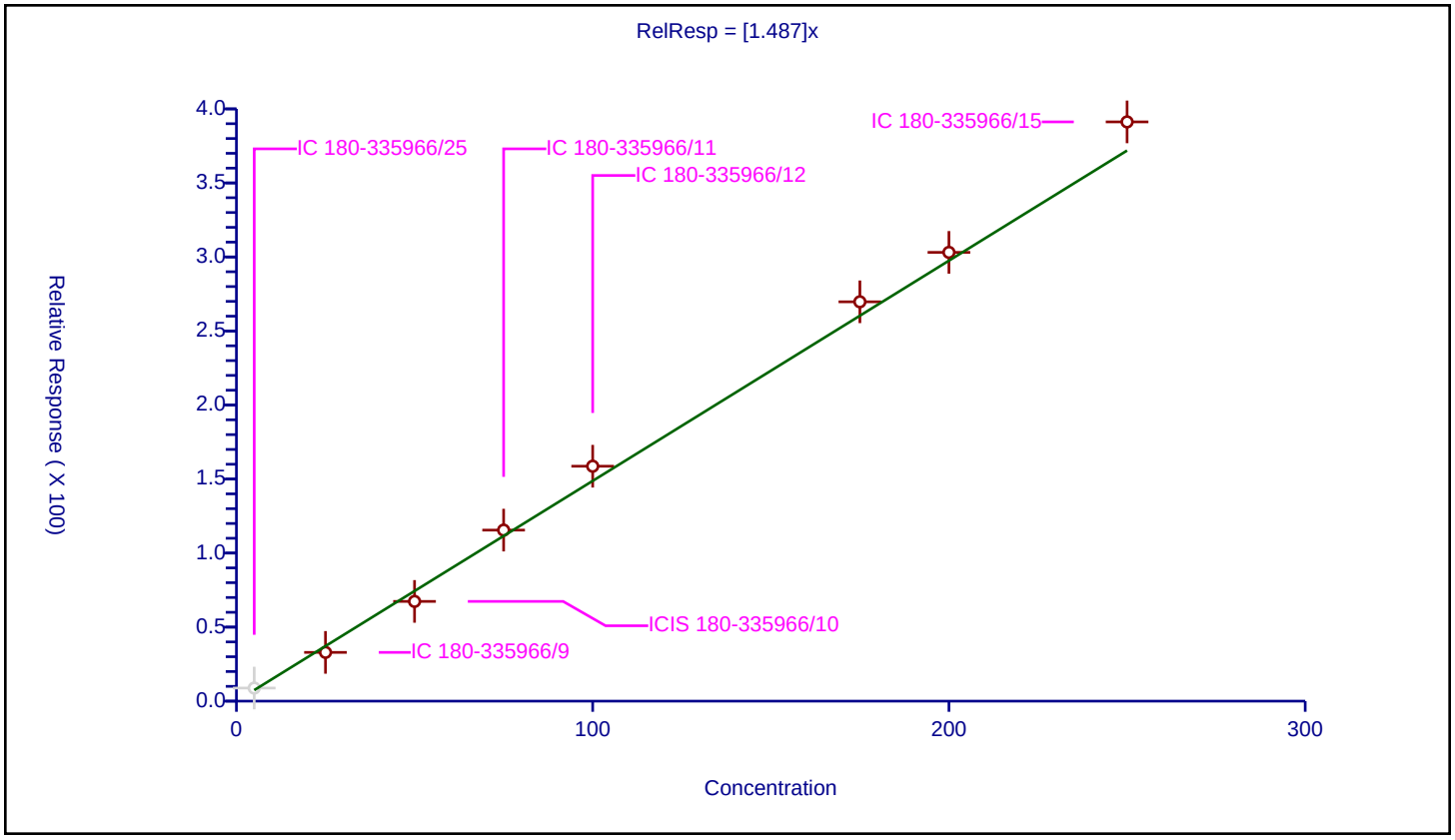
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.835821	50.0	78244.0	1.767164	N
2	IC 180-335966/9	25.0	32.927354	50.0	123118.0	1.317094	Y
3	ICIS 180-335966/10	50.0	67.349322	50.0	137014.0	1.346986	Y
4	IC 180-335966/11	75.0	115.507713	50.0	124135.0	1.540103	Y
5	IC 180-335966/12	100.0	158.663799	50.0	123664.0	1.586638	Y
6	IC 180-335966/13	175.0	269.715944	50.0	119941.0	1.541234	Y
7	IC 180-335966/14	200.0	303.094928	50.0	132184.0	1.515475	Y
8	IC 180-335966/15	250.0	391.213644	50.0	135295.0	1.564855	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

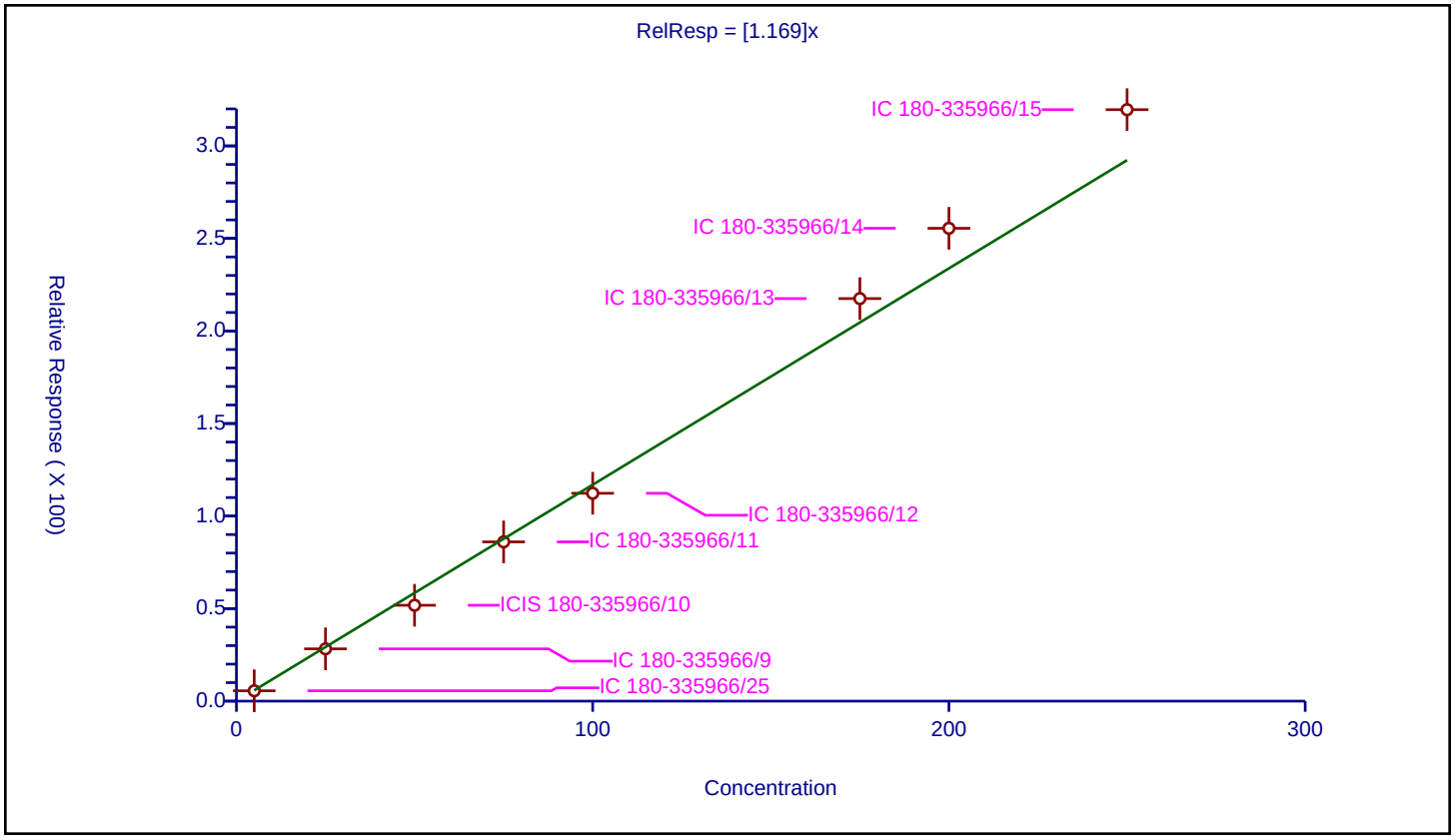
Curve Coefficients

Intercept:	0
Slope:	1.169

Error Coefficients

Standard Error:	482000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.589566	50.0	78244.0	1.117913	Y
2	IC 180-335966/9	25.0	28.252977	50.0	123118.0	1.130119	Y
3	ICIS 180-335966/10	50.0	51.80456	50.0	137014.0	1.036091	Y
4	IC 180-335966/11	75.0	86.051476	50.0	124135.0	1.147353	Y
5	IC 180-335966/12	100.0	112.317651	50.0	123664.0	1.123177	Y
6	IC 180-335966/13	175.0	217.504023	50.0	119941.0	1.24288	Y
7	IC 180-335966/14	200.0	255.487427	50.0	132184.0	1.277437	Y
8	IC 180-335966/15	250.0	319.582764	50.0	135295.0	1.278331	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

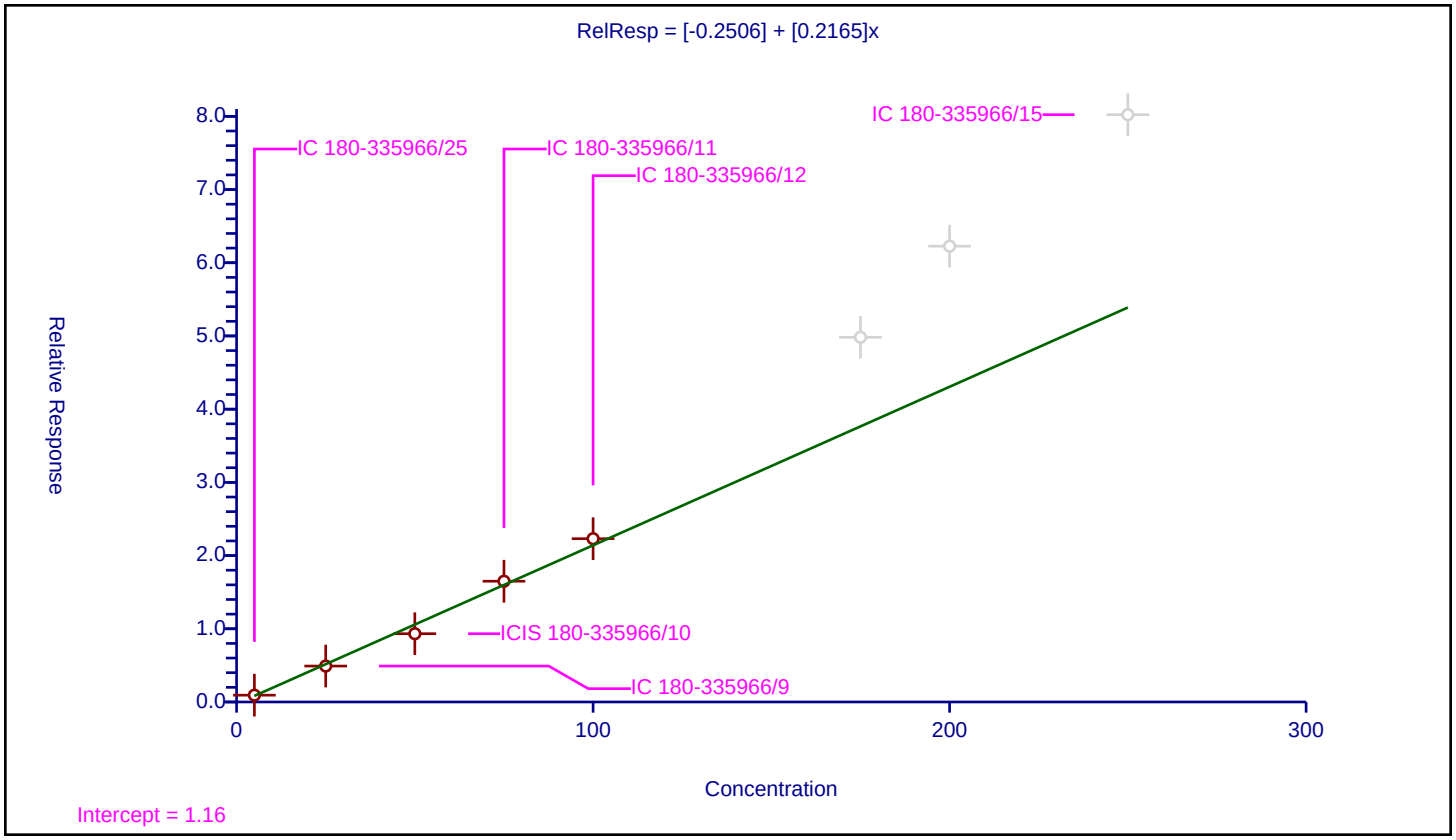
Curve Coefficients

Intercept:	-0.2506
Slope:	0.2165

Error Coefficients

Standard Error:	61500
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.928947	50.0	91017.0	0.185789	Y
2	IC 180-335966/9	25.0	4.910075	50.0	164692.0	0.196403	Y
3	ICIS 180-335966/10	50.0	9.327614	50.0	191051.0	0.186552	Y
4	IC 180-335966/11	75.0	16.493989	50.0	177595.0	0.21992	Y
5	IC 180-335966/12	100.0	22.305749	50.0	179317.0	0.223057	Y
6	IC 180-335966/13	175.0	49.820523	50.0	161023.0	0.284689	N
7	IC 180-335966/14	200.0	62.26677	50.0	177614.0	0.311334	N
8	IC 180-335966/15	250.0	80.226347	50.0	182728.0	0.320905	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

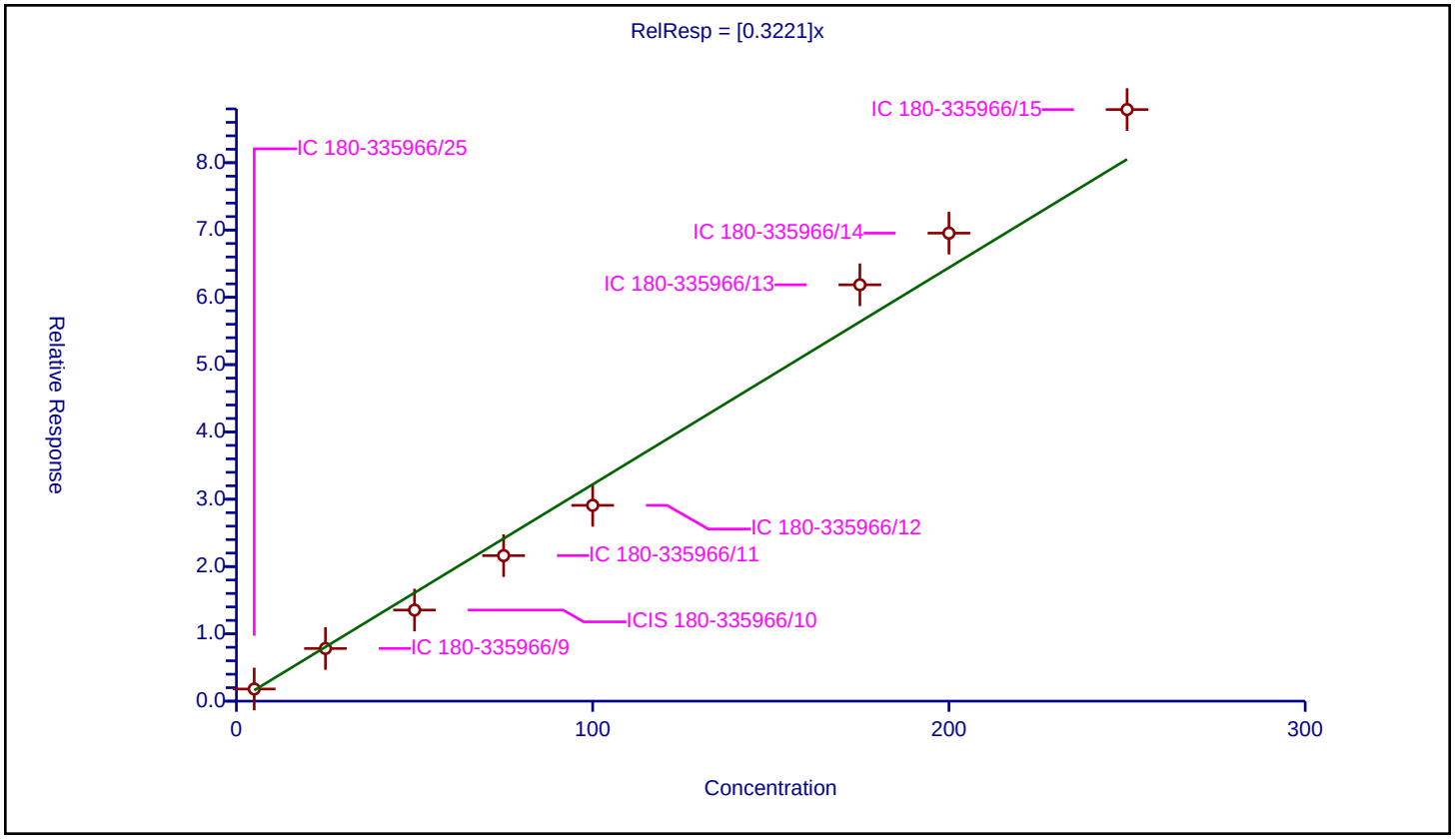
Curve Coefficients

Intercept:	0
Slope:	0.3221

Error Coefficients

Standard Error:	179000
Relative Standard Error:	11.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.803509	50.0	91017.0	0.360702	Y
2	IC 180-335966/9	25.0	7.825213	50.0	164692.0	0.313009	Y
3	ICIS 180-335966/10	50.0	13.535653	50.0	191051.0	0.270713	Y
4	IC 180-335966/11	75.0	21.623357	50.0	177595.0	0.288311	Y
5	IC 180-335966/12	100.0	29.092613	50.0	179317.0	0.290926	Y
6	IC 180-335966/13	175.0	61.863833	50.0	161023.0	0.353508	Y
7	IC 180-335966/14	200.0	69.536467	50.0	177614.0	0.347682	Y
8	IC 180-335966/15	250.0	87.902237	50.0	182728.0	0.351609	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

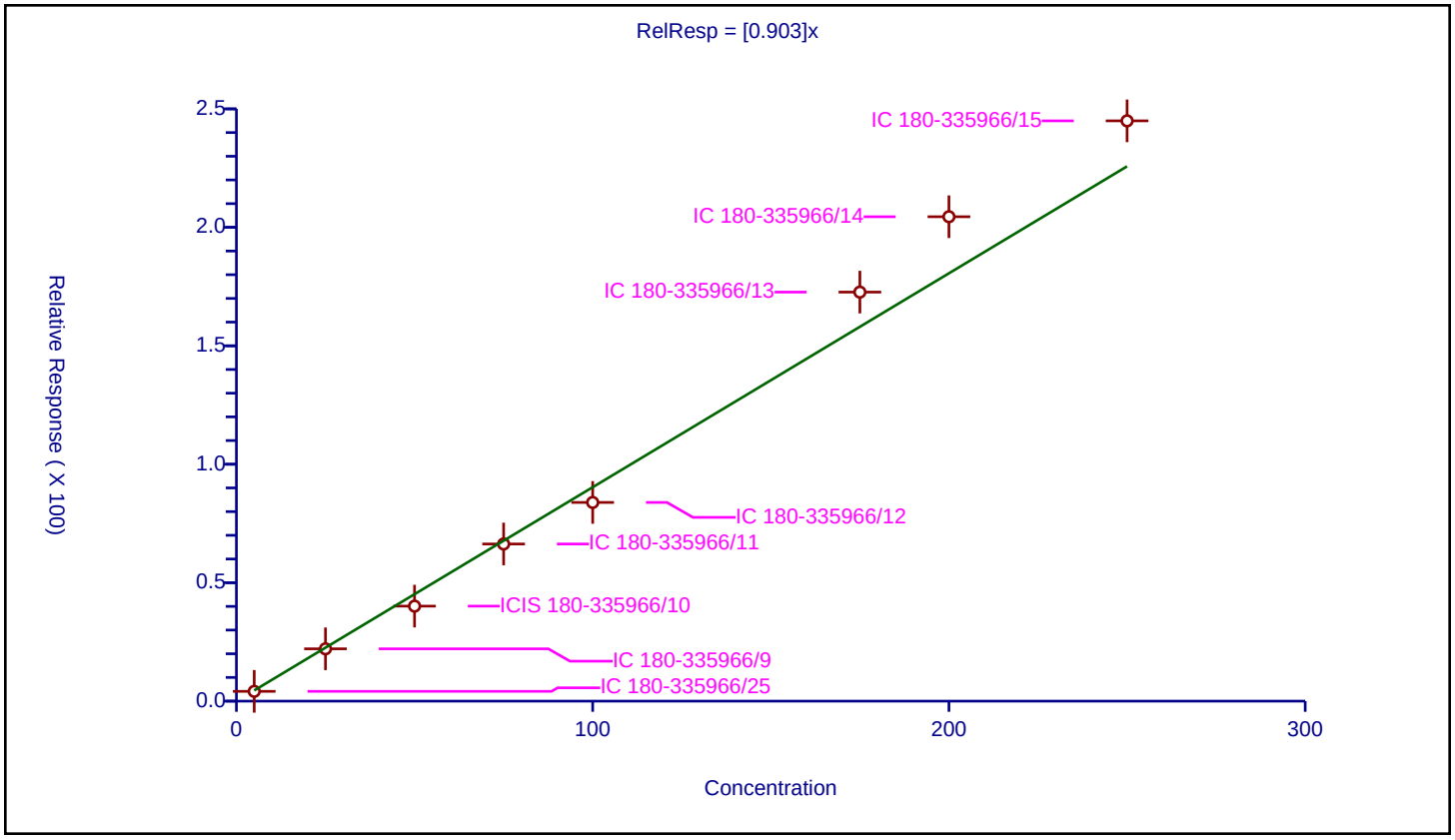
Curve Coefficients

Intercept:	0
Slope:	0.903

Error Coefficients

Standard Error:	509000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	4.131646	50.0	91017.0	0.826329	Y
2	IC 180-335966/9	25.0	22.083343	50.0	164692.0	0.883334	Y
3	ICIS 180-335966/10	50.0	40.111541	50.0	191051.0	0.802231	Y
4	IC 180-335966/11	75.0	66.334356	50.0	177595.0	0.884458	Y
5	IC 180-335966/12	100.0	83.871022	50.0	179317.0	0.83871	Y
6	IC 180-335966/13	175.0	172.657322	50.0	161023.0	0.986613	Y
7	IC 180-335966/14	200.0	204.474309	50.0	177614.0	1.022372	Y
8	IC 180-335966/15	250.0	244.946314	50.0	182728.0	0.979785	Y



Calibration / N-Propylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

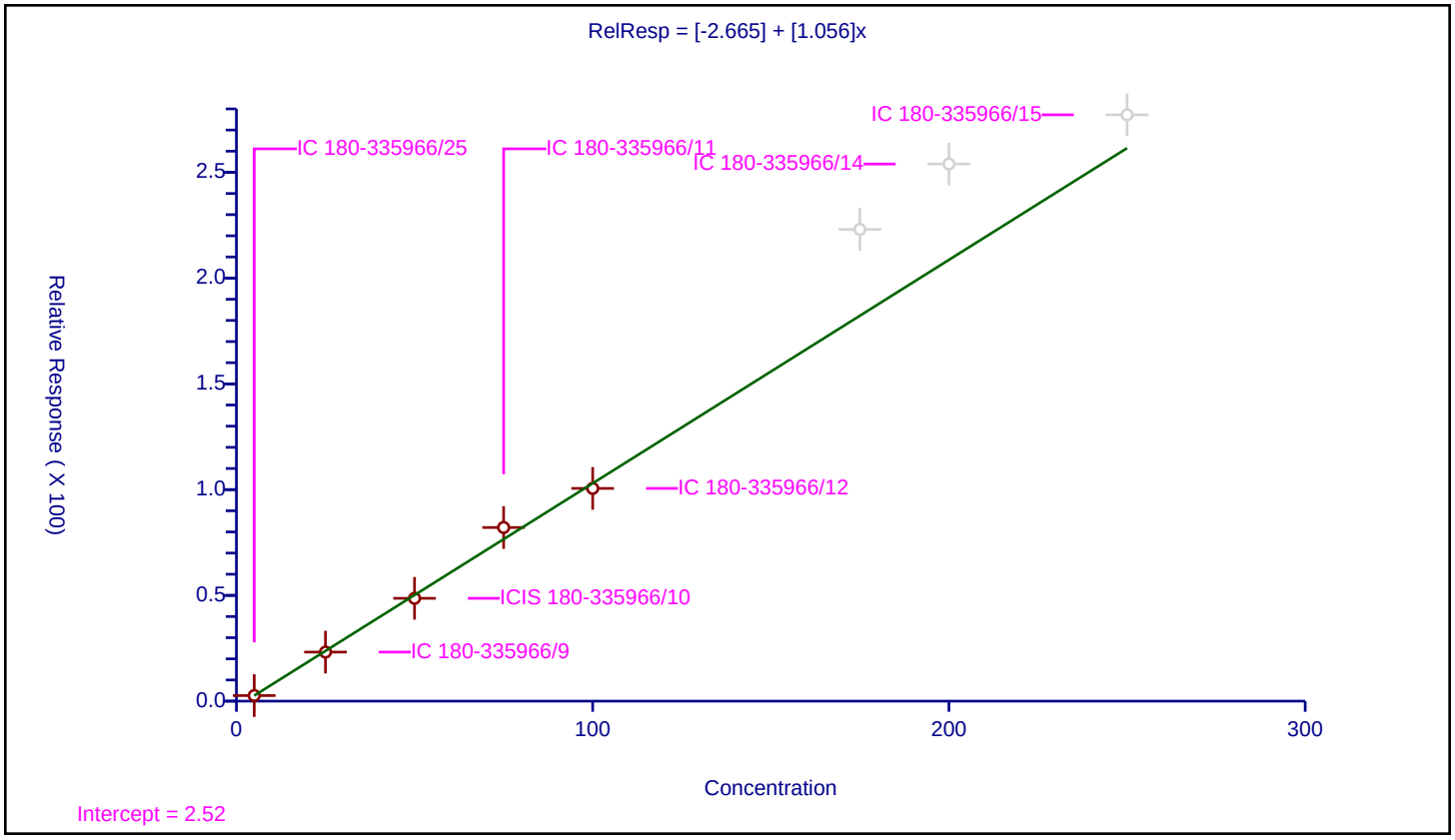
Curve Coefficients

Intercept:	-2.665
Slope:	1.056

Error Coefficients

Standard Error:	292000
Relative Standard Error:	4.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.63687	50.0	91017.0	0.527374	Y
2	IC 180-335966/9	25.0	23.187222	50.0	164692.0	0.927489	Y
3	ICIS 180-335966/10	50.0	48.607963	50.0	191051.0	0.972159	Y
4	IC 180-335966/11	75.0	82.092401	50.0	177595.0	1.094565	Y
5	IC 180-335966/12	100.0	100.571613	50.0	179317.0	1.005716	Y
6	IC 180-335966/13	175.0	223.022798	50.0	161023.0	1.274416	N
7	IC 180-335966/14	200.0	253.940568	50.0	177614.0	1.269703	N
8	IC 180-335966/15	250.0	277.210389	50.0	182728.0	1.108842	N



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

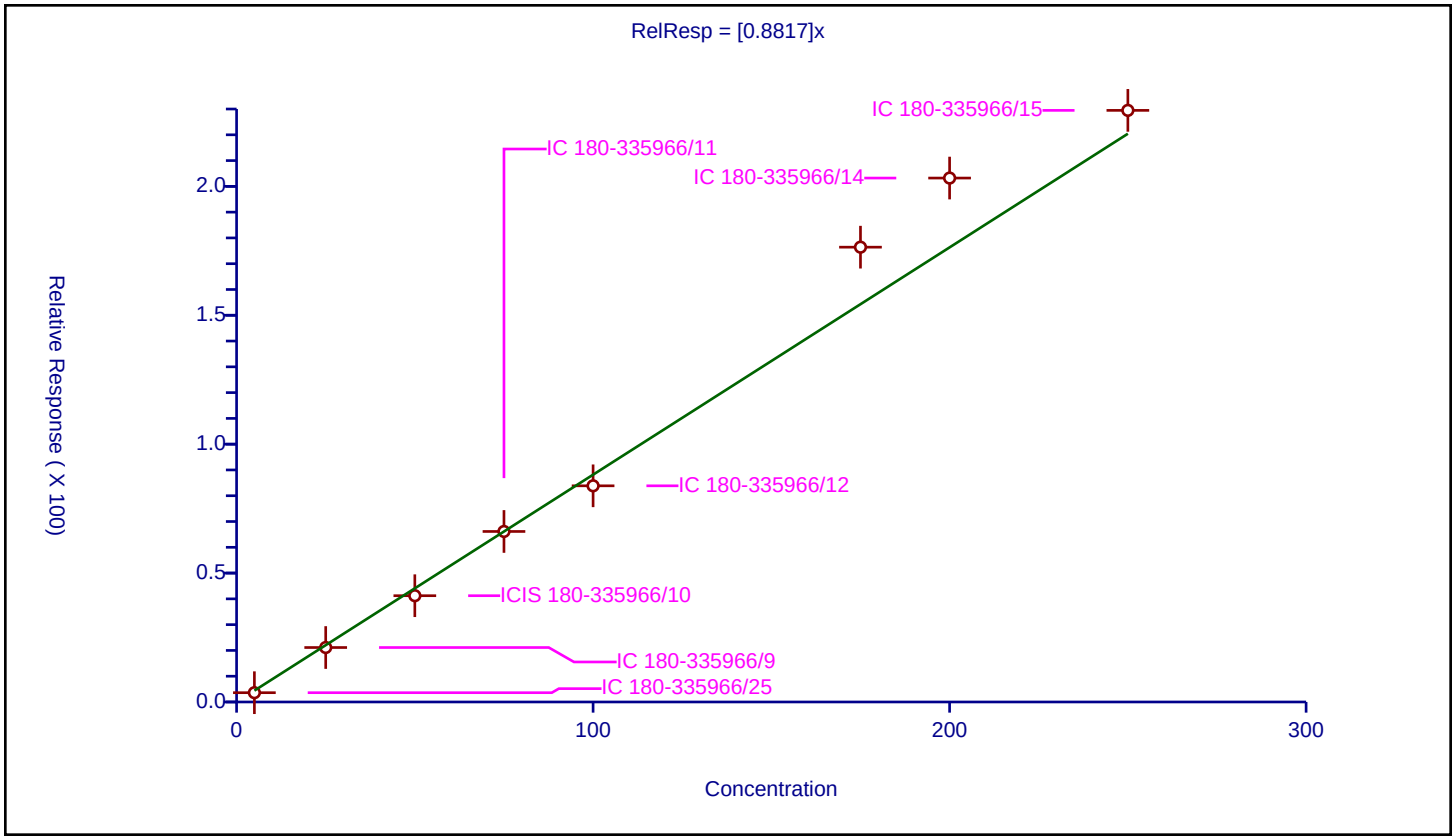
Curve Coefficients

Intercept:	0
Slope:	0.8817

Error Coefficients

Standard Error:	496000
Relative Standard Error:	11.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.607018	50.0	91017.0	0.721404	Y
2	IC 180-335966/9	25.0	21.12337	50.0	164692.0	0.844935	Y
3	ICIS 180-335966/10	50.0	41.221716	50.0	191051.0	0.824434	Y
4	IC 180-335966/11	75.0	66.141502	50.0	177595.0	0.881887	Y
5	IC 180-335966/12	100.0	83.844253	50.0	179317.0	0.838443	Y
6	IC 180-335966/13	175.0	176.412376	50.0	161023.0	1.008071	Y
7	IC 180-335966/14	200.0	203.224689	50.0	177614.0	1.016123	Y
8	IC 180-335966/15	250.0	229.476325	50.0	182728.0	0.917905	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

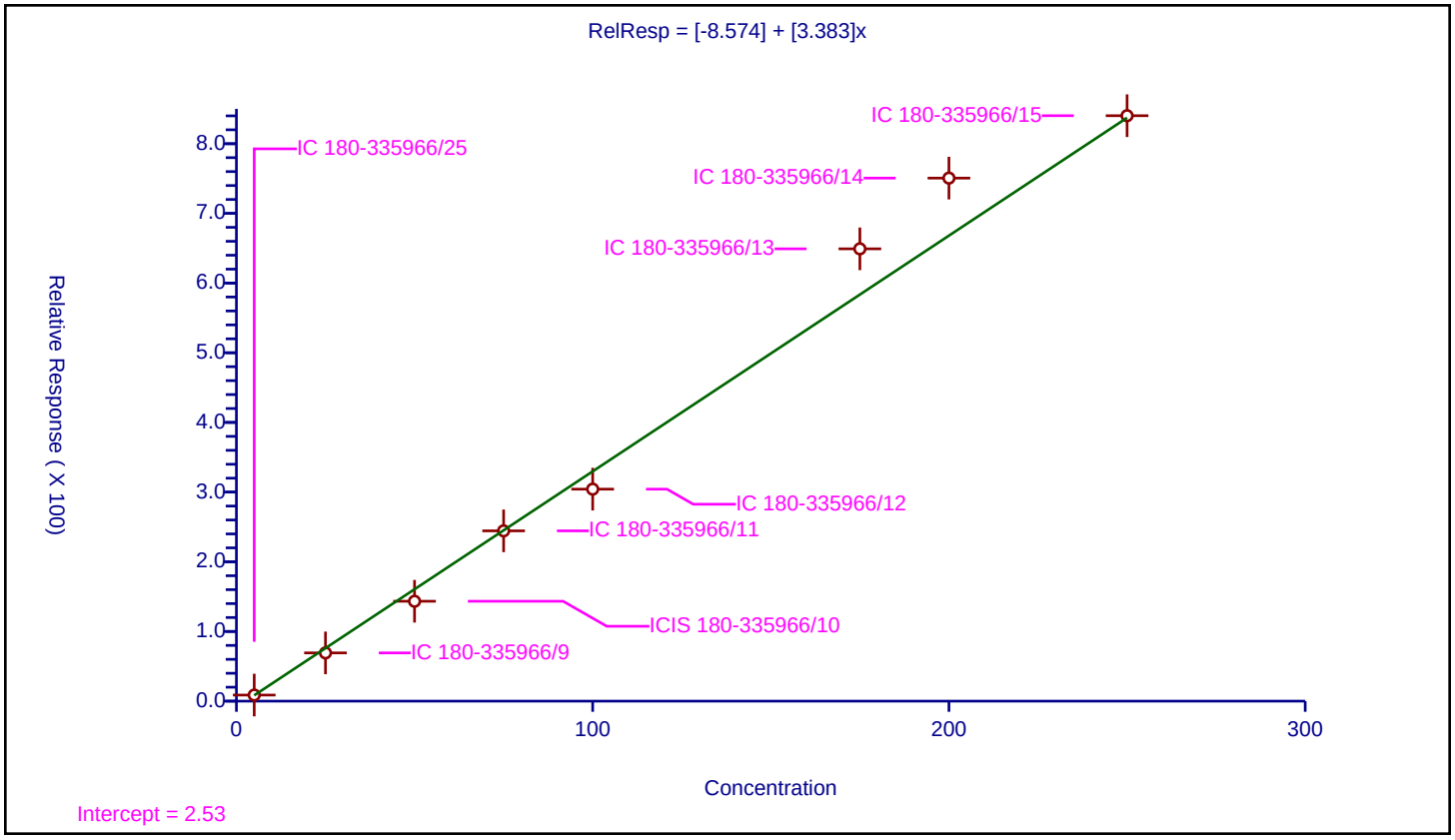
Curve Coefficients

Intercept:	-8.574
Slope:	3.383

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.746718	50.0	91017.0	1.749344	Y
2	IC 180-335966/9	25.0	69.243497	50.0	164692.0	2.76974	Y
3	ICIS 180-335966/10	50.0	143.351513	50.0	191051.0	2.86703	Y
4	IC 180-335966/11	75.0	244.404685	50.0	177595.0	3.258729	Y
5	IC 180-335966/12	100.0	304.26089	50.0	179317.0	3.042609	Y
6	IC 180-335966/13	175.0	649.156332	50.0	161023.0	3.709465	Y
7	IC 180-335966/14	200.0	750.670274	50.0	177614.0	3.753351	Y
8	IC 180-335966/15	250.0	840.202651	50.0	182728.0	3.360811	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

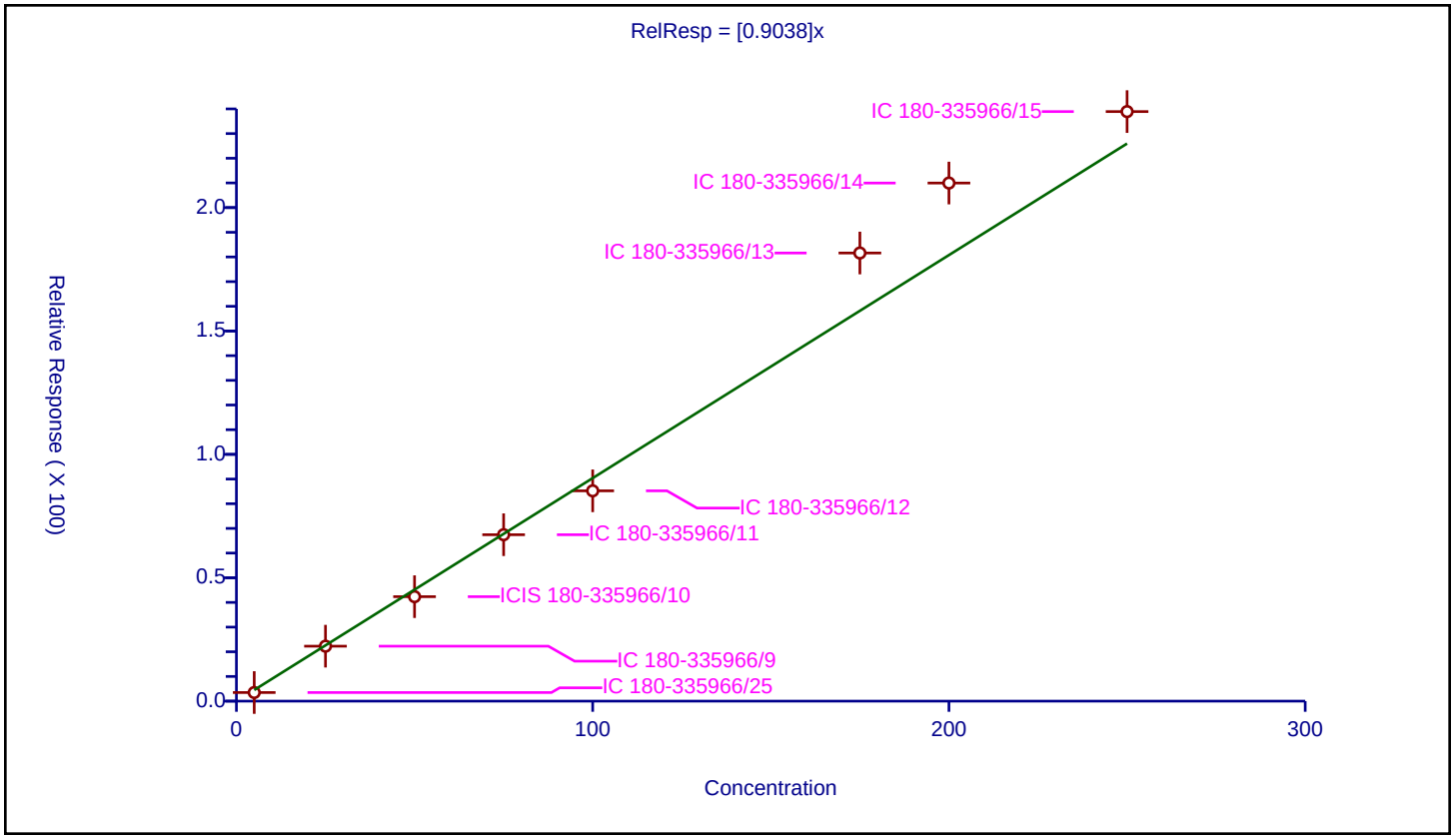
Curve Coefficients

Intercept:	0
Slope:	0.9038

Error Coefficients

Standard Error:	513000
Relative Standard Error:	12.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.490557	50.0	91017.0	0.698111	Y
2	IC 180-335966/9	25.0	22.276431	50.0	164692.0	0.891057	Y
3	ICIS 180-335966/10	50.0	42.334508	50.0	191051.0	0.84669	Y
4	IC 180-335966/11	75.0	67.445029	50.0	177595.0	0.899267	Y
5	IC 180-335966/12	100.0	85.225048	50.0	179317.0	0.85225	Y
6	IC 180-335966/13	175.0	181.598281	50.0	161023.0	1.037704	Y
7	IC 180-335966/14	200.0	209.950511	50.0	177614.0	1.049753	Y
8	IC 180-335966/15	250.0	238.909746	50.0	182728.0	0.955639	Y



Calibration / tert-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

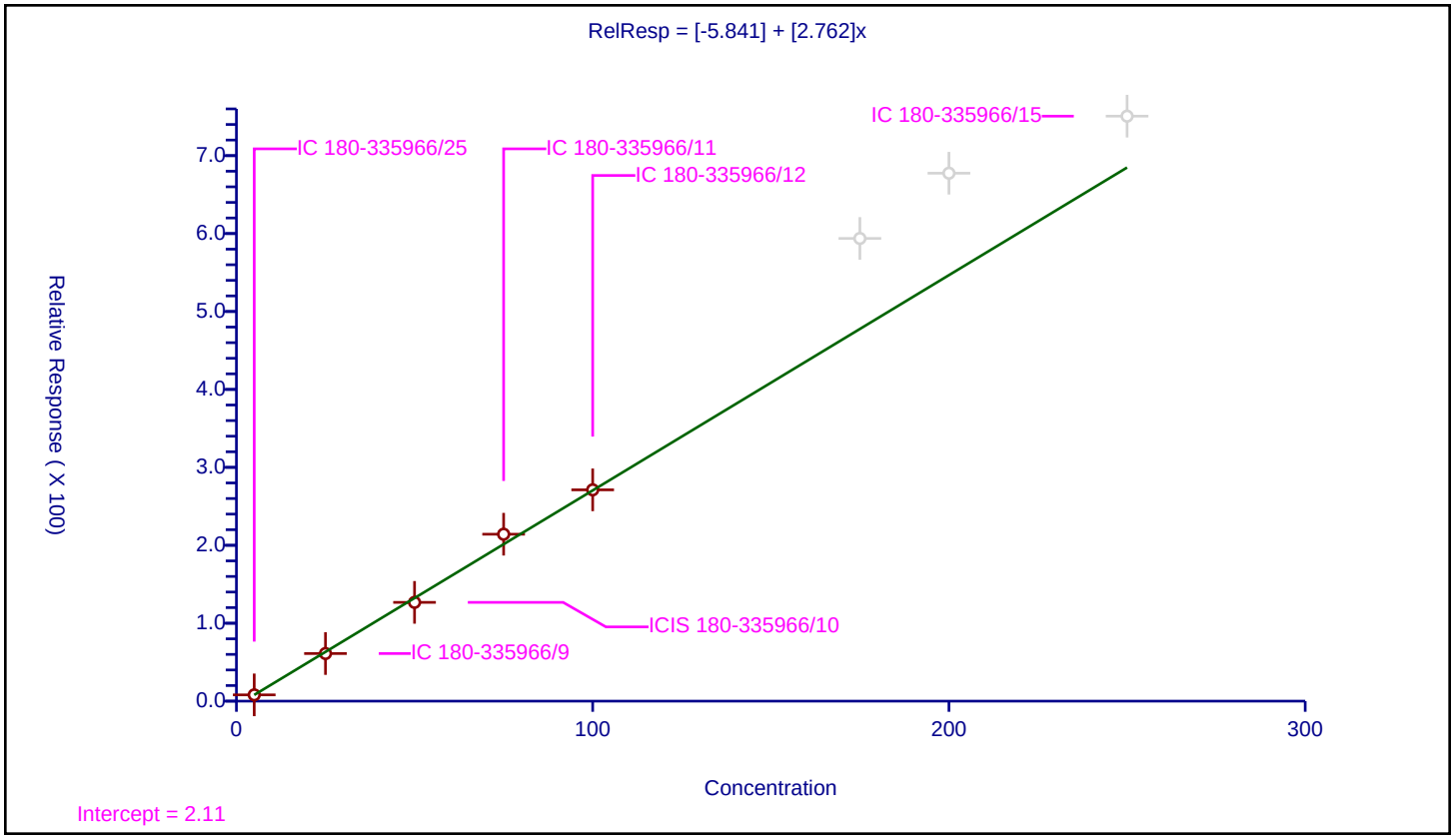
Curve Coefficients

Intercept:	-5.841
Slope:	2.762

Error Coefficients

Standard Error:	774000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.051793	50.0	91017.0	1.610359	Y
2	IC 180-335966/9	25.0	61.104365	50.0	164692.0	2.444175	Y
3	ICIS 180-335966/10	50.0	126.752804	50.0	191051.0	2.535056	Y
4	IC 180-335966/11	75.0	214.204792	50.0	177595.0	2.856064	Y
5	IC 180-335966/12	100.0	271.162243	50.0	179317.0	2.711622	Y
6	IC 180-335966/13	175.0	593.71301	50.0	161023.0	3.392646	N
7	IC 180-335966/14	200.0	677.461799	50.0	177614.0	3.387309	N
8	IC 180-335966/15	250.0	750.65644	50.0	182728.0	3.002626	N



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

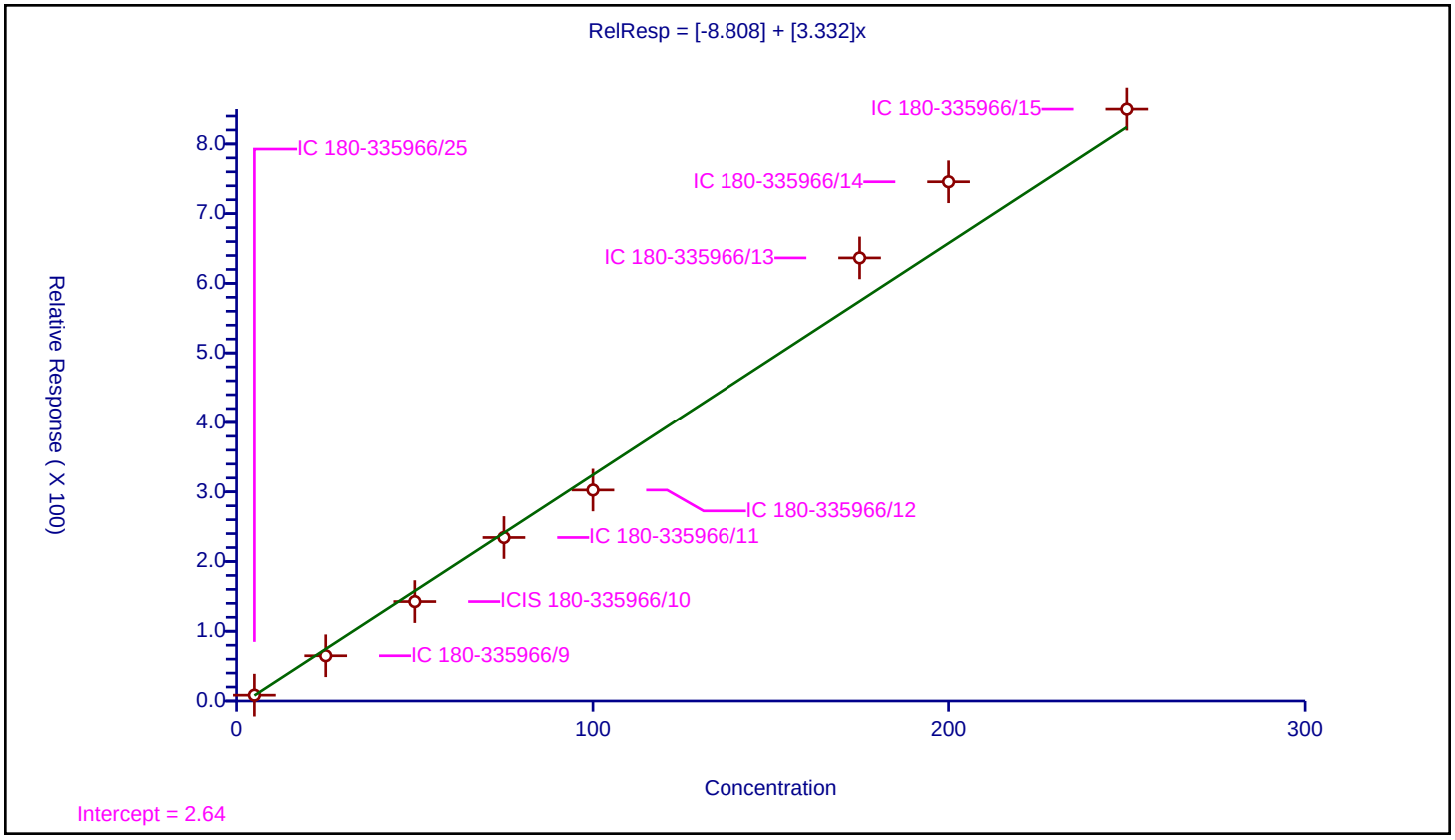
Curve Coefficients

Intercept:	-8.808
Slope:	3.332

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	9.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.362723	50.0	91017.0	1.672545	Y
2	IC 180-335966/9	25.0	64.832839	50.0	164692.0	2.593314	Y
3	ICIS 180-335966/10	50.0	142.523462	50.0	191051.0	2.850469	Y
4	IC 180-335966/11	75.0	234.421859	50.0	177595.0	3.125625	Y
5	IC 180-335966/12	100.0	302.659536	50.0	179317.0	3.026595	Y
6	IC 180-335966/13	175.0	636.551611	50.0	161023.0	3.637438	Y
7	IC 180-335966/14	200.0	745.790591	50.0	177614.0	3.728953	Y
8	IC 180-335966/15	250.0	849.938159	50.0	182728.0	3.399753	Y



Calibration / sec-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

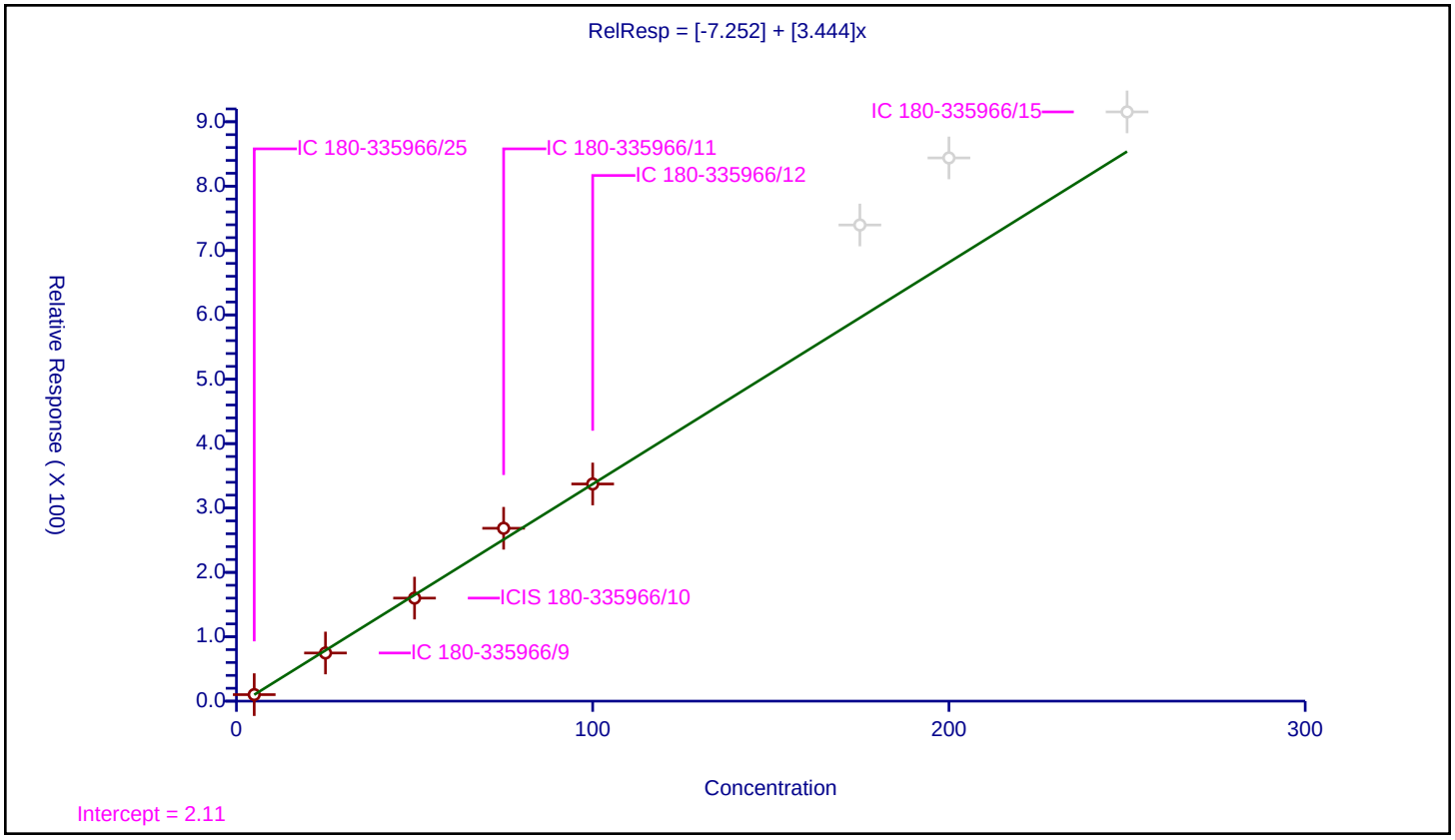
Curve Coefficients

Intercept:	-7.252
Slope:	3.444

Error Coefficients

Standard Error:	967000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	10.103607	50.0	91017.0	2.020721	Y
2	IC 180-335966/9	25.0	74.768963	50.0	164692.0	2.990759	Y
3	ICIS 180-335966/10	50.0	160.035802	50.0	191051.0	3.200716	Y
4	IC 180-335966/11	75.0	268.552606	50.0	177595.0	3.580701	Y
5	IC 180-335966/12	100.0	337.346152	50.0	179317.0	3.373462	Y
6	IC 180-335966/13	175.0	739.660483	50.0	161023.0	4.226631	N
7	IC 180-335966/14	200.0	843.834101	50.0	177614.0	4.219171	N
8	IC 180-335966/15	250.0	915.343297	50.0	182728.0	3.661373	N



Calibration / 4-Isopropyltoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

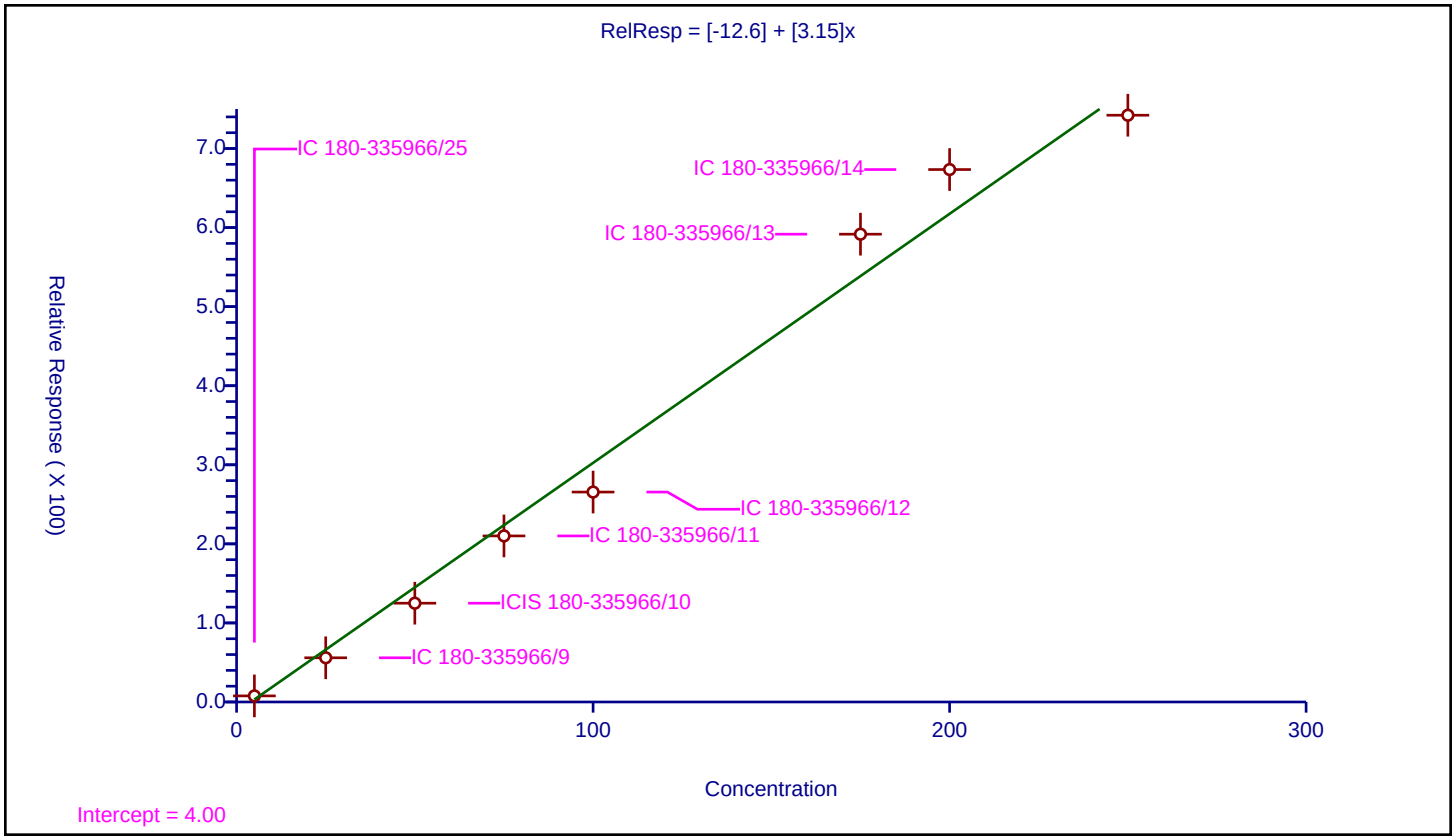
Curve Coefficients

Intercept:	-12.6
Slope:	3.15

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	15.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	7.69197	50.0	91017.0	1.538394	Y
2	IC 180-335966/9	25.0	55.911034	50.0	164692.0	2.236441	Y
3	ICIS 180-335966/10	50.0	124.941508	50.0	191051.0	2.49883	Y
4	IC 180-335966/11	75.0	210.056026	50.0	177595.0	2.800747	Y
5	IC 180-335966/12	100.0	265.527251	50.0	179317.0	2.655273	Y
6	IC 180-335966/13	175.0	591.671066	50.0	161023.0	3.380978	Y
7	IC 180-335966/14	200.0	673.45001	50.0	177614.0	3.36725	Y
8	IC 180-335966/15	250.0	742.14625	50.0	182728.0	2.968585	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

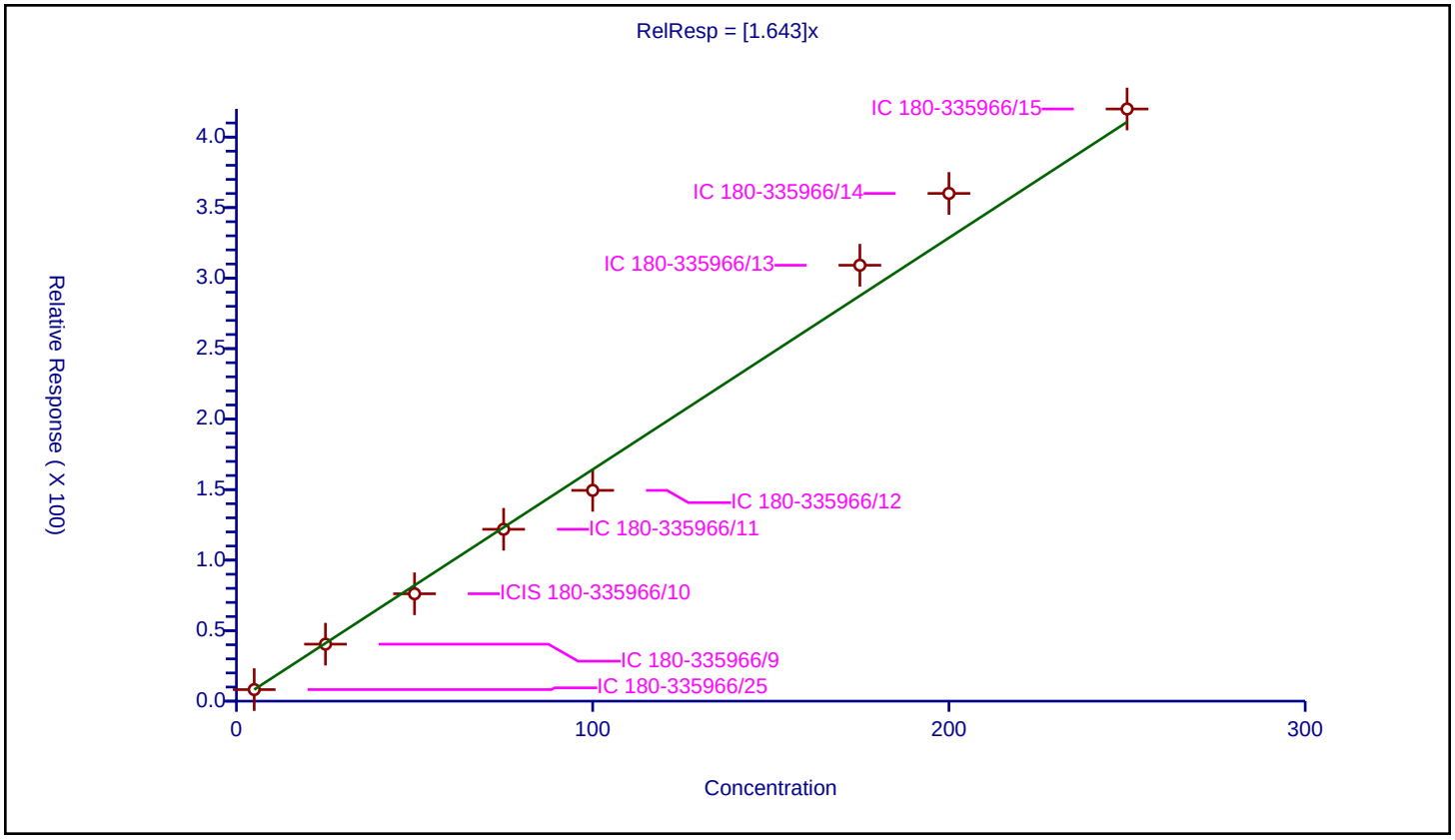
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	891000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.183636	50.0	91017.0	1.636727	Y
2	IC 180-335966/9	25.0	40.415139	50.0	164692.0	1.616606	Y
3	ICIS 180-335966/10	50.0	76.153488	50.0	191051.0	1.52307	Y
4	IC 180-335966/11	75.0	121.868296	50.0	177595.0	1.624911	Y
5	IC 180-335966/12	100.0	149.465472	50.0	179317.0	1.494655	Y
6	IC 180-335966/13	175.0	309.124473	50.0	161023.0	1.766426	Y
7	IC 180-335966/14	200.0	360.048194	50.0	177614.0	1.800241	Y
8	IC 180-335966/15	250.0	419.922781	50.0	182728.0	1.679691	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

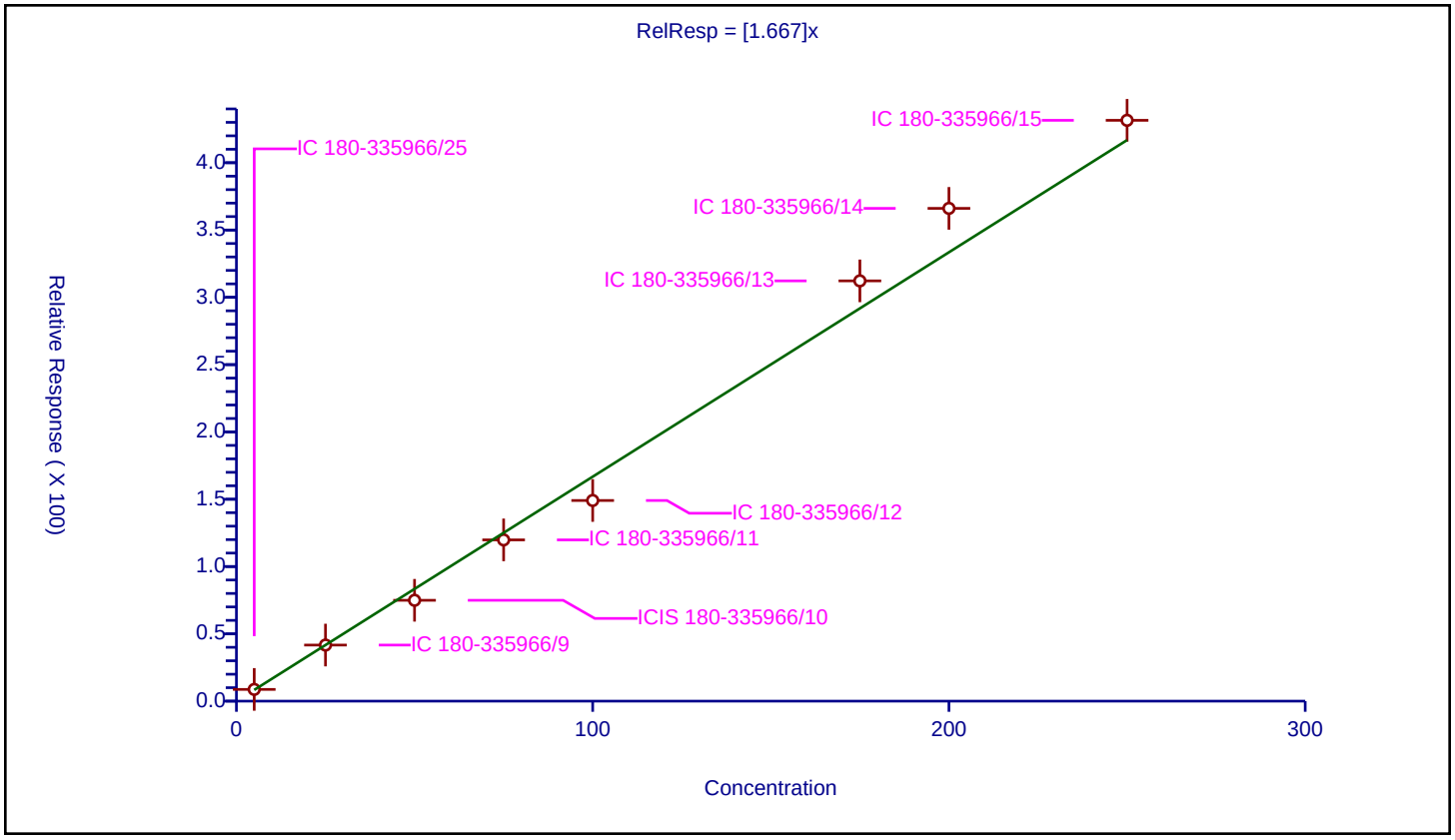
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Standard Error:	907000
Relative Standard Error:	7.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.724744	50.0	91017.0	1.744949	Y
2	IC 180-335966/9	25.0	41.665351	50.0	164692.0	1.666614	Y
3	ICIS 180-335966/10	50.0	74.923973	50.0	191051.0	1.498479	Y
4	IC 180-335966/11	75.0	119.800952	50.0	177595.0	1.597346	Y
5	IC 180-335966/12	100.0	149.071198	50.0	179317.0	1.490712	Y
6	IC 180-335966/13	175.0	312.228067	50.0	161023.0	1.78416	Y
7	IC 180-335966/14	200.0	366.093607	50.0	177614.0	1.830468	Y
8	IC 180-335966/15	250.0	431.507487	50.0	182728.0	1.72603	Y



Calibration / n-Butylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

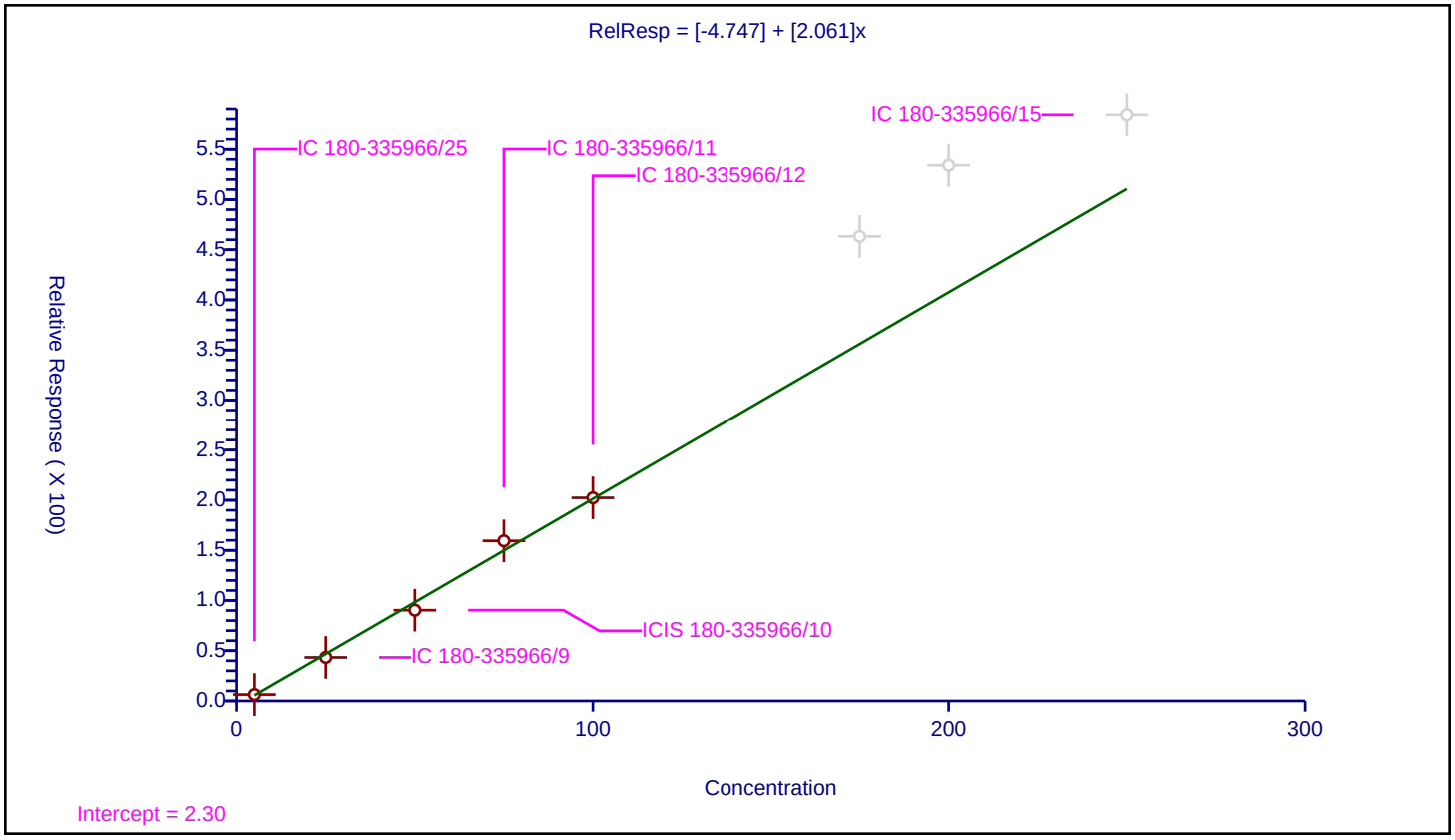
Curve Coefficients

Intercept:	-4.747
Slope:	2.061

Error Coefficients

Standard Error:	574000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.361449	50.0	91017.0	1.27229	Y
2	IC 180-335966/9	25.0	43.299007	50.0	164692.0	1.73196	Y
3	ICIS 180-335966/10	50.0	90.358857	50.0	191051.0	1.807177	Y
4	IC 180-335966/11	75.0	159.504209	50.0	177595.0	2.126723	Y
5	IC 180-335966/12	100.0	202.413324	50.0	179317.0	2.024133	Y
6	IC 180-335966/13	175.0	463.294685	50.0	161023.0	2.647398	N
7	IC 180-335966/14	200.0	534.108235	50.0	177614.0	2.670541	N
8	IC 180-335966/15	250.0	584.234764	50.0	182728.0	2.336939	N



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

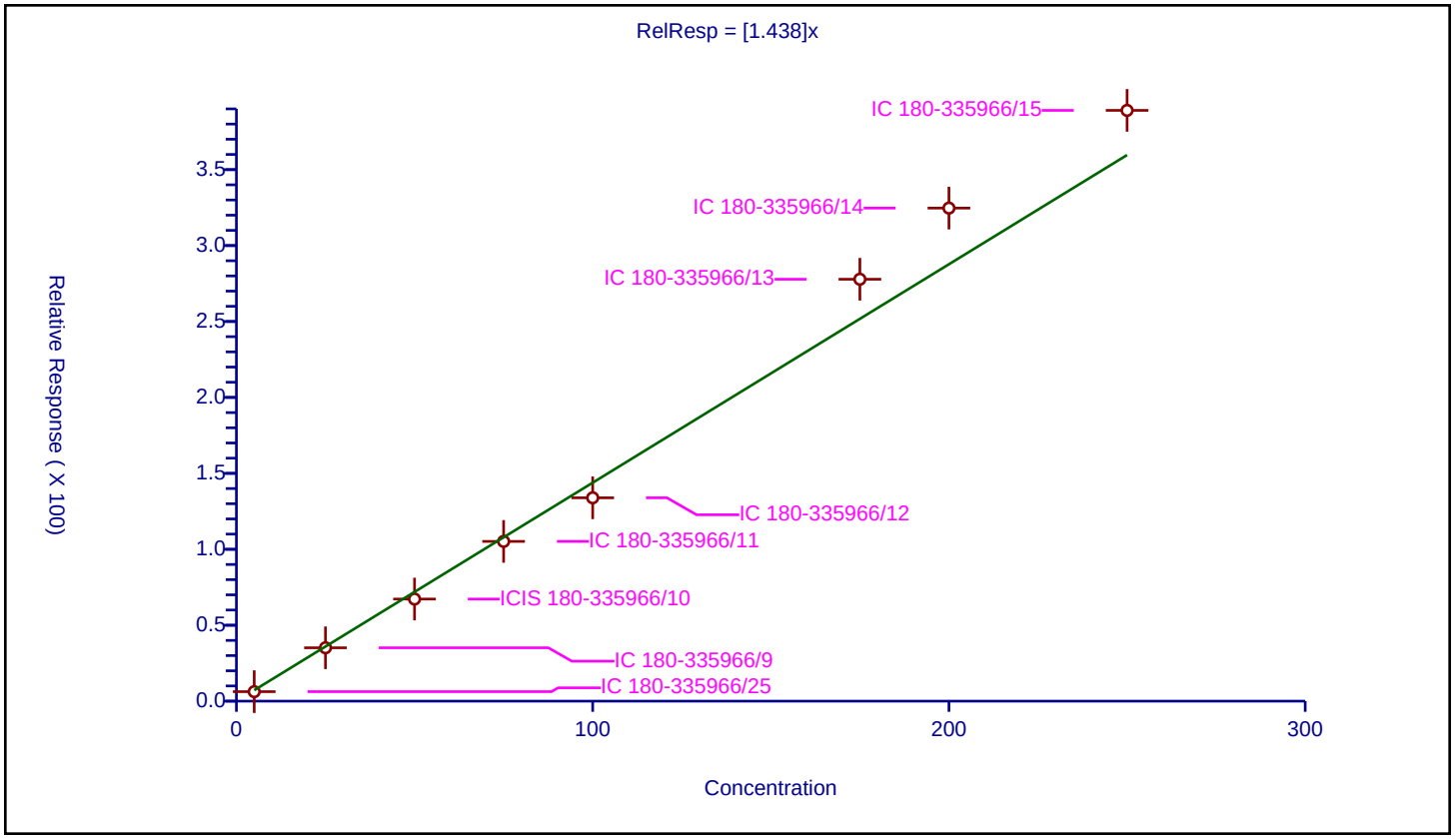
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Standard Error:	811000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.246086	50.0	91017.0	1.249217	Y
2	IC 180-335966/9	25.0	35.138622	50.0	164692.0	1.405545	Y
3	ICIS 180-335966/10	50.0	67.231786	50.0	191051.0	1.344636	Y
4	IC 180-335966/11	75.0	105.192714	50.0	177595.0	1.40257	Y
5	IC 180-335966/12	100.0	133.902809	50.0	179317.0	1.339028	Y
6	IC 180-335966/13	175.0	277.830186	50.0	161023.0	1.587601	Y
7	IC 180-335966/14	200.0	324.66613	50.0	177614.0	1.623331	Y
8	IC 180-335966/15	250.0	389.009074	50.0	182728.0	1.556036	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

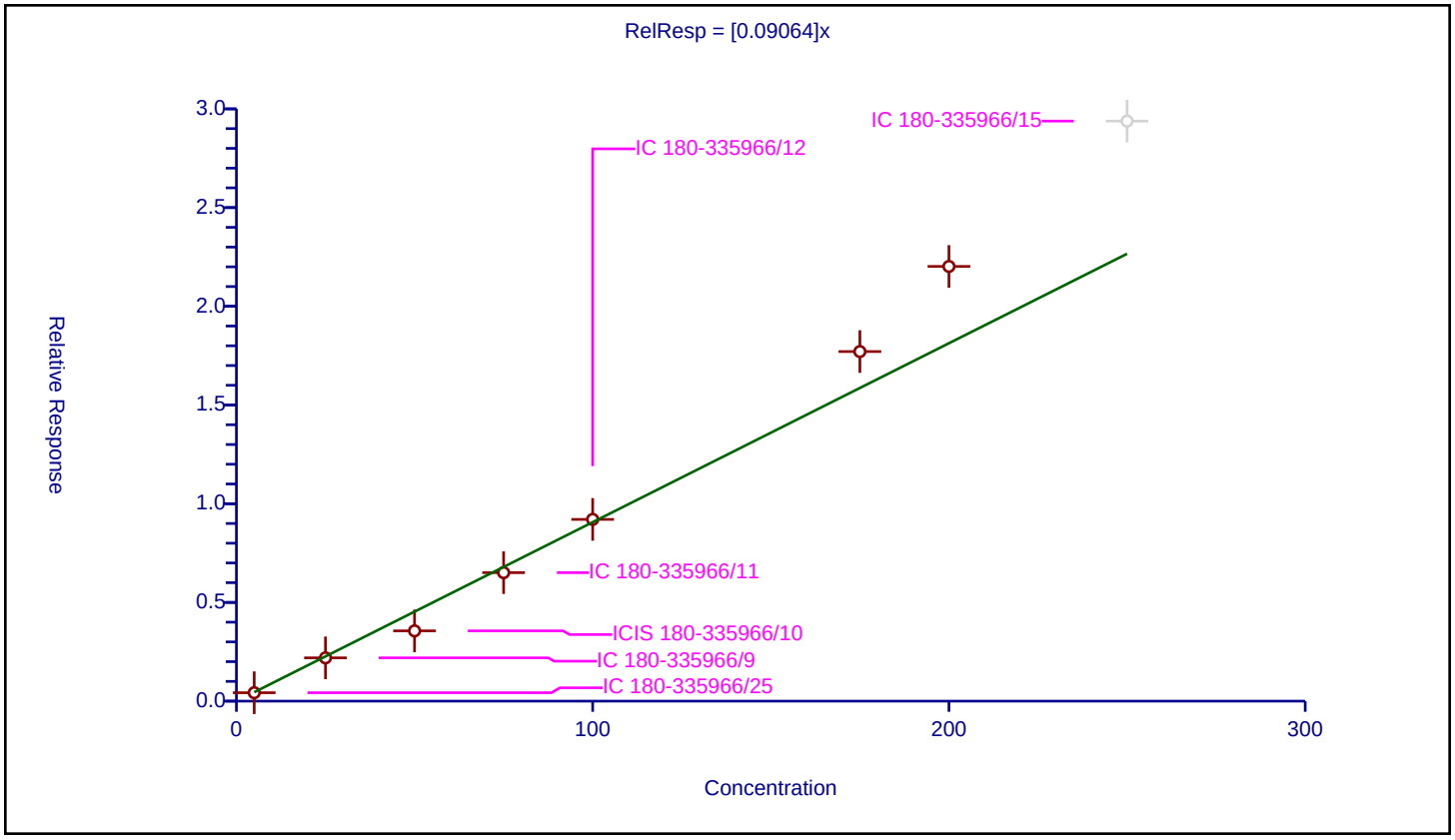
Curve Coefficients

Intercept:	0
Slope:	0.09064

Error Coefficients

Standard Error:	43300
Relative Standard Error:	13.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.427393	50.0	91017.0	0.085479	Y
2	IC 180-335966/9	25.0	2.192578	50.0	164692.0	0.087703	Y
3	ICIS 180-335966/10	50.0	3.559782	50.0	191051.0	0.071196	Y
4	IC 180-335966/11	75.0	6.508348	50.0	177595.0	0.086778	Y
5	IC 180-335966/12	100.0	9.205485	50.0	179317.0	0.092055	Y
6	IC 180-335966/13	175.0	17.707719	50.0	161023.0	0.101187	Y
7	IC 180-335966/14	200.0	22.019661	50.0	177614.0	0.110098	Y
8	IC 180-335966/15	250.0	29.38247	50.0	182728.0	0.11753	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

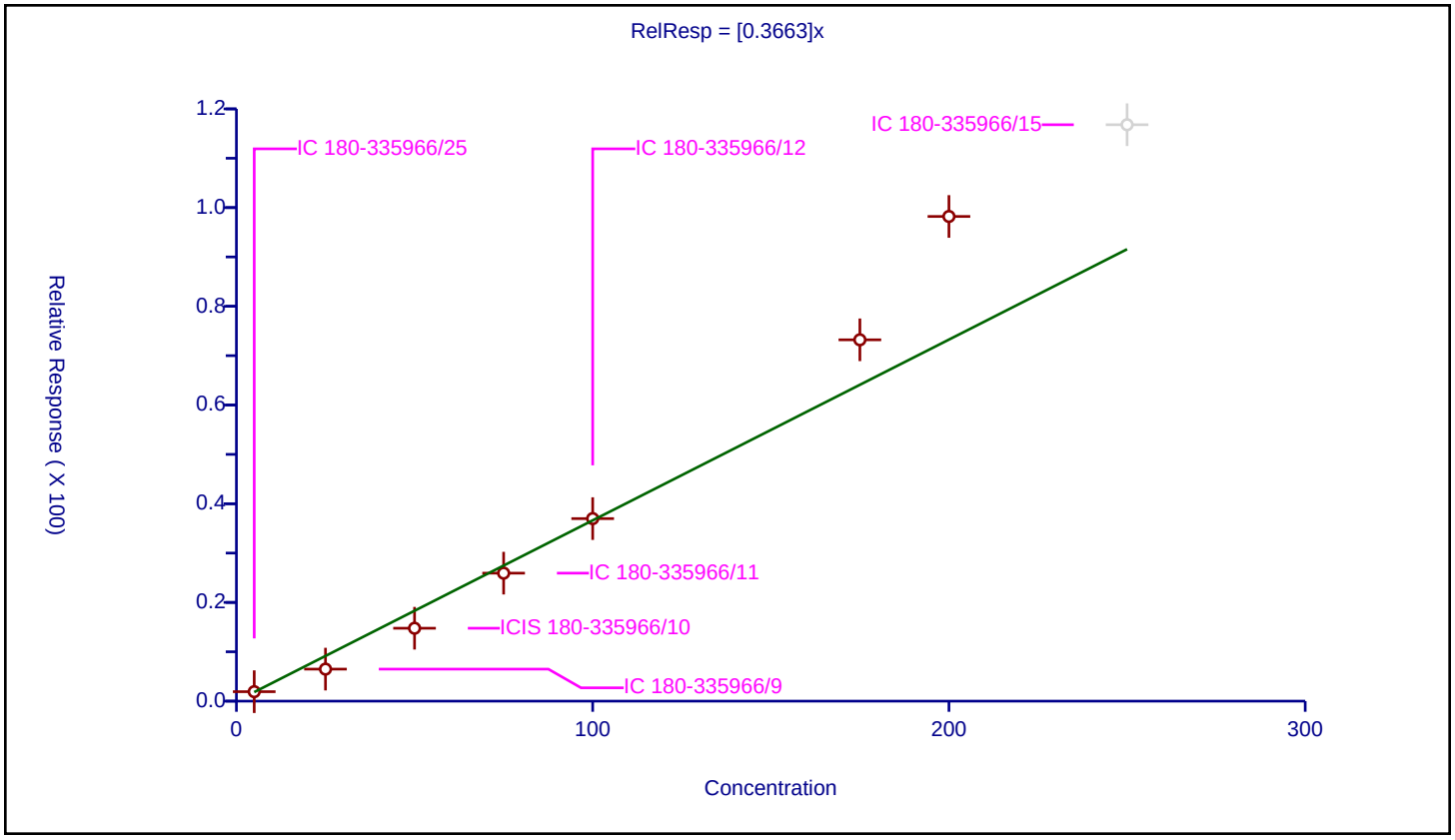
Curve Coefficients

Intercept:	0
Slope:	0.3663

Error Coefficients

Standard Error:	186000
Relative Standard Error:	21.0
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.918872	50.0	91017.0	0.383774	Y
2	IC 180-335966/9	25.0	6.489993	50.0	164692.0	0.2596	Y
3	ICIS 180-335966/10	50.0	14.772757	50.0	191051.0	0.295455	Y
4	IC 180-335966/11	75.0	25.933726	50.0	177595.0	0.345783	Y
5	IC 180-335966/12	100.0	36.985339	50.0	179317.0	0.369853	Y
6	IC 180-335966/13	175.0	73.214696	50.0	161023.0	0.41837	Y
7	IC 180-335966/14	200.0	98.204815	50.0	177614.0	0.491024	Y
8	IC 180-335966/15	250.0	116.791351	50.0	182728.0	0.467165	N



Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

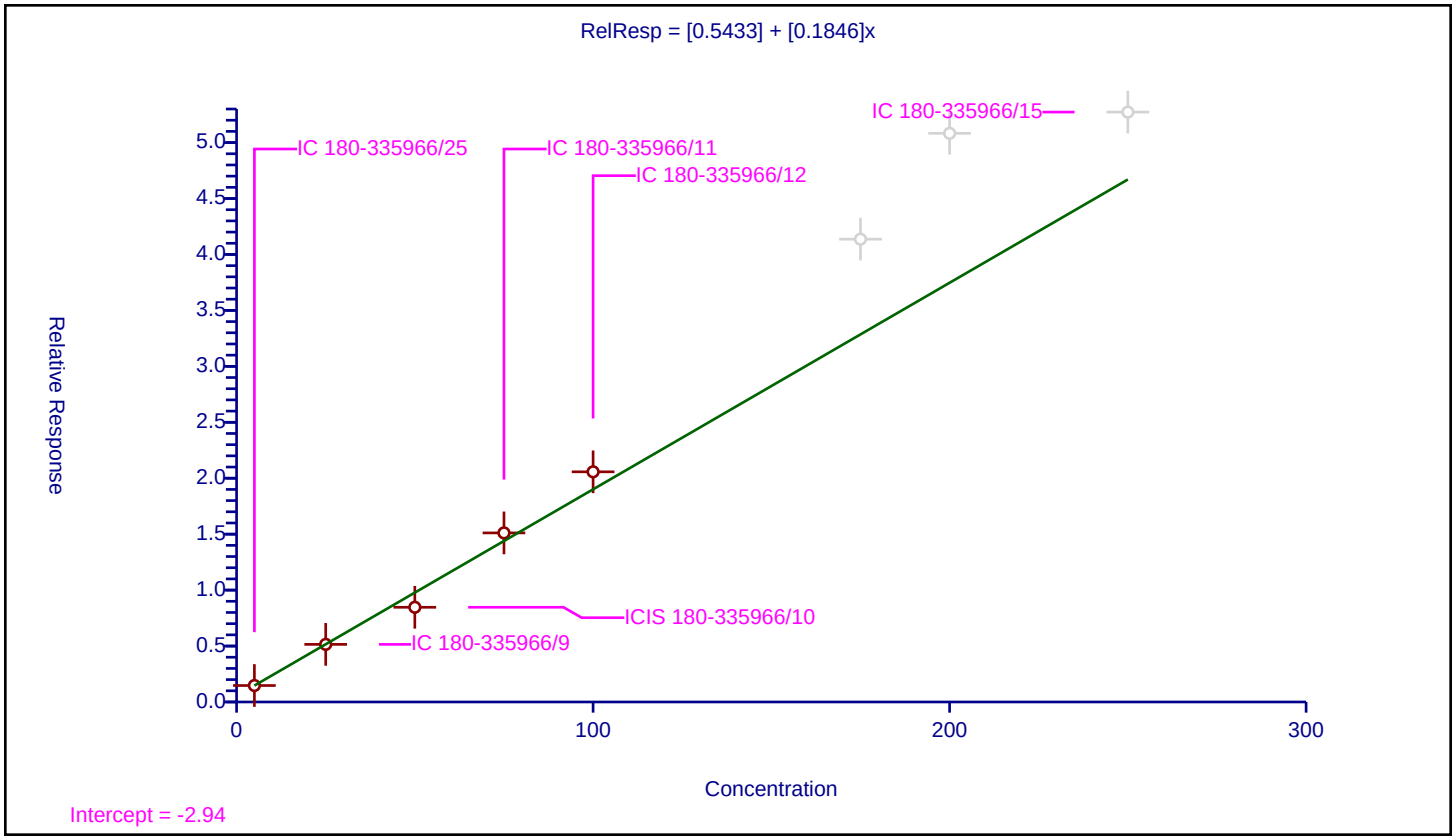
Curve Coefficients

Intercept:	0.5433
Slope:	0.1846

Error Coefficients

Standard Error:	56700
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.472802	50.0	91017.0	0.29456	Y
2	IC 180-335966/9	25.0	5.15022	50.0	164692.0	0.206009	Y
3	ICIS 180-335966/10	50.0	8.464232	50.0	191051.0	0.169285	Y
4	IC 180-335966/11	75.0	15.111912	50.0	177595.0	0.201492	Y
5	IC 180-335966/12	100.0	20.573621	50.0	179317.0	0.205736	Y
6	IC 180-335966/13	175.0	41.365519	50.0	161023.0	0.236374	N
7	IC 180-335966/14	200.0	50.827074	50.0	177614.0	0.254135	N
8	IC 180-335966/15	250.0	52.727004	50.0	182728.0	0.210908	N



Calibration / Naphthalene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

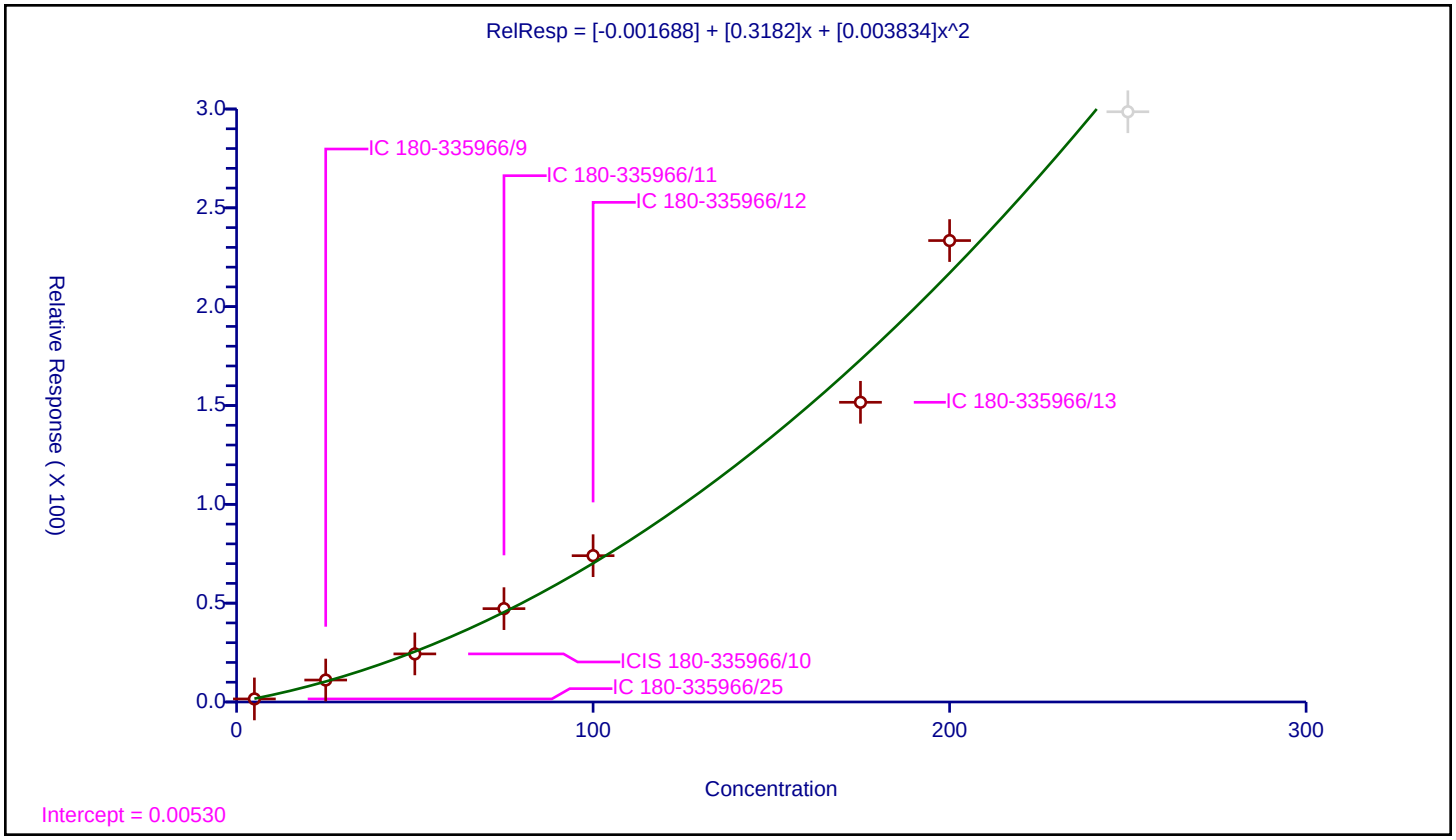
Curve Coefficients

Intercept:	-0.001688
Slope:	0.3182
Second Order:	0.003834

Error Coefficients

Standard Error:	508000
Relative Standard Error:	7.2
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.543668	50.0	91017.0	0.308734	Y
2	IC 180-335966/9	25.0	11.105579	50.0	164692.0	0.444223	Y
3	ICIS 180-335966/10	50.0	24.324918	50.0	191051.0	0.486498	Y
4	IC 180-335966/11	75.0	47.222895	50.0	177595.0	0.629639	Y
5	IC 180-335966/12	100.0	74.023656	50.0	179317.0	0.740237	Y
6	IC 180-335966/13	175.0	151.617781	50.0	161023.0	0.866387	Y
7	IC 180-335966/14	200.0	233.445843	50.0	177614.0	1.167229	Y
8	IC 180-335966/15	250.0	298.615428	50.0	182728.0	1.194462	N



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

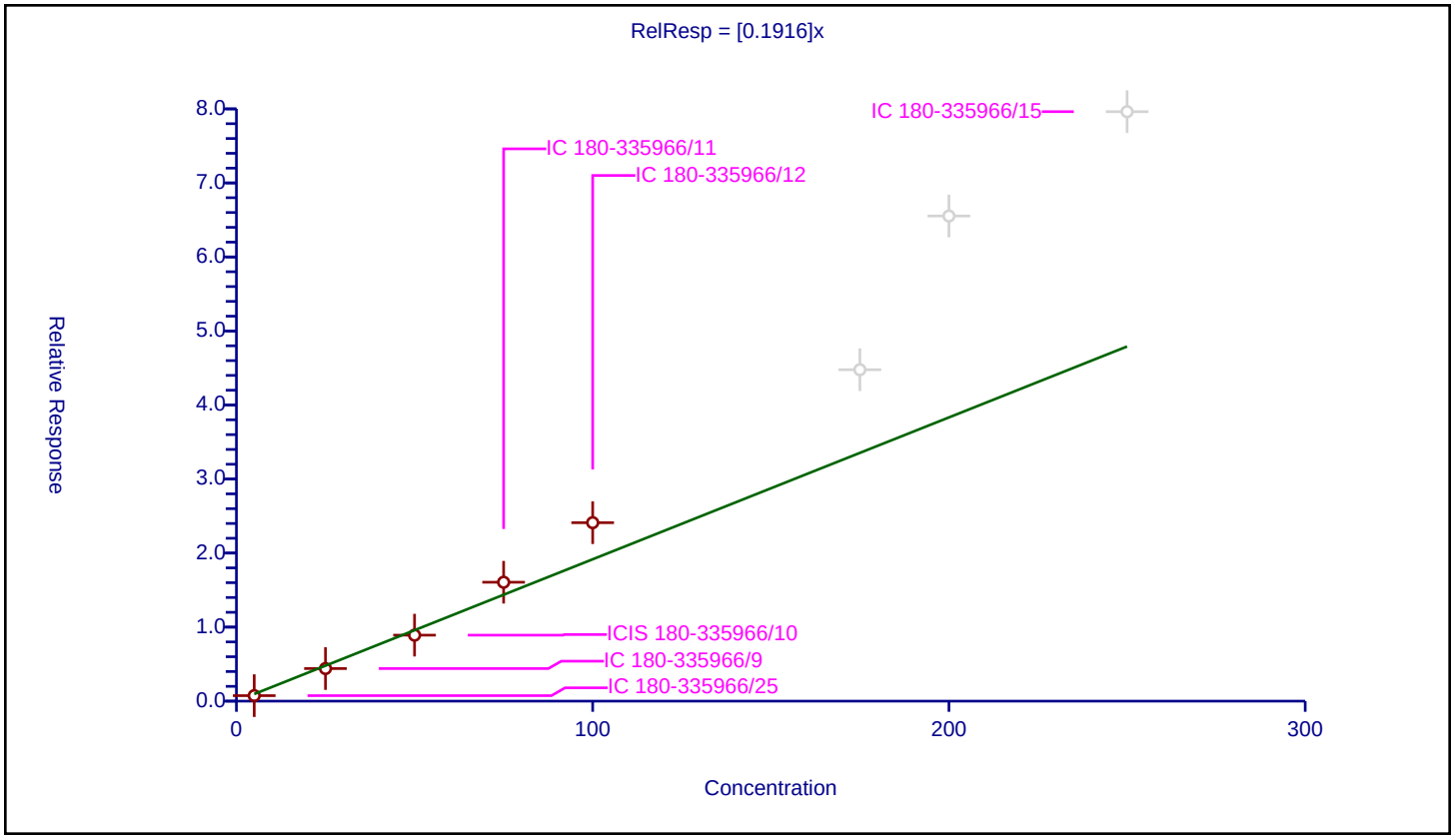
Curve Coefficients

Intercept:	0
Slope:	0.1916

Error Coefficients

Standard Error:	55000
Relative Standard Error:	18.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.743268	50.0	91017.0	0.148654	Y
2	IC 180-335966/9	25.0	4.400032	50.0	164692.0	0.176001	Y
3	ICIS 180-335966/10	50.0	8.911757	50.0	191051.0	0.178235	Y
4	IC 180-335966/11	75.0	16.061263	50.0	177595.0	0.21415	Y
5	IC 180-335966/12	100.0	24.107028	50.0	179317.0	0.24107	Y
6	IC 180-335966/13	175.0	44.767207	50.0	161023.0	0.255813	N
7	IC 180-335966/14	200.0	65.530307	50.0	177614.0	0.327652	N
8	IC 180-335966/15	250.0	79.625181	50.0	182728.0	0.318501	N



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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3784 0.3817	0.3771 0.3655	0.3208 0.2955	0.3374	0.3151	Ave		0.3464				9.7		35.0			
Chloromethane	0.4516 0.4315	0.4262 0.4343	0.3774 0.3795	0.3896	0.3778	Ave		0.4085			0.1000	7.4		35.0			
Vinyl chloride	0.3594 0.3799	0.3359 0.3720	0.3174 0.3082	0.3387	0.3140	Ave		0.3407				8.0		35.0			
Butadiene	0.5589 0.4298	0.4294 0.4221	0.3774 +++++	0.3811	0.3723	Lin2	0.8363	0.3893							0.9950		0.9900
Bromomethane	0.2477 0.1974	0.2169 0.1972	0.1885 0.1759	0.1857	0.1752	Lin	0.4584	0.1839							0.9910		0.9900
Chloroethane	0.2758 0.2425	0.2395 0.2422	0.2226 0.2073	0.2205	0.2052	Ave		0.2319				10.0		35.0			
Dichlorofluoromethane	0.6089 0.5781	0.5591 0.5567	0.4870 0.5079	0.5318	0.4966	Ave		0.5408				7.9		35.0			
Trichlorofluoromethane	0.5107 0.5169	0.4897 0.4995	0.4280 0.4094	0.4634	0.4282	Ave		0.4682				9.0		35.0			
Ethyl ether	0.2473 0.2629	0.2309 0.2783	0.2132 0.2872	0.2179	0.2266	Ave		0.2455				11.4		35.0			
1,1-Dichloroethene	0.2387 0.2440	0.2177 0.2429	0.2088 0.2003	0.2173	0.2008	Ave		0.2213				8.3		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3141 0.2744	0.2601 0.2673	0.2427 0.2192	0.2486	0.2308	Ave		0.2572				11.5		35.0			
Acetone	0.0762 0.1180	0.1074 0.1198	0.1000 +++++	0.1057	0.1117	Ave		0.1055				13.9		35.0			
Iodomethane	0.3313 0.3478	0.3331 0.3562	0.3016 0.3351	0.3082	0.2990	Ave		0.3266				6.5		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7411 0.7352	0.6658 0.7343	0.6051 0.6192	0.6493	0.6122	Ave		0.6703				8.7		35.0			
Methyl acetate	0.2229 0.2423	0.2113 0.2515	0.1893 0.2597	0.1965	0.2062	Ave		0.2225				11.8		35.0			
3-Chloro-1-propene	0.1437 0.1596	0.1285 0.1626	0.1177 0.1443	0.1319	0.1290	Ave		0.1397				11.3		35.0			
Methylene Chloride	0.6084 0.2898	0.3402 0.3073	0.2749 0.2946	0.2745	0.2748	Lin1	1.3680	0.2821							0.9950		0.9900
2-Methyl-2-propanol	1.0137 1.1460	1.1205 1.2812	1.0965 1.4105	1.1754	1.1138	Ave		1.1697				10.5		35.0			
Acrylonitrile	0.1162 0.1329	0.1076 0.1376	0.0993 0.1445	0.1037	0.1133	Ave		0.1194				14.1		35.0			
Methyl tert-butyl ether	0.5665 +++++	0.6006 +++++	0.5842 +++++	0.6176	0.6546	Ave		0.6047				5.6		35.0			
trans-1,2-Dichloroethene	0.3501 0.2977	0.2688 0.3026	0.2541 +++++	0.2672	0.2553	Ave		0.2851				12.1		35.0			
Hexane	0.3910 0.5096	0.4145 0.5009	0.4101 0.4073	0.4399	0.4145	Ave		0.4360				10.3		35.0			
1,1-Dichloroethane	0.5967 0.5741	0.5382 0.5874	0.4872 0.5425	0.5068	0.4872	Ave		0.5400			0.1000	8.1		35.0			
2-Butanone (MEK)	0.0701 0.1583	0.1362 0.1574	0.1293 0.1612	0.1388	0.1429	Lin	-3.041	0.1658							0.9990		0.9900
cis-1,2-Dichloroethene	0.3557 0.3185	0.2886 0.3276	0.2713 0.3118	0.2741	0.2733	Ave		0.3026				10.2		35.0			
2,2-Dichloropropane	0.1001 0.0726	0.0669 0.0731	0.0629 0.0660	0.0682	0.0618	Ave		0.0714				17.2		35.0			
Chlorobromomethane	0.1764 0.1347	0.1287 0.1427	0.1200 0.1401	0.1158	0.1181	Ave		0.1346				14.6		35.0			
Tetrahydrofuran	0.0727 +++++	0.0736 +++++	0.0654 +++++	0.0759	0.0785	Ave		0.0732				6.7		35.0			
Chloroform	0.5768 0.5153	0.5030 0.5303	0.4455 0.5023	0.4524	0.4539	Ave		0.4974				9.1		35.0			
1,1,1-Trichloroethane	0.4650 0.4668	0.4187 0.4683	0.3893 0.3988	0.4034	0.3823	Ave		0.4241				8.7		35.0			
Cyclohexane	0.4199 +++++	0.5358 +++++	0.5276 +++++	0.5808	0.5471	Ave		0.5222				11.6		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.3117 0.4345	0.3710 0.4294	0.3487 0.3635	0.3782	0.3542	Ave		0.3739				11.0		35.0			
Carbon tetrachloride	0.3614 0.3800	0.3345 0.3787	0.3085 0.3224	0.3260	0.3182	Ave		0.3412				8.3		35.0			
Isobutyl alcohol	0.0063 0.0106	0.0083 0.0104	0.0082 0.0112	0.0085	0.0090	Ave		0.0091				17.6		35.0			
Benzene	1.1063 1.2600	1.1496 1.2909	1.0712 1.1937	1.1134	1.0864	Ave		1.1589				7.0		35.0			
1,2-Dichloroethane	0.4490 0.4537	0.4117 0.4792	0.3798 0.4731	0.3883	0.4013	Ave		0.4295				9.1		35.0			
n-Heptane	0.2411 +++++	0.3131 +++++	0.3121 +++++	0.3445	0.3289	Ave		0.3080				12.9		35.0			
Trichloroethene	0.2971 0.3062	0.2615 0.3101	0.2449 0.2765	0.2587	0.2566	Ave		0.2764				9.0		35.0			
Methylcyclohexane	0.3403 +++++	0.3879 +++++	0.4085 +++++	0.4530	0.4301	Lin1	-0.613	0.4387							0.9980		0.9900
1,2-Dichloropropane	0.3159 0.3286	0.2928 0.3402	0.2805 0.3288	0.2912	0.2853	Ave		0.3079				7.5		35.0			
1,4-Dioxane	0.0016 +++++	0.0026 +++++	0.0022 +++++	0.0027	0.0026	Lin	-0.169	0.0027							0.9910		0.9900
Dibromomethane	0.1632 0.1545	0.1404 0.1616	0.1227 0.1663	0.1306	0.1370	Ave		0.1471				11.2		35.0			
Dichlorobromomethane	0.3080 0.3463	0.2998 0.3723	0.2806 0.3679	0.2937	0.3044	Ave		0.3216				11.0		35.0			
cis-1,3-Dichloropropene	0.2809 +++++	0.3127 +++++	0.3032 +++++	0.3349	0.3472	Ave		0.3158				8.3		35.0			
4-Methyl-2-pentanone (MIBK)	0.3018 1.3928	0.9902 1.4403	1.0057 1.4520	1.1740	1.2797	Lin2	-28.33	1.4448							0.9940		0.9900
Toluene	4.5220 6.3200	5.4042 6.2658	5.2341 5.6386	5.9614	5.5302	Ave		5.6096				10.5		35.0			
Ethyl methacrylate	0.6549 1.5276	0.8992 1.5985	0.9595 +++++	1.1413	1.1962	Qua	-1.552	0.8439	0.0038611						1.0000		0.9900
trans-1,3-Dichloropropene	1.2680 1.8018	1.3461 +++++	1.3499 +++++	1.5540	1.5855	Ave		1.4842				13.5		35.0			
1,1,2-Trichloroethane	1.1542 1.1099	1.0740 1.1416	0.9817 1.1462	1.0507	1.0240	Ave		1.0853				5.8		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

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								
Tetrachloroethene	1.0582 1.1719	1.1097 1.1103	1.0269 0.9497	1.1186	1.0020	Ave		1.0684				6.8		35.0			
2-Hexanone	0.1974 0.9151	0.6330 0.9481	0.6560 0.9555	0.7828	0.8619	Lin2	-18.94	0.9544							0.9950		0.9900
1,3-Dichloropropane	1.7398 2.1614	1.9078 2.2078	1.7978 2.2006	1.9639	1.9890	Ave		1.9960				9.0		35.0			
Chlorodibromomethane	0.9690 0.9937	0.8335 1.0408	0.7824 1.0536	0.8498	0.8645	Ave		0.9234				11.2		35.0			
Ethylene Dibromide	1.0821 1.0371	0.8999 1.0848	0.8335 1.1005	0.9440	0.9236	Ave		0.9882				10.2		35.0			
Chlorobenzene	3.0768 3.6083	3.3199 3.6779	3.0822 3.4786	3.3594	3.2699	Ave		3.3591			0.3000	6.6		35.0			
Ethylbenzene	1.2623 +++++	1.6548 +++++	1.7182 +++++	1.9678	1.9069	Lin1	-4.006	1.9290							0.9970		0.9900
1,1,1,2-Tetrachloroethane	1.1042 1.1591	1.0406 1.1885	0.9882 1.1380	1.0490	1.0390	Ave		1.0883				6.4		35.0			
m-Xylene & p-Xylene	1.5196 2.6428	2.0686 2.6816	2.1012 2.4285	2.4267	2.3118	Lin1	-7.408	2.5486							0.9950		0.9900
o-Xylene	1.3440 +++++	1.8513 +++++	1.8937 +++++	2.2106	2.1869	Lin	-9.246	2.2682							0.9950		0.9900
Styrene	1.7359 3.8471	2.6274 3.9924	2.9210 3.8042	3.3776	3.3382	Lin1	-16.52	3.8210							0.9940		0.9900
Bromoform	0.4490 0.4836	0.3947 +++++	0.3659 +++++	0.4167	0.4291	Ave		0.4232			0.1000	9.7		35.0			
Isopropylbenzene	3.1624 6.7009	4.8909 6.7433	5.0915 5.9526	5.9782	5.6968	Lin2	-15.52	6.1052							0.9910		0.9900
1,1,2,2-Tetrachloroethane	1.1179 1.2429	1.1301 1.2774	1.0361 1.2783	1.1474	1.1232	Ave		1.1692			0.3000	7.5		35.0			
trans-1,4-Dichloro-2-butene	0.1858 +++++	0.1964 +++++	0.1866 +++++	0.2199	0.2231	Lin1	-0.251	0.2165							0.9940		0.9900
1,2,3-Trichloropropane	0.3607 0.3535	0.3130 0.3477	0.2707 0.3516	0.2883	0.2909	Ave		0.3221				11.0		35.0			
Bromobenzene	0.8263 0.9866	0.8833 1.0224	0.8022 0.9798	0.8845	0.8387	Ave		0.9030				9.2		35.0			
N-Propylbenzene	0.5274 +++++	0.9275 +++++	0.9722 +++++	1.0946	1.0057	Lin2	-2.665	1.0565							0.9980		0.9900

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.7214 1.0081	0.8449 1.0161	0.8244 0.9179	0.8819	0.8384	Ave		0.8817				11.1		35.0			
1,3,5-Trimethylbenzene	1.7493 3.7095	2.7697 3.7534	2.8670 3.3608	3.2587	3.0426	Lin2	-8.574	3.3833							0.9920		0.9900
4-Chlorotoluene	0.6981 1.0377	0.8911 1.0498	0.8467 0.9556	0.8993	0.8523	Ave		0.9038				12.6		35.0			
tert-Butylbenzene	1.6104 +++++	2.4442 +++++	2.5351 +++++	2.8561	2.7116	Lin2	-5.841	2.7625							0.9980		0.9900
1,2,4-Trimethylbenzene	1.6725 3.6374	2.5933 3.7290	2.8505 3.3998	3.1256	3.0266	Lin2	-8.808	3.3325							0.9900		0.9900
sec-Butylbenzene	2.0207 +++++	2.9908 +++++	3.2007 +++++	3.5807	3.3735	Lin2	-7.252	3.4442							0.9980		0.9900
4-Isopropyltoluene	1.5384 3.3810	2.2364 3.3673	2.4988 2.9686	2.8007	2.6553	Lin1	-12.60	3.1502							0.9900		0.9900
1,3-Dichlorobenzene	1.6367 1.7664	1.6166 1.8002	1.5231 1.6797	1.6249	1.4947	Ave		1.6428				6.5		35.0			
1,4-Dichlorobenzene	1.7449 1.7842	1.6666 1.8305	1.4985 1.7260	1.5973	1.4907	Ave		1.6673				7.7		35.0			
n-Butylbenzene	1.2723 +++++	1.7320 +++++	1.8072 +++++	2.1267	2.0241	Lin1	-4.747	2.0615							0.9960		0.9900
1,2-Dichlorobenzene	1.2492 1.5876	1.4055 1.6233	1.3446 1.5560	1.4026	1.3390	Ave		1.4385				9.4		35.0			
1,2-Dibromo-3-Chloropropane	0.0855 0.1012	0.0877 0.1101	0.0712 +++++	0.0868	0.0921	Ave		0.0906				13.7		35.0			
1,2,4-Trichlorobenzene	0.3838 0.4184	0.2596 0.4910	0.2955 +++++	0.3458	0.3699	Ave		0.3663				21.0		35.0			
Hexachlorobutadiene	0.2946 +++++	0.2060 +++++	0.1693 +++++	0.2015	0.2057	Lin2	0.5433	0.1846							0.9900		0.9900
Naphthalene	0.3087 +++++	0.4442 +++++	0.4865 +++++	0.6296	0.7402	Ave		0.5219				32.1		35.0			
1,2,3-Trichlorobenzene	0.1487 +++++	0.1760 +++++	0.1782 +++++	0.2142	0.2411	Ave		0.1916				18.9		35.0			
Dibromofluoromethane (Surr)	+++++ 0.2150	0.2002 0.2142	0.1963 0.2246	0.2133	0.2188	Ave		0.2118				4.7		35.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3235	0.3134 0.3476	0.3117 0.3351	0.3391	0.3349	Ave		0.3293				4.1		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

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								
Toluene-d8 (Surr)	+++++ 4.5918	4.0205 +++++	4.2011 +++++	4.9063	4.6867	Ave		4.4813				8.1		35.0			
4-Bromofluorobenzene (Surr)	+++++ 1.5412	1.3171 1.5155	1.3470 1.5649	1.5401	1.5866	Ave		1.4875				7.3		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	15100 745184	114668 872601	211611 883329	320843	380353	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	18021 842498	129580 1036786	248965 1134366	370456	455985	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	14342 741670	102139 888095	209380 921287	322115	378968	5.00 175	25.0 200	50.0 250	75.0	100
Butadiene	FB	Lin2	22306 839154	130544 1007668	248954 +++++	362414	449318	5.00 175	25.0 200	50.0 +++++	75.0	100
Bromomethane	FB	Lin	9885 385310	65937 470832	124315 525833	176620	211505	5.00 175	25.0 200	50.0 250	75.0	100
Chloroethane	FB	Ave	11007 473377	72826 578080	146861 619755	209637	247684	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorofluoromethane	FB	Ave	24299 1128742	169984 1329027	321208 1518170	505716	599410	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	20380 1009276	148883 1192370	282317 1223795	440636	516831	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl ether	FB	Ave	9870 513339	70198 664453	140605 858517	207230	273468	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethene	FB	Ave	9528 476297	66191 579907	137717 598741	206606	242319	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	12537 535828	79091 638062	160060 655389	236412	278619	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Ave	15200 460912	65322 571930	131973 +++++	200998	269581	25.0 350	50.0 400	100 +++++	150	200
Iodomethane	FB	Ave	13221	101289	198968	293049	360930	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			679025	850385	1001720			175	200	250		
Carbon disulfide	FB	Ave	29575 1435357	202428 1752803	399135 1850851	617437	738892	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Ave	17788 946033	128474 1200806	249701 1552385	373766	497821	10.0 350	50.0 400	100 500	150	200
3-Chloro-1-propene	FB	Ave	5735 311579	39071 388186	77619 431280	125459	155658	5.00 175	25.0 200	50.0 250	75.0	100
Methylene Chloride	FB	Lin1	24279 565880	103446 733511	181307 880652	261013	331688	5.00 175	25.0 200	50.0 250	75.0	100
2-Methyl-2-propanol	TBAd9	Ave	7780 475429	58270 647659	118829 840352	191081	251818	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	46376 2593990	327197 3285828	654687 4319686	986461	1366935	50.0 1750	250 2000	500 2500	750	1000
Methyl tert-butyl ether	FB	Ave	22607 +++++	182603 +++++	385370 +++++	587228	790136	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
trans-1,2-Dichloroethene	FB	Ave	13973 581182	81719 722420	167597 +++++	254097	308160	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexane	FB	Ave	15606 994929	126043 1195781	270509 1217455	418312	500285	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	23812 1120797	163631 1402144	321385 1621674	481915	588048	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Lin	13993 618125	82848 751617	170571 963829	263964	345063	25.0 350	50.0 400	100 500	150	200
cis-1,2-Dichloroethene	FB	Ave	14197 621793	87746 781917	178932 932012	260676	329821	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	3995 141690	20339 174589	41473 197160	64829	74624	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	7039 262957	39132 340592	79182 418685	110149	142503	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Ave	5800 +++++	44726 +++++	86225 +++++	144297	189452	10.0 +++++	50.0 +++++	100 +++++	150	200
Chloroform	FB	Ave	23020 1006069	152940 1265843	293828 1501363	430197	547876	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	18558 911477	127299 1117814	256757 1192137	383543	461491	5.00 175	25.0 200	50.0 250	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Cyclohexane	FB	Ave	16756 +++++	162905 +++++	348015 +++++	552246	660324	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,1-Dichloropropene	FB	Ave	12438 848242	112793 1024928	229994 1086528	359640	427465	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	14422 741993	101701 904067	203487 963658	309994	384021	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	6302 516882	62896 619287	135216 836215	203253	272246	125 4375	625 5000	1250 6250	1875	2500
Benzene	FB	Ave	44151 2460058	349539 3081445	706559 3568216	1058727	1311296	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane	FB	Ave	17919 885871	125186 1143818	250519 1414230	369204	484339	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	9622 +++++	95199 +++++	205898 +++++	327628	396995	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Trichloroethene	FB	Ave	11858 597793	79520 740156	161565 826397	245968	309674	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Lin1	13582 +++++	117937 +++++	269442 +++++	430749	519081	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichloropropane	FB	Ave	12607 641556	89018 812076	185021 982978	276915	344371	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Lin	1282 +++++	15731 +++++	28629 +++++	50467	63524	100 +++++	500 +++++	1000 +++++	1500	2000
Dibromomethane	FB	Ave	6515 301698	42697 385788	80957 497257	124213	165406	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorobromomethane	FB	Ave	12293 676108	91154 888638	185098 1099771	279238	367432	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	11209 +++++	95065 +++++	199982 +++++	318495	419042	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Lin2	11808 1169372	121912 1523082	275582 1964437	437185	632990	25.0 350	50.0 400	100 500	150	200
Toluene	CBNZ d5	Ave	35382 2653112	332676 3312951	717146 3814402	1110024	1367785	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl methacrylate	CBNZ d5	Qua	5124	55352	131471	212514	295851	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			641291	845208	+++++			175	200	+++++		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9921	82864	184951	289357	392133	5.00	25.0	50.0	75.0	100
			756371	+++++	+++++			175	+++++	+++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	9031	66115	134502	195646	253265	5.00	25.0	50.0	75.0	100
			465914	603597	775365			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	8280	68314	140697	208287	247815	5.00	25.0	50.0	75.0	100
			491949	587064	642453			175	200	250		
2-Hexanone	CBNZ d5	Lin2	7721	77932	179769	291515	426355	25.0	50.0	100	150	200
			768293	1002573	1292763			350	400	500		
1,3-Dichloropropane	CBNZ d5	Ave	13613	117445	246320	365690	491938	5.00	25.0	50.0	75.0	100
			907330	1167354	1488680			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	7582	51311	107194	158226	213808	5.00	25.0	50.0	75.0	100
			417139	550292	712707			175	200	250		
Ethylene Dibromide	CBNZ d5	Ave	8467	55399	114200	175768	228424	5.00	25.0	50.0	75.0	100
			435350	573575	744456			175	200	250		
Chlorobenzene	CBNZ d5	Ave	24074	204372	422306	625528	808748	5.00	25.0	50.0	75.0	100
			1514759	1944620	2353188			175	200	250		
Ethylbenzene	CBNZ d5	Lin1	9877	101870	235411	366401	471639	5.00	25.0	50.0	75.0	100
			+++++	+++++	+++++			+++++	+++++	+++++		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	8640	64060	135396	195319	256974	5.00	25.0	50.0	75.0	100
			486580	628411	769833			175	200	250		
m-Xylene & p-Xylene	CBNZ d5	Lin1	11890	127340	287895	451860	571765	5.00	25.0	50.0	75.0	100
			1109435	1417879	1642810			175	200	250		
o-Xylene	CBNZ d5	Lin	10516	113965	259461	411614	540887	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Styrene	CBNZ d5	Lin1	13582 1614997	161739 2110939	400221 2573458	628910	825621	5.00 175	25.0 200	50.0 250	75.0	100
Bromoform	CBNZ d5	Ave	3513 203002	24298 +++++	50138 +++++	77584	106125	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Isopropylbenzene	CBNZ d5	Lin2	24744 2813005	301078 3565423	697612 4026784	1113157	1408969	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	8747 521753	69569 675427	141959 864759	213640	277793	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	1691 +++++	16173 +++++	35641 +++++	58585	79996	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichloropropane	DCBd 4	Ave	3283 199230	25775 247013	51720 321244	76804	104336	5.00 175	25.0 200	50.0 250	75.0	100
Bromobenzene	DCBd 4	Ave	7521 556036	72739 726350	153267 895171	235613	300790	5.00 175	25.0 200	50.0 250	75.0	100
N-Propylbenzene	DCBd 4	Lin2	4800 +++++	76375 +++++	185732 +++++	291584	360684	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
2-Chlorotoluene	DCBd 4	Ave	6566 568129	69577 721911	157509 838635	234928	300694	5.00 175	25.0 200	50.0 250	75.0	100
1,3,5-Trimethylbenzene	DCBd 4	Lin2	15922 2090582	228077 2666591	547749 3070571	868101	1091183	5.00 175	25.0 200	50.0 250	75.0	100
4-Chlorotoluene	DCBd 4	Ave	6354 584830	73375 745803	161761 873110	239558	305646	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butylbenzene	DCBd 4	Lin2	14657	201268	484325	760834	972480	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
1,2,4-Trimethylbenzene	DCBd 4	Lin2	15223 2049989	213549 2649257	544585 3106150	832643	1085440	5.00 175	25.0 200	50.0 250	75.0	100
sec-Butylbenzene	DCBd 4	Lin2	18392 +++++	246277 +++++	611500 +++++	953872	1209838	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Isopropyltoluene	DCBd 4	Lin1	14002 1905453	184162 2392283	477404 2712218	746098	952271	5.00 175	25.0 200	50.0 250	75.0	100
1,3-Dichlorobenzene	DCBd 4	Ave	14897 995523	133121 1278992	290984 1534633	432864	536034	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dichlorobenzene	DCBd 4	Ave	15882 1005518	137239 1300467	286286 1576970	425521	534620	5.00 175	25.0 200	50.0 250	75.0	100
n-Butylbenzene	DCBd 4	Lin1	11580 +++++	142620 +++++	345263 +++++	566543	725923	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichlorobenzene	DCBd 4	Ave	11370 894741	115741 1153305	256894 1421657	373634	480221	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	778 57027	7222 78220	13602 +++++	23117	33014	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,4-Trichlorobenzene	DCBd 4	Ave	3493 235785	21377 348851	56447 +++++	92114	132642	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexachlorobutadiene	DCBd 4	Lin2	2681 +++++	16964 +++++	32342 +++++	53676	73784	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Naphthalene	DCBd 4	Ave	2810 +++++	36580 +++++	92946 +++++	167731	265474	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichlorobenzene	DCBd 4	Ave	1353	14493	34052	57048	86456	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Dibromofluoromethane (Surr)	FB	Ave	+++++ 419791	60872 511421	129483 671299	202846	264067	+++++ 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 631604	95285 829657	205588 1001784	322447	404191	+++++ 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 1927595	247496 +++++	575603 +++++	913565	1159160	+++++ 175	25.0 +++++	50.0 +++++	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 647000	81079 801286	184556 1058585	286771	392420	+++++ 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	9.2 5.5	8.9 -14.7	-7.4	-2.6	-9.0	10.2	50 30	30 30	30	30	30	30
Chloromethane	10.5 6.3	4.3 -7.1	-7.6	-4.6	-7.5	5.6	50 30	30 30	30	30	30	30
Vinyl chloride	5.5 9.2	-1.4 -9.5	-6.8	-0.6	-7.8	11.5	50 30	30 30	30	30	30	30
Butadiene	0.6 7.4	1.7 +++++	-7.3	-5.0	-6.5	9.2	50 30	30	30	30	30	30
Bromomethane	-15.2 6.0	8.0 -5.3	-2.5	-2.3	-7.2	5.9	50 30	30 30	30	30	30	30
Chloroethane	18.9 4.4	3.3 -10.6	-4.0	-5.0	-11.5	4.5	50 30	30 30	30	30	30	30
Dichlorofluoromethane	12.6 3.0	3.4 -6.1	-9.9	-1.7	-8.2	6.9	50 30	30 30	30	30	30	30
Trichlorofluoromethane	9.1 6.7	4.6 -12.6	-8.6	-1.0	-8.5	10.4	50 30	30 30	30	30	30	30
Ethyl ether	0.7 13.4	-6.0 17.0	-13.2	-11.2	-7.7	7.1	50 30	30 30	30	30	30	30
1,1-Dichloroethene	7.9 9.8	-1.6 -9.5	-5.7	-1.8	-9.3	10.2	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	22.2 3.9	1.1 -14.7	-5.6	-3.3	-10.2	6.7	50 30	30 30	30	30	30	30
Acetone	-27.8 13.5	1.8 +++++	-5.2	0.1	5.8	11.8	50 30	30	30	30	30	30
Iodomethane	1.4 9.1	2.0 2.6	-7.6	-5.6	-8.4	6.5	50 30	30 30	30	30	30	30
Carbon disulfide	10.6 9.6	-0.7 -7.6	-9.7	-3.1	-8.7	9.7	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	0.2 13.1	-5.0 16.7	-14.9	-11.7	-7.3	8.9	50 30	30 30	30	30	30	30
3-Chloro-1-propene	2.9 16.4	-8.0 3.3	-15.7	-5.5	-7.7	14.3	50 30	30 30	30	30	30	30
Methylene Chloride	18.7 6.5	1.2 2.5	-12.3	-9.2	-7.4	0.0	50 30	30 30	30	30	30	30
2-Methyl-2-propanol	-13.3 9.5	-4.2 20.6	-6.3	0.5	-4.8	-2.0	50 30	30 30	30	30	30	30
Acrylonitrile	-2.7 15.3	-9.9 21.0	-16.9	-13.1	-5.1	11.3	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	-6.3 +++++	-0.7 +++++	-3.4	2.1	8.3	+++++	50	30	30	30	30	
trans-1,2-Dichloroethene	22.8 6.1	-5.7 +++++	-10.9	-6.3	-10.5	4.4	50 30	30	30	30	30	30
Hexane	-10.3 14.9	-4.9 -6.6	-5.9	0.9	-4.9	16.9	50 30	30 30	30	30	30	30
1,1-Dichloroethane	10.5 8.8	-0.3 0.5	-9.8	-6.1	-9.8	6.3	50 30	30 30	30	30	30	30
2-Butanone (MEK)	15.7 -0.4	18.9 0.9	-3.6	-4.0	-4.6	0.7	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	17.6 8.2	-4.6 3.0	-10.4	-9.4	-9.7	5.2	50 30	30 30	30	30	30	30
2,2-Dichloropropane	40.1 2.4	-6.4 -7.7	-12.0	-4.6	-13.5	1.6	50 30	30 30	30	30	30	30
Chlorobromomethane	31.1 6.0	-4.3 4.1	-10.8	-13.9	-12.3	0.1	50 30	30 30	30	30	30	30
Tetrahydrofuran	-0.7 +++++	0.5 +++++	-10.7	3.7	7.2	+++++	50	30	30	30	30	
Chloroform	16.0 6.6	1.1 1.0	-10.4	-9.0	-8.7	3.6	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	9.7 10.4	-1.3 -6.0	-8.2	-4.9	-9.8	10.1	50 30	30 30	30	30	30	30
Cyclohexane	-19.6 +++++	2.6 +++++	1.0	11.2	4.8	+++++	50	30	30	30	30	
1,1-Dichloropropene	-16.6 14.8	-0.8 -2.8	-6.7	1.2	-5.3	16.2	50 30	30 30	30	30	30	30
Carbon tetrachloride	5.9 11.0	-2.0 -5.5	-9.6	-4.5	-6.8	11.4	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-30.3 14.5	-8.7 23.4	-9.5	-5.7	-0.5	16.8	50 30	30 30	30	30	30	30
Benzene	-4.5 11.4	-0.8 3.0	-7.6	-3.9	-6.3	8.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane	4.5 11.6	-4.1 10.2	-11.6	-9.6	-6.6	5.6	50 30	30 30	30	30	30	30
n-Heptane	-21.7 +++++	1.7 +++++	1.4	11.9	6.8	+++++	50	30	30	30	30	
Trichloroethene	7.5 12.2	-5.4 0.0	-11.4	-6.4	-7.2	10.8	50 30	30 30	30	30	30	30
Methylcyclohexane	5.5 +++++	-6.0 +++++	-4.1	5.1	-0.6	+++++	50	30	30	30	30	
1,2-Dichloropropane	2.6 10.5	-4.9 6.8	-8.9	-5.4	-7.3	6.7	50 30	30 30	30	30	30	30
1,4-Dioxane	22.4 +++++	8.8 +++++	-13.0	2.9	1.0	+++++	50	30	30	30	30	
Dibromomethane	11.0 9.9	-4.5 13.1	-16.5	-11.2	-6.8	5.1	50 30	30 30	30	30	30	30
Dichlorobromomethane	-4.2 15.7	-6.8 14.4	-12.8	-8.7	-5.3	7.7	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-11.1 +++++	-1.0 +++++	-4.0	6.1	9.9	+++++	50	30	30	30	30	
4-Methyl-2-pentanone (MIBK)	-0.7 4.6	7.8 4.4	-10.8	-5.7	-1.6	2.0	50 30	30 30	30	30	30	30
Toluene	-19.4 11.7	-3.7 0.5	-6.7	6.3	-1.4	12.7	50 30	30 30	30	30	30	30
Ethyl methacrylate	11.5 -0.4	2.0 +++++	-3.8	2.0	-1.1	0.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-14.6 +++++	-9.3 +++++	-9.1	4.7	6.8	21.4	50	30	30	30	30	30
1,1,2-Trichloroethane	6.4 5.2	-1.0 5.6	-9.5	-3.2	-5.6	2.3	50 30	30 30	30	30	30	30
Tetrachloroethene	-1.0 3.9	3.9 -11.1	-3.9	4.7	-6.2	9.7	50 30	30 30	30	30	30	30
2-Hexanone	0.0 4.3	6.0 4.1	-11.4	-4.8	0.2	1.5	50 30	30 30	30	30	30	30
1,3-Dichloropropane	-12.8 10.6	-4.4 10.3	-9.9	-1.6	-0.4	8.3	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodibromomethane	4.9 12.7	-9.7 14.1	-15.3	-8.0	-6.4	7.6	50 30	30 30	30	30	30	30
Ethylene Dibromide	9.5 9.8	-8.9 11.4	-15.7	-4.5	-6.5	4.9	50 30	30 30	30	30	30	30
Chlorobenzene	-8.4 9.5	-1.2 3.6	-8.2	0.0	-2.7	7.4	50 30	30 30	30	30	30	30
Ethylbenzene	7.0 +++++	-5.9 +++++	-6.8	4.8	0.9	+++++	50	30	30	30	30	
1,1,1,2-Tetrachloroethane	1.5 9.2	-4.4 4.6	-9.2	-3.6	-4.5	6.5	50 30	30 30	30	30	30	30
m-Xylene & p-Xylene	17.8 6.7	-7.2 -3.5	-11.7	-0.9	-6.4	5.4	50 30	30 30	30	30	30	30
o-Xylene	40.8 +++++	-2.1 +++++	-8.4	2.9	0.5	+++++	50	30	30	30	30	
Styrene	31.9 6.6	-13.9 1.3	-14.9	-5.8	-8.3	3.2	50 30	30 30	30	30	30	30
Bromoform	6.1 +++++	-6.7 +++++	-13.5	-1.5	1.4	14.3	50	30	30	30	30	30
Isopropylbenzene	2.6 11.7	-9.7 -1.5	-11.5	1.3	-4.1	11.2	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.4 9.3	-3.3 9.3	-11.4	-1.9	-3.9	6.3	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	8.9 +++++	-4.7 +++++	-11.5	3.1	4.2	+++++	50	30	30	30	30	
1,2,3-Trichloropropane	12.0 8.0	-2.8 9.2	-15.9	-10.5	-9.7	9.8	50 30	30 30	30	30	30	30
Bromobenzene	-8.5 13.2	-2.2 8.5	-11.2	-2.1	-7.1	9.3	50 30	30 30	30	30	30	30
N-Propylbenzene	0.4 +++++	-2.1 +++++	-2.9	7.0	-2.3	+++++	50	30	30	30	30	
2-Chlorotoluene	-18.2 15.3	-4.2 4.1	-6.5	0.0	-4.9	14.3	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	2.4 12.2	-8.0 0.3	-10.2	-0.3	-7.5	11.1	50 30	30 30	30	30	30	30
4-Chlorotoluene	-22.8 16.1	-1.4 5.7	-6.3	-0.5	-5.7	14.8	50 30	30 30	30	30	30	30
tert-Butylbenzene	0.6 +++++	-3.1 +++++	-4.0	6.2	0.3	+++++	50	30	30	30	30	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	3.0 13.2	-11.6 3.1	-9.2	-2.7	-6.5	10.7	50 30	30 30	30	30	30	30
sec-Butylbenzene	0.8 +++++	-4.7 +++++	-2.9	6.8	0.1	+++++	50	30	30	30	30	
4-Isopropyltoluene	28.8 8.9	-13.0 -4.2	-12.7	-5.8	-11.7	9.6	50 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-0.4 9.6	-1.6 2.2	-7.3	-1.1	-9.0	7.5	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	4.7 9.8	0.0 3.5	-10.1	-4.2	-10.6	7.0	50 30	30 30	30	30	30	30
n-Butylbenzene	7.8 +++++	-6.8 +++++	-7.7	6.2	0.5	+++++	50	30	30	30	30	
1,2-Dichlorobenzene	-13.2 12.8	-2.3 8.2	-6.5	-2.5	-6.9	10.4	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-5.7 21.5	-3.2 +++++	-21.5	-4.3	1.6	11.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	4.8 34.1 *	-29.1 +++++	-19.3	-5.6	1.0	14.2	50 30	30	30	30	30	30
Hexachlorobutadiene	0.7 +++++	-0.2 +++++	-14.2	5.2	8.5	+++++	50	30	30	30	30	
Naphthalene	-40.8 +++++	-14.9 +++++	-6.8	20.7	41.8 *	+++++	50	30	30	30	30	
1,2,3-Trichlorobenzene	-22.4 +++++	-8.2 +++++	-7.0	11.8	25.8	+++++	50	30	30	30	30	
Dibromofluoromethane (Surr)	+++++ 1.2	-5.5 6.0	-7.3	0.7	3.3	1.5	30	50 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	+++++ 5.5	-4.8 1.8	-5.4	3.0	1.7	-1.8	30	50 30	30	30	30	30
Toluene-d8 (Surr)	+++++ +++++	-10.3 +++++	-6.3	9.5	4.6	2.5		50	30	30	30	30
4-Bromofluorobenzene (Surr)	+++++ 1.9	-11.5 5.2	-9.4	3.5	6.7	3.6	30	50 30	30	30	30	30

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2020 10:26:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-009
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:30:50 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	90	208021	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	98	608098	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	90	123118	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	97	164692	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	92	60872	25.0	23.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	97	95285	25.0	23.8	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	95	247496	25.0	22.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	81079	25.0	22.1	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	98	114668	25.0	27.2	
12 Chloromethane	50	3.857	3.857	0.000	99	129580	25.0	26.1	
13 Vinyl chloride	62	4.137	4.137	0.000	97	102139	25.0	24.7	
14 Butadiene	39	4.210	4.198	0.012	96	130544	25.0	25.4	
15 Bromomethane	94	4.848	4.837	0.011	88	65937	25.0	27.0	
16 Chloroethane	64	5.104	5.105	-0.001	99	72826	25.0	25.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	169984	25.0	25.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	99	148883	25.0	26.1	
20 Ethyl ether	59	6.120	6.120	0.000	95	70198	25.0	23.5	
22 1,1-Dichloroethene	96	6.509	6.504	0.005	93	66191	25.0	24.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.564	6.558	0.006	92	79091	25.0	25.3	
24 Acetone	43	6.594	6.595	-0.001	98	65322	50.0	50.9	
25 Iodomethane	142	6.753	6.741	0.012	99	101289	25.0	25.5	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	202428	25.0	24.8	
30 Methyl acetate	43	7.075	7.069	0.006	97	128474	50.0	47.5	
29 3-Chloro-1-propene	76	7.099	7.082	0.017	92	39071	25.0	23.0	
31 Methylene Chloride	84	7.282	7.276	0.006	88	103446	25.0	25.3	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	93	58270	250.0	239.5	
33 Acrylonitrile	53	7.616	7.617	-0.001	100	327197	250.0	225.3	
35 Methyl tert-butyl ether	73	7.647	7.641	0.006	96	182603	25.0	24.8	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	95	81719	25.0	23.6	
36 Hexane	57	8.012	8.012	0.000	94	126043	25.0	23.8	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	97	163631	25.0	24.9	
44 2-Butanone (MEK)	43	8.894	8.882	0.012	100	82848	50.0	59.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	87	87746	25.0	23.8	
42 2,2-Dichloropropane	97	8.930	8.925	0.005	74	20339	25.0	23.4	
48 Chlorobromomethane	128	9.192	9.180	0.012	94	39132	25.0	23.9	
49 Tetrahydrofuran	42	9.210	9.211	-0.001	44	44726	50.0	50.2	
50 Chloroform	83	9.277	9.284	-0.007	95	152940	25.0	25.3	
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	96	127299	25.0	24.7	
52 Cyclohexane	56	9.569	9.570	-0.001	94	162905	25.0	25.6	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	112793	25.0	24.8	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	92	101701	25.0	24.5	
55 Isobutyl alcohol	41	9.703	9.698	0.005	87	62896	625.0	570.5	
56 Benzene	78	9.879	9.880	-0.001	99	349539	25.0	24.8	
57 1,2-Dichloroethane	62	9.910	9.917	-0.007	96	125186	25.0	24.0	
59 n-Heptane	43	10.123	10.117	0.006	92	95199	25.0	25.4	
61 Trichloroethene	130	10.543	10.543	0.000	96	79520	25.0	23.7	
63 Methylcyclohexane	83	10.798	10.793	0.005	88	117937	25.0	23.5	
64 1,2-Dichloropropane	63	10.810	10.811	-0.001	74	89018	25.0	23.8	
65 1,4-Dioxane	88	10.865	10.859	0.006	88	15731	500.0	543.8	
67 Dibromomethane	93	10.908	10.908	0.000	96	42697	25.0	23.9	
68 Dichlorobromomethane	83	11.066	11.060	0.006	97	91154	25.0	23.3	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	91	95065	25.0	24.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	121912	50.0	53.9	
73 Toluene	91	11.838	11.839	-0.001	98	332676	25.0	24.1	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	71	55352	25.0	25.5	
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	93	82864	25.0	22.7	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	93	66115	25.0	24.7	
77 Tetrachloroethene	164	12.368	12.368	0.000	94	68314	25.0	26.0	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	95	117445	25.0	23.9	
79 2-Hexanone	43	12.416	12.417	-0.001	60	77932	50.0	53.0	
81 Chlorodibromomethane	129	12.654	12.654	0.000	90	51311	25.0	22.6	
82 Ethylene Dibromide	107	12.806	12.800	0.006	99	55399	25.0	22.8	
84 Chlorobenzene	112	13.280	13.275	0.005	94	204372	25.0	24.7	
87 Ethylbenzene	106	13.341	13.342	-0.001	99	101870	25.0	23.5	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	45	64060	25.0	23.9	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	98	127340	25.0	23.2	
89 o-Xylene	106	13.864	13.865	-0.001	96	113965	25.0	24.5	
90 Styrene	104	13.882	13.877	0.005	93	161739	25.0	21.5	
91 Bromoform	173	14.108	14.102	0.006	95	24298	25.0	23.3	
93 Isopropylbenzene	105	14.217	14.218	-0.001	96	301078	25.0	22.6	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	97	69569	25.0	24.2	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	37	16173	25.0	23.8	
98 1,2,3-Trichloropropane	110	14.606	14.595	0.011	57	25775	25.0	24.3	
95 Bromobenzene	156	14.600	14.601	-0.001	91	72739	25.0	24.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	76375	25.0	24.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	69577	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	228077	25.0	23.0	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	98	73375	25.0	24.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	201268	25.0	24.2	
106 1,2,4-Trimethylbenzene	105	15.196	15.203	-0.007	98	213549	25.0	22.1	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	246277	25.0	23.8	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	184162	25.0	21.7	
109 1,3-Dichlorobenzene	146	15.561	15.556	0.005	97	133121	25.0	24.6	
111 1,4-Dichlorobenzene	146	15.665	15.659	0.006	93	137239	25.0	25.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	142620	25.0	23.3	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	95	115741	25.0	24.4	
118 1,2-Dibromo-3-Chloropropane	75	16.790	16.785	0.005	67	7222	25.0	24.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	93	21377	25.0	17.7	
123 Hexachlorobutadiene	225	17.691	17.697	-0.006	94	16964	25.0	25.0	
124 Naphthalene	128	17.879	17.880	-0.001	97	36580	25.0	21.3	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	93	14493	25.0	23.0	
S 130 1,2-Dichloroethene, Total	96				0		50.0	47.4	
S 131 Xylenes, Total	106				0		50.0	47.7	
S 154 Total BTEX	1				0		125.0	120.1	
S 132 1,3-Dichloropropene, Total	1				0		50.0	47.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260VOAPRi_00429	Amount Added:	1.00	Units: uL
VOA8260SURR_00112	Amount Added:	1.00	Units: uL
VOAKETPRI_00005	Amount Added:	1.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

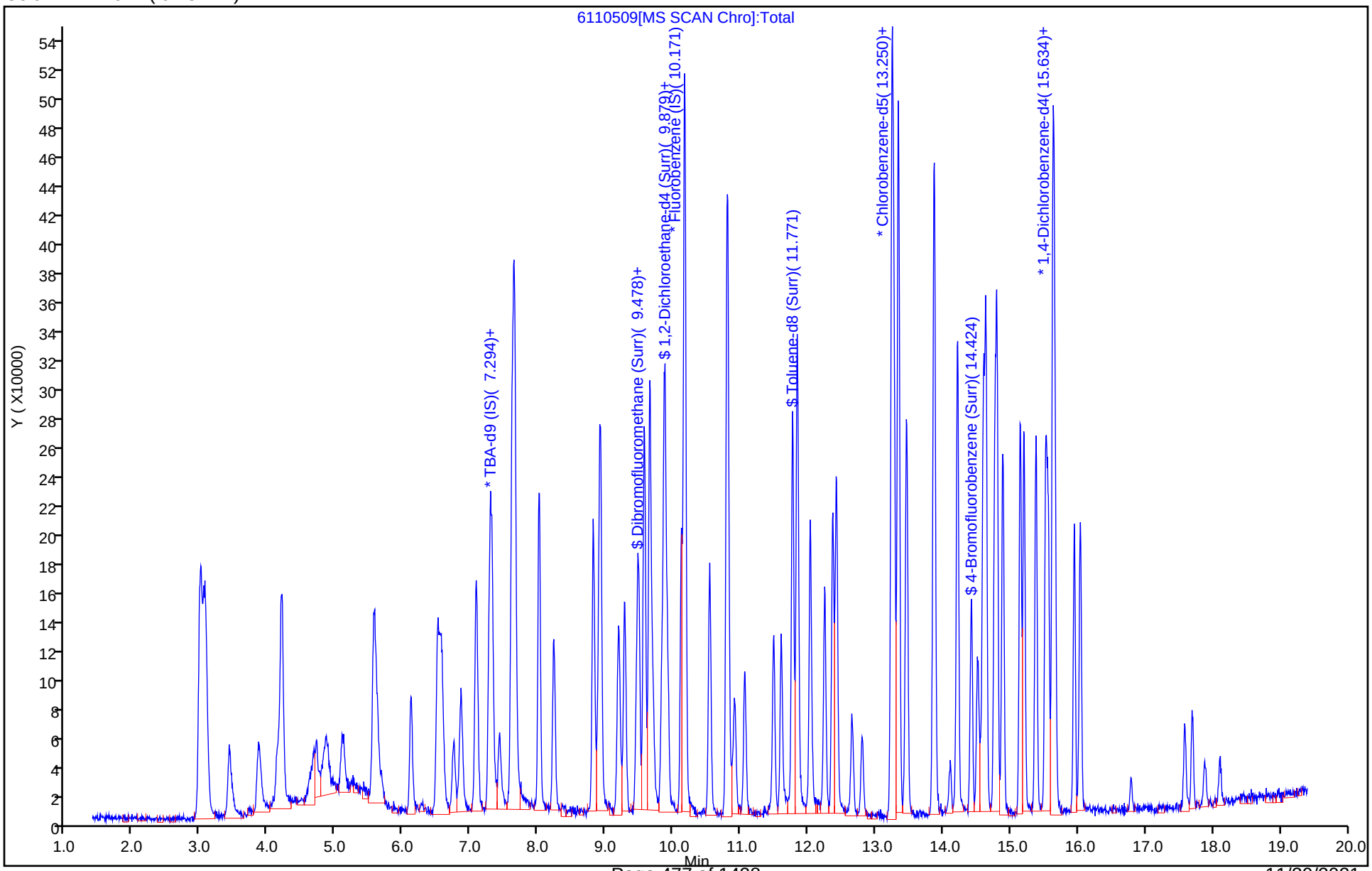
Report Date: 08-Nov-2020 13:30:53 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D

Injection Date:	05-Nov-2020 10:26:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Nov-2020 10:53:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-010
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:30:57 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	91	216733	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	659614	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	137014	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	191051	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	92	129483	50.0	46.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.837	0.000	93	205588	50.0	47.3	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	575603	50.0	46.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	184556	50.0	45.3	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	211611	50.0	46.3	
12 Chloromethane	50	3.857	3.857	0.000	99	248965	50.0	46.2	
13 Vinyl chloride	62	4.137	4.137	0.000	98	209380	50.0	46.6	
14 Butadiene	39	4.192	4.192	0.000	95	248954	50.0	46.3	
15 Bromomethane	94	4.861	4.861	0.000	91	124315	50.0	48.7	
16 Chloroethane	64	5.105	5.105	0.000	99	146861	50.0	48.0	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	97	321208	50.0	45.0	
18 Trichlorofluoromethane	101	5.603	5.603	0.000	98	282317	50.0	45.7	
20 Ethyl ether	59	6.108	6.108	0.000	96	140605	50.0	43.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	95	137717	50.0	47.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.552	0.000	94	160060	50.0	47.2	
24 Acetone	43	6.589	6.589	0.000	99	131973	100.0	94.8	
25 Iodomethane	142	6.741	6.741	0.000	98	198968	50.0	46.2	
26 Carbon disulfide	76	6.857	6.857	0.000	100	399135	50.0	45.1	
30 Methyl acetate	43	7.069	7.069	0.000	99	249701	100.0	85.1	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	77619	50.0	42.1	
31 Methylene Chloride	84	7.282	7.282	0.000	99	181307	50.0	43.9	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	92	118829	500.0	468.7	
33 Acrylonitrile	53	7.611	7.611	0.000	99	654687	500.0	415.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	98	385370	50.0	48.3	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	167597	50.0	44.6	
36 Hexane	57	8.012	8.012	0.000	95	270509	50.0	47.0	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	321385	50.0	45.1	
44 2-Butanone (MEK)	43	8.888	8.888	0.000	100	170571	100.0	96.4	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	86	178932	50.0	44.8	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	41473	50.0	44.0	
48 Chlorobromomethane	128	9.193	9.193	0.000	93	79182	50.0	44.6	
49 Tetrahydrofuran	42	9.205	9.205	0.000	45	86225	100.0	89.3	
50 Chloroform	83	9.284	9.284	0.000	96	293828	50.0	44.8	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	97	256757	50.0	45.9	
52 Cyclohexane	56	9.570	9.570	0.000	93	348015	50.0	50.5	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	229994	50.0	46.6	
53 Carbon tetrachloride	117	9.655	9.655	0.000	91	203487	50.0	45.2	
55 Isobutyl alcohol	41	9.698	9.698	0.000	85	135216	1250.0	1130.7	
56 Benzene	78	9.874	9.874	0.000	98	706559	50.0	46.2	
57 1,2-Dichloroethane	62	9.923	9.923	0.000	97	250519	50.0	44.2	
59 n-Heptane	43	10.117	10.117	0.000	93	205898	50.0	50.7	
61 Trichloroethene	130	10.543	10.543	0.000	97	161565	50.0	44.3	
63 Methylcyclohexane	83	10.799	10.799	0.000	97	269442	50.0	48.0	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	91	185021	50.0	45.5	
65 1,4-Dioxane	88	10.866	10.866	0.000	94	28629	1000.0	869.9	
67 Dibromomethane	93	10.914	10.914	0.000	98	80957	50.0	41.7	
68 Dichlorobromomethane	83	11.066	11.066	0.000	98	185098	50.0	43.6	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	90	199982	50.0	48.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	275582	100.0	89.2	
73 Toluene	91	11.839	11.839	0.000	98	717146	50.0	46.7	
75 Ethyl methacrylate	69	12.027	12.027	0.000	75	131471	50.0	48.1	
74 trans-1,3-Dichloropropene	75	12.034	12.034	0.000	93	184951	50.0	45.5	
76 1,1,2-Trichloroethane	97	12.246	12.246	0.000	96	134502	50.0	45.2	
77 Tetrachloroethene	164	12.368	12.368	0.000	93	140697	50.0	48.1	
78 1,3-Dichloropropane	76	12.423	12.423	0.000	96	246320	50.0	45.0	
79 2-Hexanone	43	12.417	12.417	0.000	65	179769	100.0	88.6	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	107194	50.0	42.4	
82 Ethylene Dibromide	107	12.806	12.806	0.000	98	114200	50.0	42.2	
84 Chlorobenzene	112	13.275	13.275	0.000	94	422306	50.0	45.9	
87 Ethylbenzene	106	13.335	13.335	0.000	98	235411	50.0	46.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	89	135396	50.0	45.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	287895	50.0	44.1	
89 o-Xylene	106	13.865	13.865	0.000	97	259461	50.0	45.8	
90 Styrene	104	13.877	13.877	0.000	93	400221	50.0	42.5	
91 Bromoform	173	14.108	14.108	0.000	94	50138	50.0	43.2	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	697612	50.0	44.2	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.510	0.000	96	141959	50.0	44.3	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.540	0.000	64	35641	50.0	44.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	58	51720	50.0	42.0	
95 Bromobenzene	156	14.601	14.601	0.000	93	153267	50.0	44.4	
99 N-Propylbenzene	120	14.631	14.631	0.000	98	185732	50.0	48.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	157509	50.0	46.8	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	94	547749	50.0	44.9	
103 4-Chlorotoluene	126	14.887	14.887	0.000	98	161761	50.0	46.8	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	484325	50.0	48.0	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	544585	50.0	45.4	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	611500	50.0	48.6	
110 4-Isopropyltoluene	119	15.525	15.525	0.000	97	477404	50.0	43.7	
109 1,3-Dichlorobenzene	146	15.562	15.562	0.000	96	290984	50.0	46.4	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	286286	50.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	345263	50.0	46.1	
117 1,2-Dichlorobenzene	146	16.036	16.036	0.000	96	256894	50.0	46.7	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	13602	50.0	39.3	M
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	93	56447	50.0	40.3	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	95	32342	50.0	42.9	
124 Naphthalene	128	17.880	17.880	0.000	98	92946	50.0	46.6	
125 1,2,3-Trichlorobenzene	180	18.111	18.111	0.000	94	34052	50.0	46.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	89.4	
S 131 Xylenes, Total	106				0		100.0	89.9	
S 154 Total BTEX	1				0		250.0	229.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	93.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260VOAPRi_00429	Amount Added:	2.00	Units: uL
VOA8260SURR_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	2.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

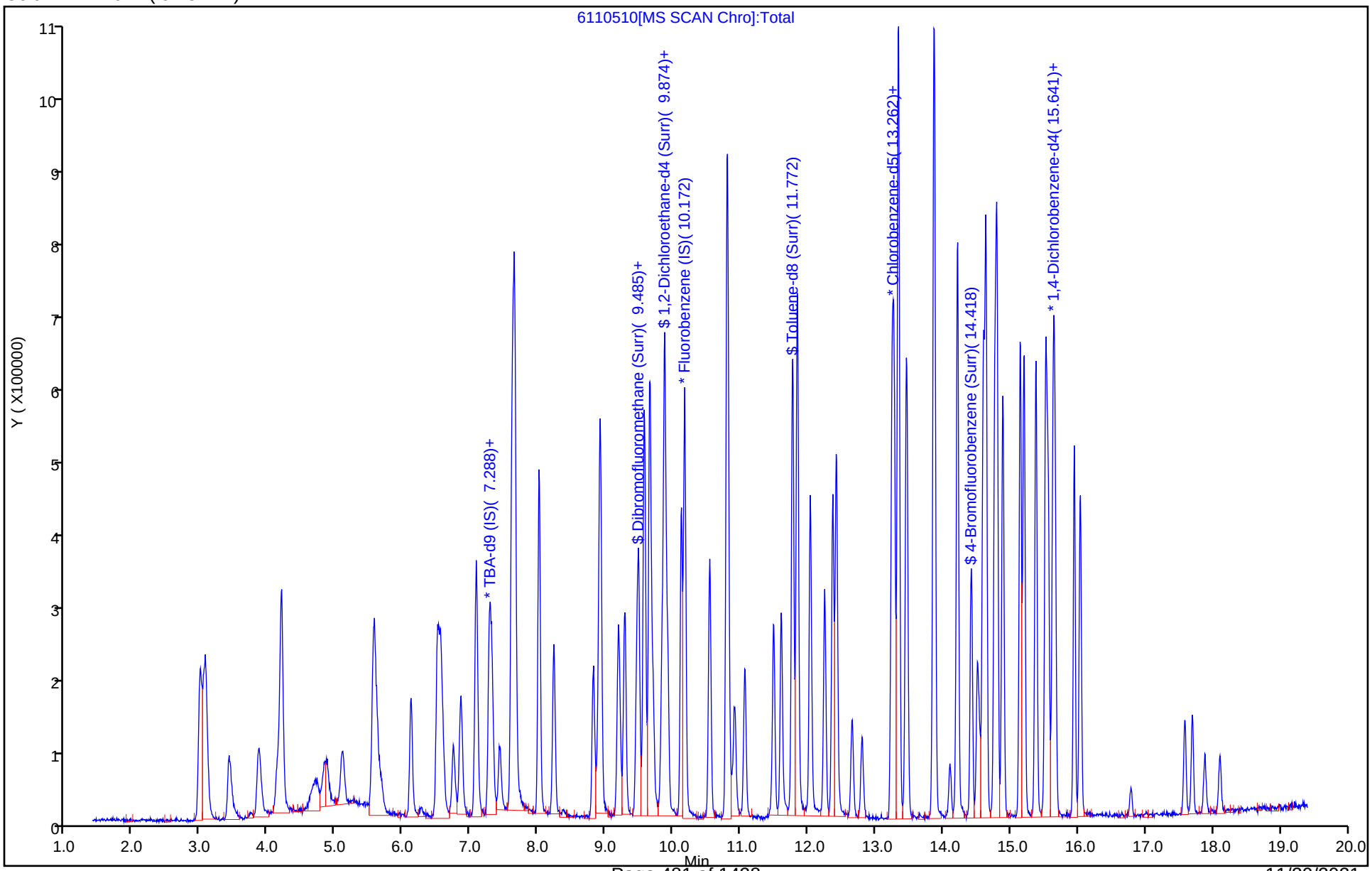
Report Date: 08-Nov-2020 13:31:00 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D

Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICIS			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

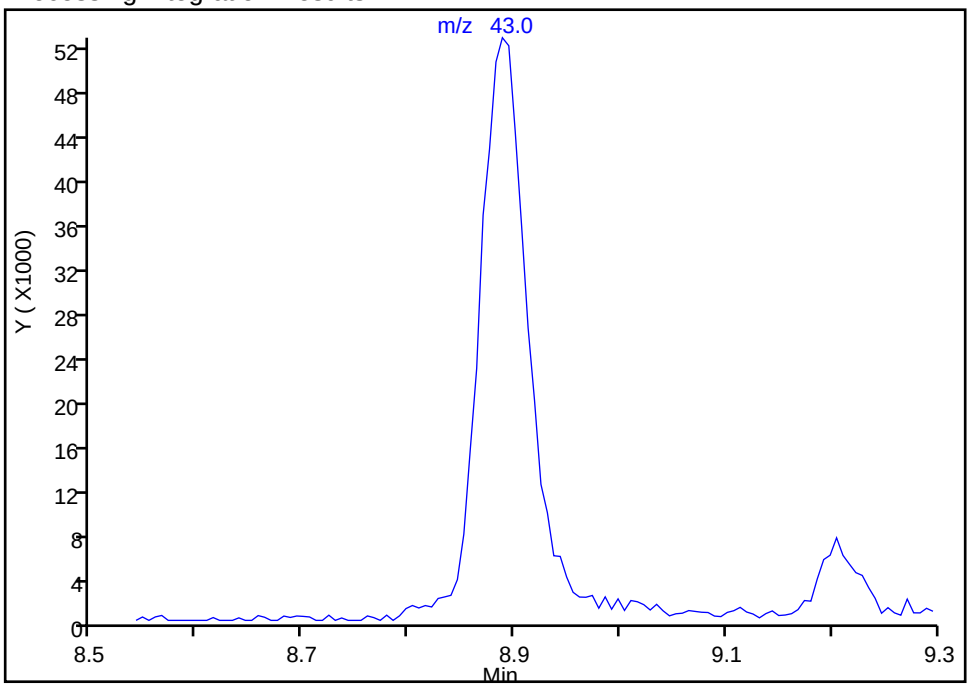
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D				
Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

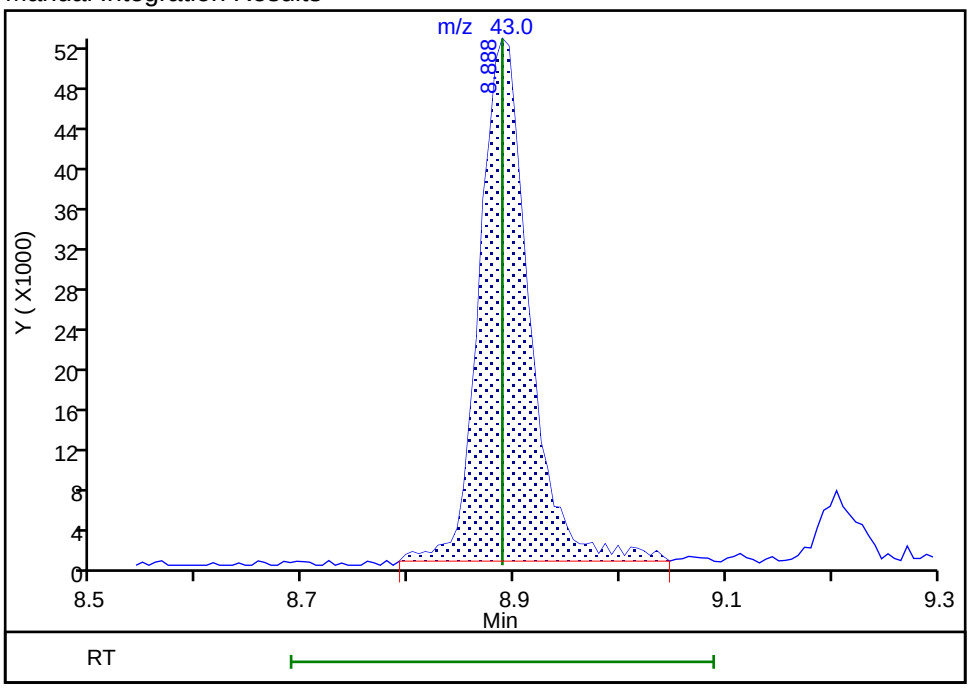
Not Detected
Expected RT: 8.89

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 170571
Amount: 96.351650
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:49:28
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

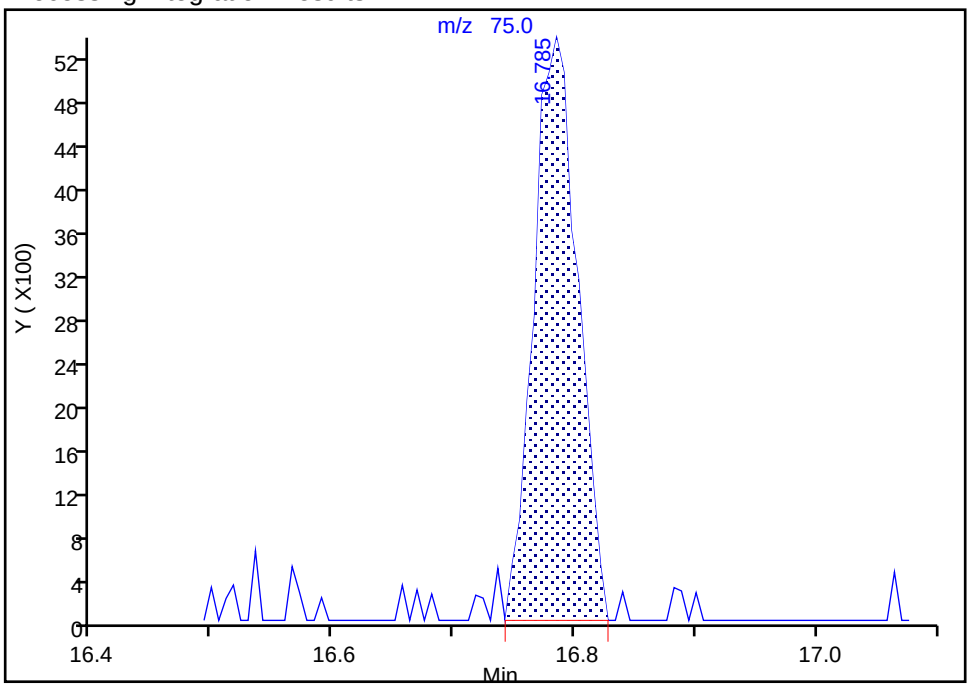
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D				
Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

118 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 3

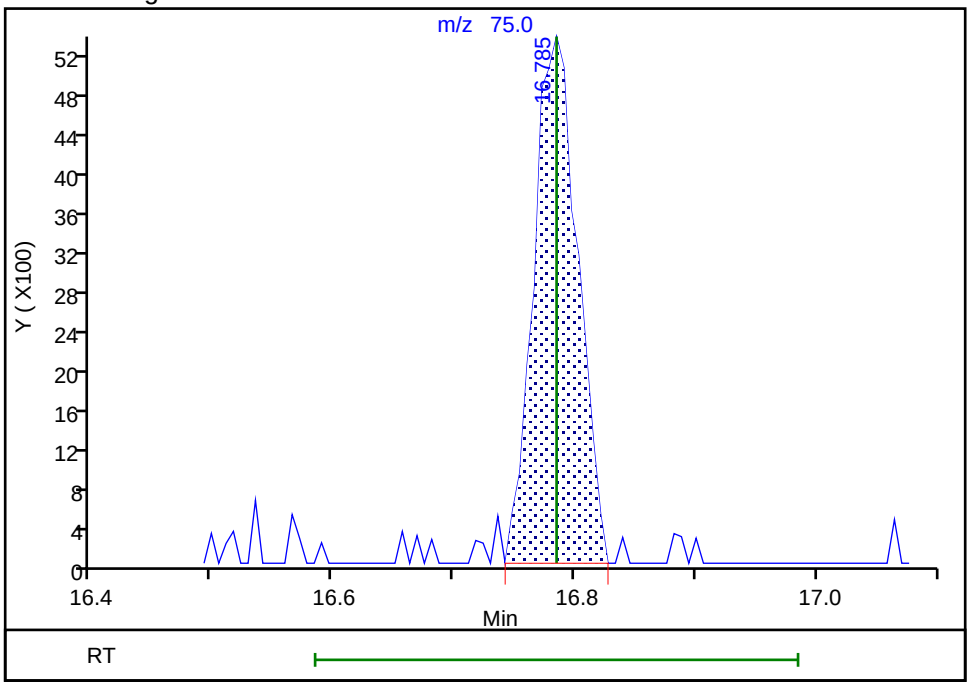
Processing Integration Results

RT: 16.78
Area: 13602
Amount: 41.697862
Amount Units: ng



Manual Integration Results

RT: 16.78
Area: 13602
Amount: 39.272906
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 12:28:12

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2020 11:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-011
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:06 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.319	7.319	0.000	91	216754	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	633929	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	88	124135	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	177595	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	202846	75.0	75.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	95	322447	75.0	77.2	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	95	913565	75.0	82.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	286771	75.0	77.7	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	320843	75.0	73.0	
12 Chloromethane	50	3.857	3.857	0.000	100	370456	75.0	71.5	
13 Vinyl chloride	62	4.137	4.137	0.000	97	322115	75.0	74.6	
14 Butadiene	39	4.198	4.198	0.000	92	362414	75.0	71.3	
15 Bromomethane	94	4.837	4.837	0.000	92	176620	75.0	73.3	
16 Chloroethane	64	5.105	5.105	0.000	99	209637	75.0	71.3	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	97	505716	75.0	73.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	98	440636	75.0	74.2	
20 Ethyl ether	59	6.120	6.120	0.000	96	207230	75.0	66.6	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	206606	75.0	73.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.558	6.558	0.000	94	236412	75.0	72.5	
24 Acetone	43	6.595	6.595	0.000	100	200998	150.0	150.2	
25 Iodomethane	142	6.741	6.741	0.000	99	293049	75.0	70.8	
26 Carbon disulfide	76	6.857	6.857	0.000	100	617437	75.0	72.7	
30 Methyl acetate	43	7.069	7.069	0.000	99	373766	150.0	132.5	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	125459	75.0	70.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	261013	75.0	68.1	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	93	191081	750.0	753.7	
33 Acrylonitrile	53	7.617	7.617	0.000	99	986461	750.0	651.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	97	587228	75.0	76.6	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	94	254097	75.0	70.3	
36 Hexane	57	8.012	8.012	0.000	95	418312	75.0	75.7	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	481915	75.0	70.4	
44 2-Butanone (MEK)	43	8.882	8.882	0.000	55	263964	150.0	144.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	85	260676	75.0	67.9	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	64829	75.0	71.6	
48 Chlorobromomethane	128	9.180	9.180	0.000	93	110149	75.0	64.6	
49 Tetrahydrofuran	42	9.211	9.211	0.000	45	144297	150.0	155.5	
50 Chloroform	83	9.284	9.284	0.000	96	430197	75.0	68.2	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	96	383543	75.0	71.3	
52 Cyclohexane	56	9.570	9.570	0.000	93	552246	75.0	83.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	359640	75.0	75.9	
53 Carbon tetrachloride	117	9.661	9.661	0.000	94	309994	75.0	71.7	
55 Isobutyl alcohol	41	9.698	9.698	0.000	92	203253	1875.0	1768.5	
56 Benzene	78	9.880	9.880	0.000	98	1058727	75.0	72.1	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	97	369204	75.0	67.8	
59 n-Heptane	43	10.117	10.117	0.000	93	327628	75.0	83.9	
61 Trichloroethene	130	10.543	10.543	0.000	97	245968	75.0	70.2	
63 Methylcyclohexane	83	10.793	10.793	0.000	96	430749	75.0	78.8	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	276915	75.0	70.9	
65 1,4-Dioxane	88	10.859	10.859	0.000	91	50467	1500.0	1543.4	
67 Dibromomethane	93	10.908	10.908	0.000	97	124213	75.0	66.6	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	279238	75.0	68.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	318495	75.0	79.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	437185	150.0	141.5	
73 Toluene	91	11.839	11.839	0.000	97	1110024	75.0	79.7	
75 Ethyl methacrylate	69	12.034	12.034	0.000	75	212514	75.0	76.5	
74 trans-1,3-Dichloropropene	75	12.040	12.040	0.000	94	289357	75.0	78.5	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.000	95	195646	75.0	72.6	
77 Tetrachloroethene	164	12.368	12.368	0.000	98	208287	75.0	78.5	
79 2-Hexanone	43	12.417	12.417	0.000	74	291515	150.0	142.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	365690	75.0	73.8	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	158226	75.0	69.0	
82 Ethylene Dibromide	107	12.800	12.800	0.000	97	175768	75.0	71.6	
84 Chlorobenzene	112	13.275	13.275	0.000	91	625528	75.0	75.0	
87 Ethylbenzene	106	13.342	13.342	0.000	98	366401	75.0	78.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	91	195319	75.0	72.3	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	99	451860	75.0	74.3	
89 o-Xylene	106	13.865	13.865	0.000	96	411614	75.0	77.2	
90 Styrene	104	13.877	13.877	0.000	94	628910	75.0	70.6	
91 Bromoform	173	14.102	14.102	0.000	94	77584	75.0	73.8	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	1113157	75.0	76.0	
96 1,1,2,2-Tetrachloroethane	83	14.516	14.516	0.000	96	213640	75.0	73.6	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	58585	75.0	77.3	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	61	76804	75.0	67.1	
95 Bromobenzene	156	14.601	14.601	0.000	93	235613	75.0	73.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	291584	75.0	80.2	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	234928	75.0	75.0	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	868101	75.0	74.8	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	239558	75.0	74.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	760834	75.0	79.7	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	832643	75.0	73.0	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	953872	75.0	80.1	
110 4-Isopropyltoluene	119	15.526	15.526	0.000	97	746098	75.0	70.7	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	432864	75.0	74.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	425521	75.0	71.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	566543	75.0	79.7	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.000	96	373634	75.0	73.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	23117	75.0	71.8	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	95	92114	75.0	70.8	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	92	53676	75.0	78.9	
124 Naphthalene	128	17.880	17.880	0.000	97	167731	75.0	90.5	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	95	57048	75.0	83.8	
S 130 1,2-Dichloroethene, Total	96				0		150.0	138.2	
S 131 Xylenes, Total	106				0		150.0	151.5	
S 154 Total BTEX	1				0		375.0	381.8	
S 132 1,3-Dichloropropene, Total	1				0		150.0	158.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	3.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	3.00	Units: uL
VOA8260SURR_00112	Amount Added:	3.00	Units: uL

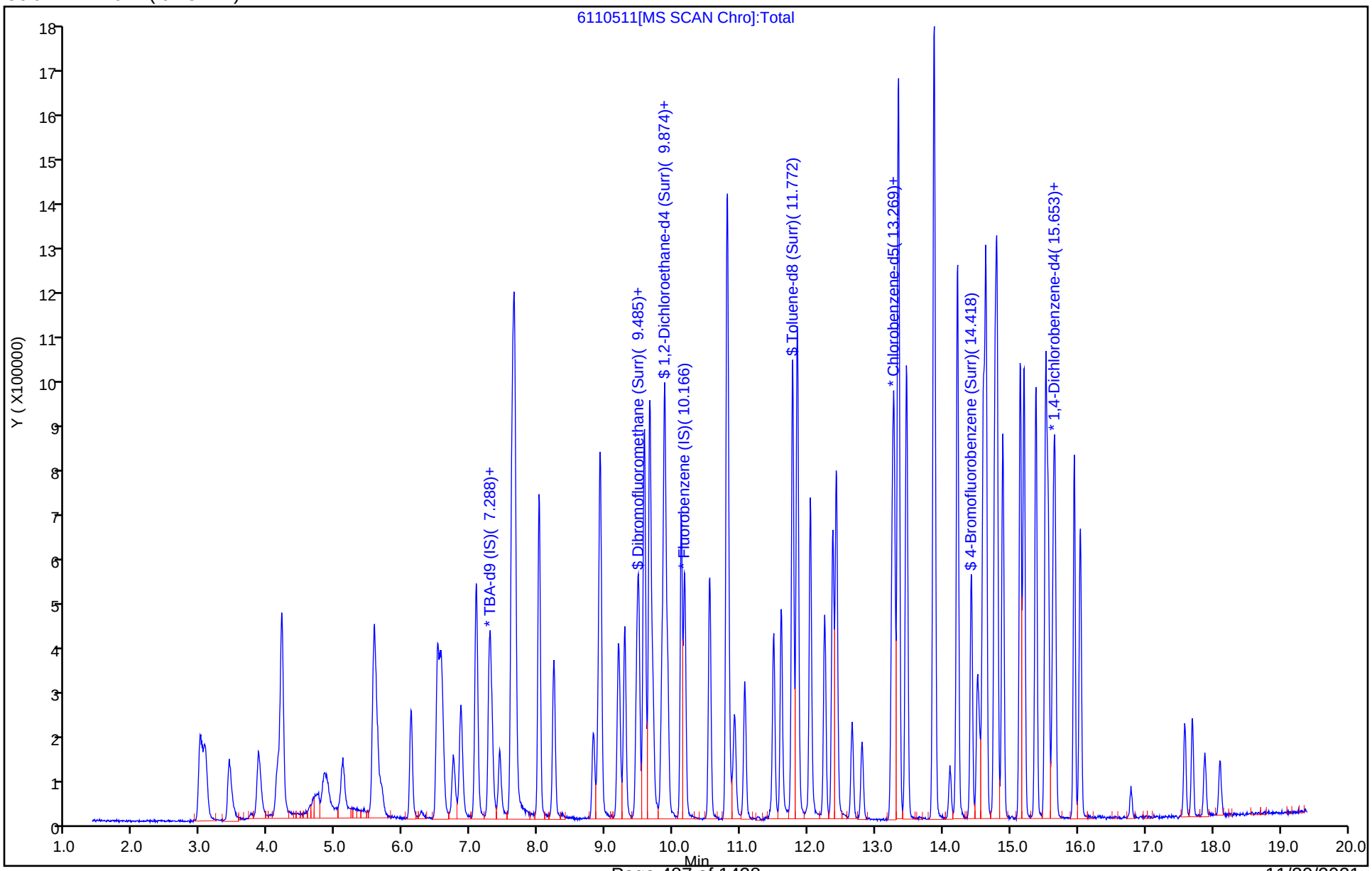
Report Date: 08-Nov-2020 13:31:10 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D

Injection Date:	05-Nov-2020 11:20:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

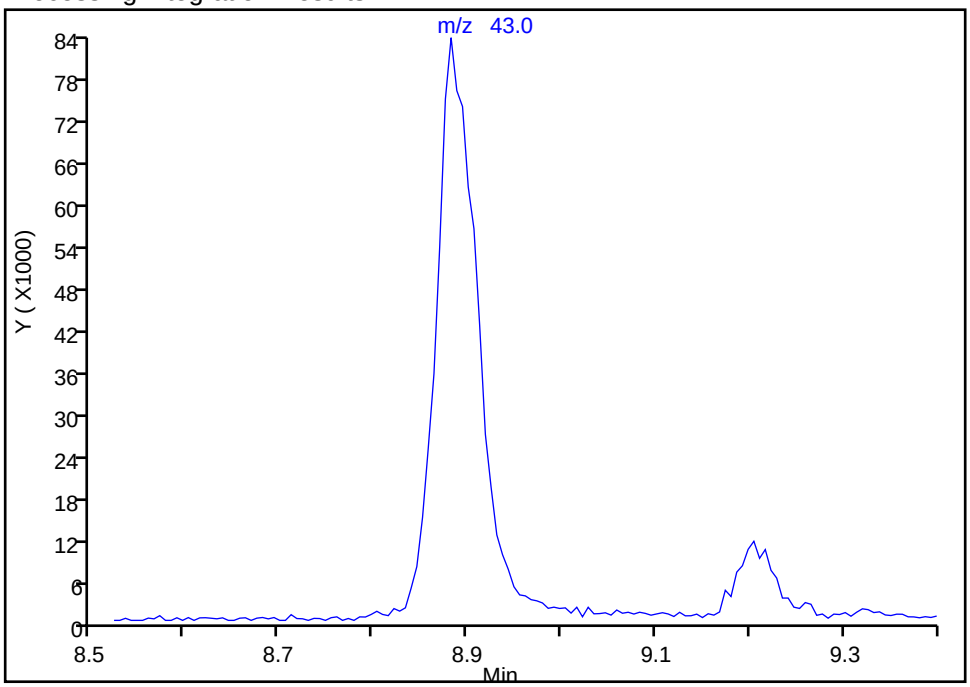
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Injection Date: 05-Nov-2020 11:20:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

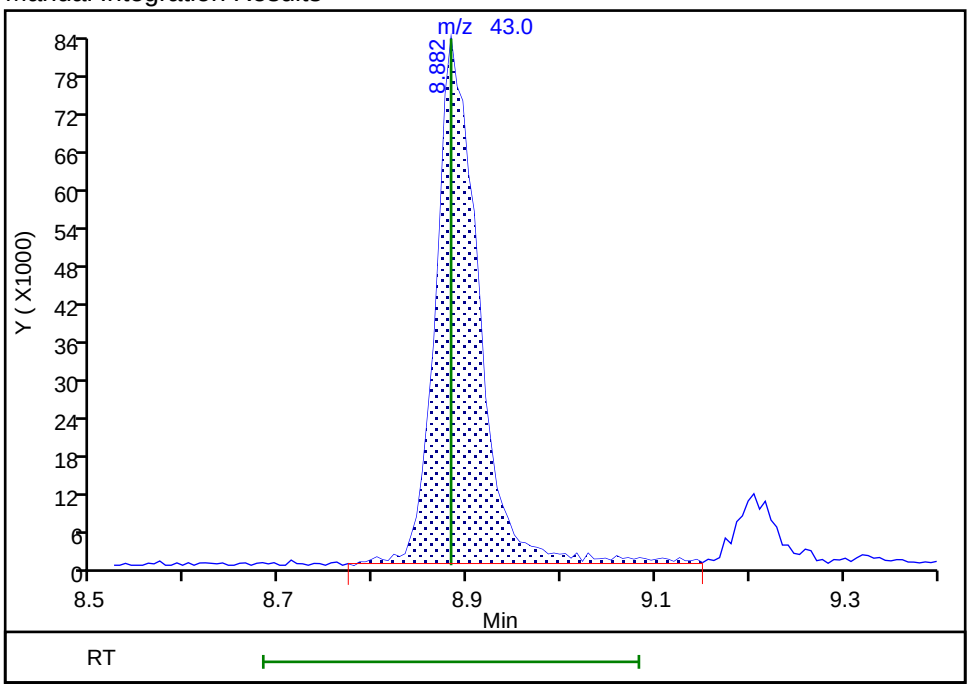
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.88
Area: 263964
Amount: 143.9521
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:50:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2020 11:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-012
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.319	-0.009	92	226094	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.172	-0.003	98	603499	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.244	-0.003	88	123664	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.629	0.003	96	179317	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.460	-0.003	92	264067	100.0	103.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.831	0.003	98	404191	100.0	101.7	
$ 7 Toluene-d8 (Surr)	98	11.769	11.772	-0.003	95	1159160	100.0	104.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.418	-0.003	0	392420	100.0	106.7	
11 Dichlorodifluoromethane	85	3.416	3.419	-0.003	99	380353	100.0	91.0	
12 Chloromethane	50	3.854	3.857	-0.003	99	455985	100.0	92.5	
13 Vinyl chloride	62	4.134	4.137	-0.003	97	378968	100.0	92.2	
14 Butadiene	39	4.195	4.198	-0.003	94	449318	100.0	93.5	M
15 Bromomethane	94	4.852	4.837	0.015	90	211505	100.0	92.8	
16 Chloroethane	64	5.101	5.105	-0.004	99	247684	100.0	88.5	
17 Dichlorofluoromethane	67	5.564	5.567	-0.003	97	599410	100.0	91.8	
18 Trichlorofluoromethane	101	5.606	5.597	0.009	97	516831	100.0	91.5	
20 Ethyl ether	59	6.117	6.120	-0.003	94	273468	100.0	92.3	
22 1,1-Dichloroethene	96	6.507	6.504	0.003	93	242319	100.0	90.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.549	6.558	-0.009	94	278619	100.0	89.8	
24 Acetone	43	6.592	6.595	-0.003	99	269581	200.0	211.6	
25 Iodomethane	142	6.750	6.741	0.009	99	360930	100.0	91.6	
26 Carbon disulfide	76	6.854	6.857	-0.003	100	738892	100.0	91.3	
30 Methyl acetate	43	7.073	7.069	0.004	99	497821	200.0	185.4	
29 3-Chloro-1-propene	76	7.085	7.082	0.003	90	155658	100.0	92.3	
31 Methylene Chloride	84	7.279	7.276	0.003	99	331688	100.0	92.6	
32 2-Methyl-2-propanol	59	7.425	7.434	-0.009	94	251818	1000.0	952.2	
33 Acrylonitrile	53	7.608	7.617	-0.009	99	1366935	1000.0	948.6	
35 Methyl tert-butyl ether	73	7.644	7.641	0.003	98	790136	100.0	108.3	
34 trans-1,2-Dichloroethene	96	7.650	7.660	-0.010	93	308160	100.0	89.5	
36 Hexane	57	8.009	8.012	-0.003	95	500285	100.0	95.1	
37 1,1-Dichloroethane	63	8.234	8.231	0.003	97	588048	100.0	90.2	
44 2-Butanone (MEK)	43	8.885	8.882	0.003	99	345063	200.0	190.8	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.916	8.919	-0.003	86	329821	100.0	90.3	
42 2,2-Dichloropropane	97	8.922	8.925	-0.003	68	74624	100.0	86.5	
48 Chlorobromomethane	128	9.190	9.180	0.010	93	142503	100.0	87.7	
49 Tetrahydrofuran	42	9.208	9.211	-0.003	44	189452	200.0	214.5	
50 Chloroform	83	9.281	9.284	-0.003	97	547876	100.0	91.3	
51 1,1,1-Trichloroethane	97	9.488	9.491	-0.003	98	461491	100.0	90.2	
52 Cyclohexane	56	9.573	9.570	0.003	94	660324	100.0	104.8	
54 1,1-Dichloropropene	75	9.646	9.649	-0.003	95	427465	100.0	94.7	
53 Carbon tetrachloride	117	9.658	9.661	-0.003	96	384021	100.0	93.2	
55 Isobutyl alcohol	41	9.701	9.698	0.003	90	272246	2500.0	2488.2	
56 Benzene	78	9.877	9.880	-0.003	98	1311296	100.0	93.7	
57 1,2-Dichloroethane	62	9.914	9.917	-0.003	97	484339	100.0	93.4	
59 n-Heptane	43	10.120	10.117	0.003	94	396995	100.0	106.8	
61 Trichloroethene	130	10.540	10.543	-0.003	97	309674	100.0	92.8	
63 Methylcyclohexane	83	10.796	10.793	0.003	96	519081	100.0	99.4	
64 1,2-Dichloropropane	63	10.814	10.811	0.003	90	344371	100.0	92.7	
65 1,4-Dioxane	88	10.856	10.859	-0.003	95	63524	2000.0	2020.4	
67 Dibromomethane	93	10.911	10.908	0.003	97	165406	100.0	93.2	
68 Dichlorobromomethane	83	11.057	11.060	-0.003	98	367432	100.0	94.7	
71 cis-1,3-Dichloropropene	75	11.489	11.492	-0.003	92	419042	100.0	109.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.605	11.602	0.003	98	632990	200.0	196.7	
73 Toluene	91	11.842	11.839	0.003	98	1367785	100.0	98.6	
75 Ethyl methacrylate	69	12.031	12.034	-0.003	93	295851	100.0	98.9	
74 trans-1,3-Dichloropropene	75	12.037	12.040	-0.003	97	392133	100.0	106.8	
76 1,1,2-Trichloroethane	97	12.243	12.247	-0.003	95	253265	100.0	94.4	
77 Tetrachloroethene	164	12.365	12.368	-0.003	95	247815	100.0	93.8	
78 1,3-Dichloropropane	76	12.420	12.417	0.003	96	491938	100.0	99.6	
79 2-Hexanone	43	12.414	12.417	-0.003	77	426355	200.0	200.5	
81 Chlorodibromomethane	129	12.657	12.654	0.003	91	213808	100.0	93.6	
82 Ethylene Dibromide	107	12.797	12.800	-0.003	98	228424	100.0	93.5	
84 Chlorobenzene	112	13.272	13.275	-0.003	93	808748	100.0	97.3	
87 Ethylbenzene	106	13.339	13.342	-0.004	99	471639	100.0	100.9	
86 1,1,1,2-Tetrachloroethane	131	13.339	13.342	-0.004	90	256974	100.0	95.5	
88 m-Xylene & p-Xylene	106	13.460	13.463	-0.003	100	571765	100.0	93.6	
89 o-Xylene	106	13.862	13.865	-0.003	97	540887	100.0	100.5	
90 Styrene	104	13.874	13.877	-0.003	94	825621	100.0	91.7	
91 Bromoform	173	14.105	14.102	0.003	95	106125	100.0	101.4	
93 Isopropylbenzene	105	14.215	14.218	-0.003	96	1408969	100.0	95.9	
96 1,1,2,2-Tetrachloroethane	83	14.513	14.516	-0.003	96	277793	100.0	96.1	
97 trans-1,4-Dichloro-2-butene	53	14.549	14.546	0.003	62	79996	100.0	104.2	
98 1,2,3-Trichloropropane	110	14.598	14.595	0.003	59	104336	100.0	90.3	
95 Bromobenzene	156	14.604	14.601	0.003	93	300790	100.0	92.9	
99 N-Propylbenzene	120	14.634	14.637	-0.003	99	360684	100.0	97.7	
100 2-Chlorotoluene	126	14.768	14.771	-0.003	95	300694	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	14.799	14.802	-0.003	94	1091183	100.0	92.5	
103 4-Chlorotoluene	126	14.884	14.887	-0.003	99	305646	100.0	94.3	
104 tert-Butylbenzene	119	15.145	15.148	-0.003	95	972480	100.0	100.3	
106 1,2,4-Trimethylbenzene	105	15.200	15.203	-0.003	97	1085440	100.0	93.5	
108 sec-Butylbenzene	105	15.376	15.379	-0.003	95	1209838	100.0	100.1	
110 4-Isopropyltoluene	119	15.522	15.526	-0.004	97	952271	100.0	88.3	
109 1,3-Dichlorobenzene	146	15.559	15.556	0.003	97	536034	100.0	91.0	
111 1,4-Dichlorobenzene	146	15.656	15.659	-0.003	92	534620	100.0	89.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.948	15.945	0.003	98	725923	100.0	100.5	
117 1,2-Dichlorobenzene	146	16.033	16.037	-0.003	96	480221	100.0	93.1	
118 1,2-Dibromo-3-Chloropropane	75	16.782	16.785	-0.003	70	33014	100.0	101.6	
122 1,2,4-Trichlorobenzene	180	17.585	17.582	0.003	94	132642	100.0	101.0	
123 Hexachlorobutadiene	225	17.694	17.697	-0.003	96	73784	100.0	108.5	
124 Naphthalene	128	17.883	17.880	0.003	98	265474	100.0	141.8	
125 1,2,3-Trichlorobenzene	180	18.108	18.105	0.003	94	86456	100.0	125.8	
S 130 1,2-Dichloroethene, Total	96				0		200.0	179.8	
S 131 Xylenes, Total	106				0		200.0	194.1	
S 154 Total BTEX	1				0		500.0	487.4	
S 132 1,3-Dichloropropene, Total	1				0		200.0	216.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	4.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	4.00	Units: uL
VOA8260SURR_00112	Amount Added:	4.00	Units: uL

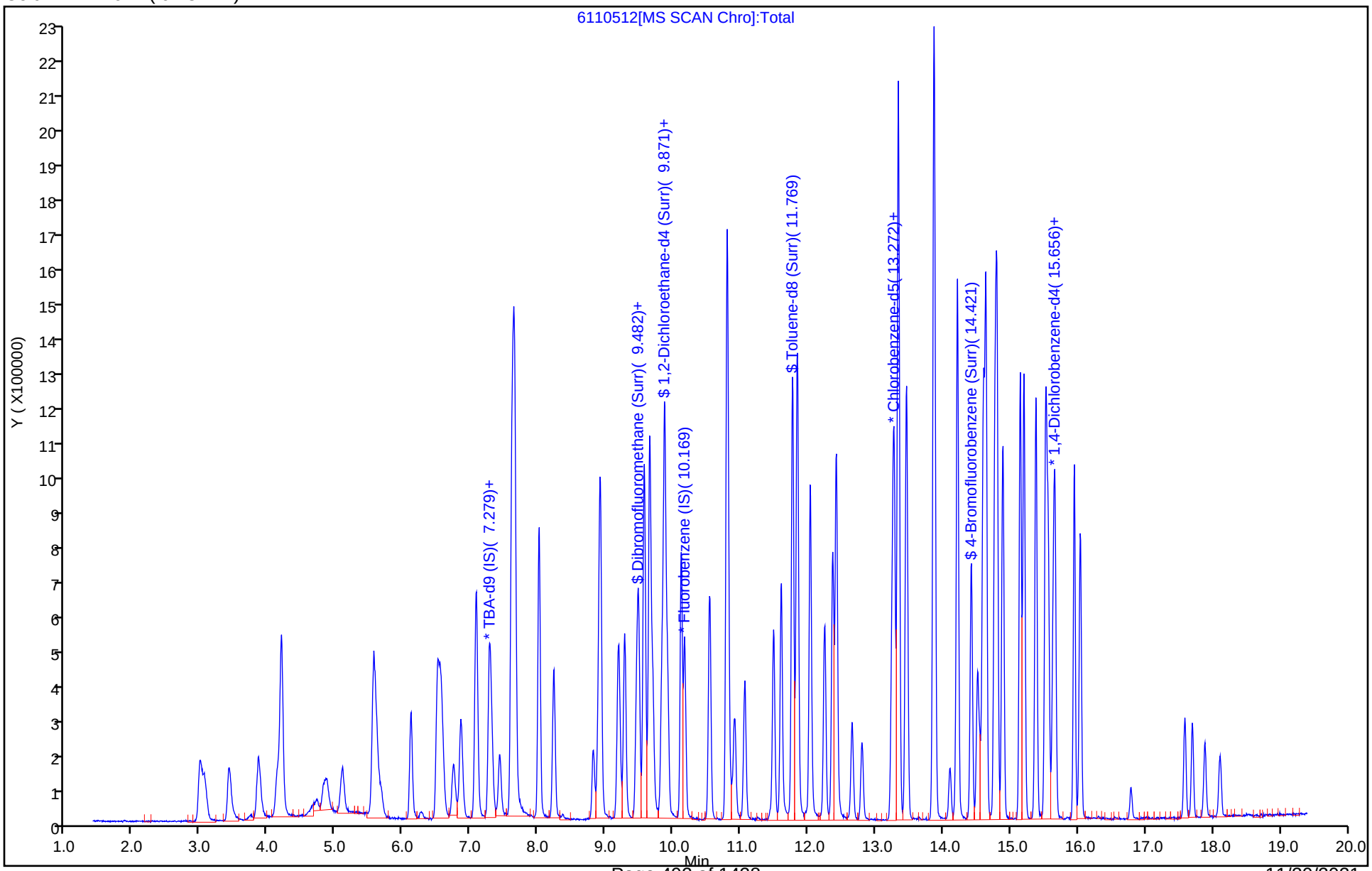
Report Date: 08-Nov-2020 13:31:18 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D

Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

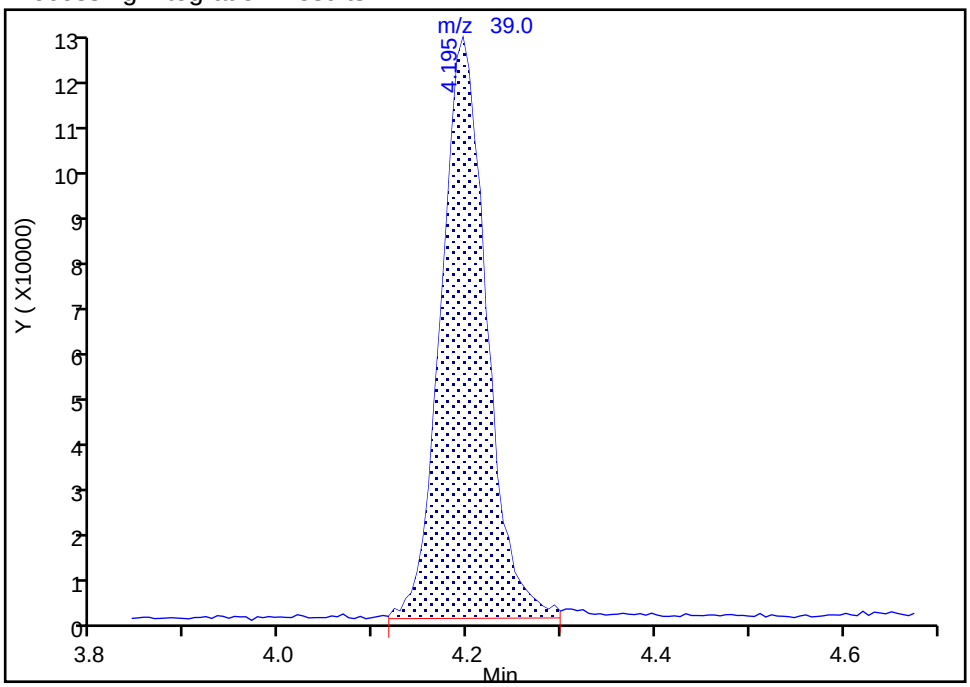
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

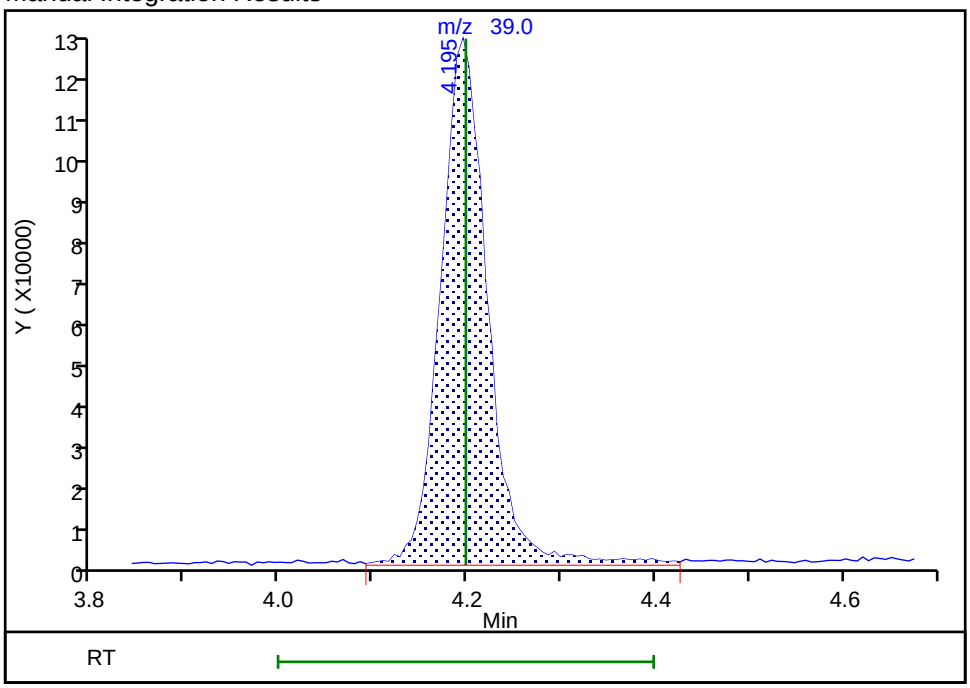
Processing Integration Results

RT: 4.20
Area: 432029
Amount: 84.741881
Amount Units: ng



Manual Integration Results

RT: 4.20
Area: 449318
Amount: 93.474722
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:19:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

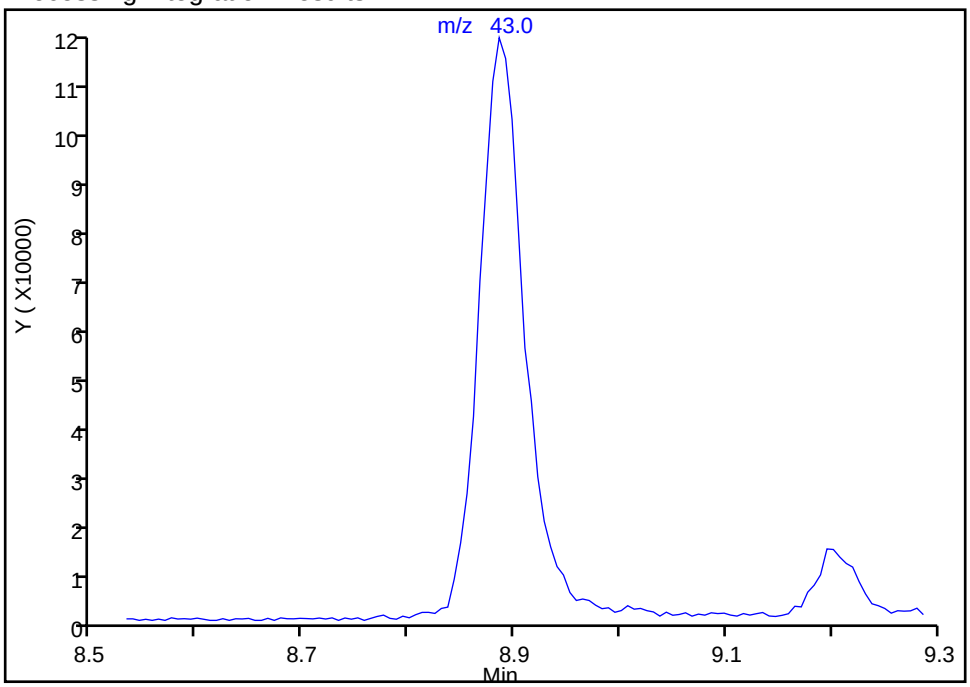
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

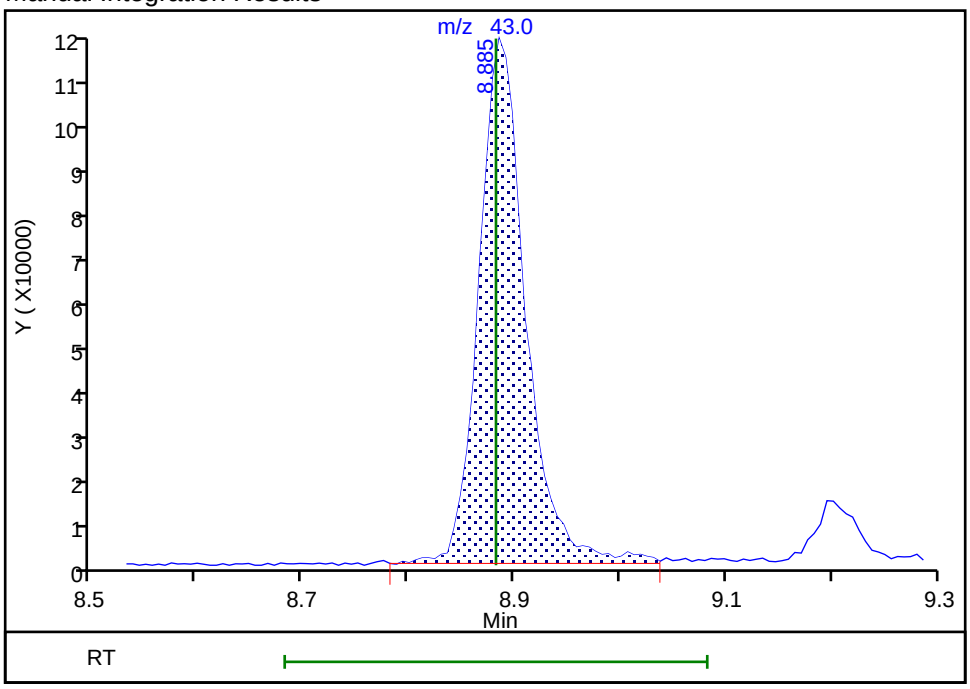
Processing Integration Results

Not Detected
Expected RT: 8.88



Manual Integration Results

RT: 8.89
Area: 345063
Amount: 190.8211
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:52:04
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Nov-2020 12:15:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-013
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:24 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	93	237065	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	557831	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	119941	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	97	161023	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	93	419791	175.0	177.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.832	9.831	0.001	87	631604	175.0	171.9	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	1927595	175.0	179.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.418	0.001	0	647000	175.0	181.3	
11 Dichlorodifluoromethane	85	3.426	3.419	0.007	99	745184	175.0	192.8	
12 Chloromethane	50	3.864	3.857	0.007	100	842498	175.0	184.9	
13 Vinyl chloride	62	4.144	4.137	0.007	98	741670	175.0	195.1	
14 Butadiene	39	4.198	4.198	0.000	93	839154	175.0	191.1	
15 Bromomethane	94	4.861	4.837	0.024	92	385310	175.0	185.3	
16 Chloroethane	64	5.105	5.105	0.000	100	473377	175.0	182.9	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	98	1128742	175.0	187.1	
18 Trichlorofluoromethane	101	5.598	5.597	0.001	98	1009276	175.0	193.2	
20 Ethyl ether	59	6.115	6.120	-0.005	96	513339	175.0	187.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	476297	175.0	192.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.559	6.558	0.001	94	535828	175.0	186.8	
24 Acetone	43	6.589	6.595	-0.006	98	460912	350.0	391.4	
25 Iodomethane	142	6.747	6.741	0.006	99	679025	175.0	186.4	
26 Carbon disulfide	76	6.857	6.857	0.000	100	1435357	175.0	191.9	
30 Methyl acetate	43	7.070	7.069	0.001	99	946033	350.0	381.2	
29 3-Chloro-1-propene	76	7.088	7.082	0.006	90	311579	175.0	200.0	
31 Methylene Chloride	84	7.283	7.276	0.007	99	565880	175.0	175.0	
32 2-Methyl-2-propanol	59	7.429	7.434	-0.005	94	475429	1750.0	1714.5	
33 Acrylonitrile	53	7.611	7.617	-0.006	98	2593990	1750.0	1947.5	
35 Methyl tert-butyl ether	73	7.642	7.641	0.001	98	1496613	175.0	221.8	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	581182	175.0	182.7	
36 Hexane	57	8.019	8.012	0.007	95	994929	175.0	204.5	
37 1,1-Dichloroethane	63	8.232	8.231	0.001	97	1120797	175.0	186.0	
44 2-Butanone (MEK)	43	8.889	8.882	0.007	99	618125	350.0	352.6	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.913	8.919	-0.006	87	621793	175.0	184.2	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	91	141690	175.0	177.8	
48 Chlorobromomethane	128	9.187	9.180	0.007	93	262957	175.0	175.2	
49 Tetrahydrofuran	42	9.205	9.211	-0.006	44	378993	350.0	464.2	
50 Chloroform	83	9.284	9.284	0.000	97	1006069	175.0	181.3	
51 1,1,1-Trichloroethane	97	9.485	9.491	-0.006	97	911477	175.0	192.7	
52 Cyclohexane	56	9.570	9.570	0.000	93	1330680	175.0	228.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	848242	175.0	203.4	
53 Carbon tetrachloride	117	9.655	9.661	-0.006	97	741993	175.0	194.9	
55 Isobutyl alcohol	41	9.698	9.698	0.000	91	516882	4375.0	5110.9	
56 Benzene	78	9.874	9.880	-0.006	98	2460058	175.0	190.3	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	96	885871	175.0	184.9	
59 n-Heptane	43	10.124	10.117	0.007	96	818576	175.0	238.2	
61 Trichloroethene	130	10.543	10.543	0.000	97	597793	175.0	193.8	
63 Methylcyclohexane	83	10.793	10.793	0.000	95	1047837	175.0	215.5	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	641556	175.0	186.8	
65 1,4-Dioxane	88	10.866	10.859	0.007	95	121579	3500.0	4116.4	
67 Dibromomethane	93	10.914	10.908	0.006	96	301698	175.0	183.9	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	676108	175.0	188.4	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	92	820521	175.0	232.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	1169372	350.0	357.0	
73 Toluene	91	11.839	11.839	0.000	97	2653112	175.0	197.2	
75 Ethyl methacrylate	69	12.028	12.034	-0.006	90	641291	175.0	176.3	
74 trans-1,3-Dichloropropene	75	12.034	12.040	-0.006	92	756371	175.0	212.4	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.001	95	465914	175.0	179.0	
77 Tetrachloroethene	164	12.362	12.368	-0.006	94	491949	175.0	191.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	907330	175.0	189.5	
79 2-Hexanone	43	12.417	12.417	0.000	98	768293	350.0	355.4	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	417139	175.0	188.3	
82 Ethylene Dibromide	107	12.800	12.800	0.000	100	435350	175.0	183.7	
84 Chlorobenzene	112	13.275	13.275	0.000	93	1514759	175.0	188.0	
87 Ethylbenzene	106	13.336	13.342	-0.006	99	910637	175.0	198.9	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	94	486580	175.0	186.4	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	100	1109435	175.0	184.4	
89 o-Xylene	106	13.859	13.865	-0.006	97	1044366	175.0	196.0	
90 Styrene	104	13.877	13.877	0.000	92	1614997	175.0	180.5	
91 Bromoform	173	14.102	14.102	0.000	95	203002	175.0	200.0	
93 Isopropylbenzene	105	14.212	14.218	-0.006	96	2813005	175.0	194.6	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.516	-0.006	96	521753	175.0	186.0	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	160445	175.0	231.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	88	199230	175.0	192.1	
95 Bromobenzene	156	14.601	14.601	0.000	96	556036	175.0	191.2	
99 N-Propylbenzene	120	14.638	14.637	0.001	99	718236	175.0	213.6	
100 2-Chlorotoluene	126	14.765	14.771	-0.006	95	568129	175.0	200.1	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	2090582	175.0	194.4	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	584830	175.0	200.9	
104 tert-Butylbenzene	119	15.149	15.148	0.001	93	1912029	175.0	217.0	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	98	2049989	175.0	193.7	
108 sec-Butylbenzene	105	15.374	15.379	-0.005	94	2382047	175.0	216.9	
110 4-Isopropyltoluene	119	15.520	15.526	-0.006	97	1905453	175.0	191.8	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	995523	175.0	188.2	
111 1,4-Dichlorobenzene	146	15.660	15.659	0.001	93	1005518	175.0	187.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1492022	175.0	227.0	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.001	96	894741	175.0	193.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	73	57027	175.0	195.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	94	235785	175.0	199.9	
123 Hexachlorobutadiene	225	17.698	17.697	0.001	97	133216	175.0	221.1	
124 Naphthalene	128	17.886	17.880	0.006	96	488279	175.0	290.5	M
125 1,2,3-Trichlorobenzene	180	18.111	18.105	0.006	94	144171	175.0	233.6	
S 130 1,2-Dichloroethene, Total	96				0		350.0	366.9	
S 131 Xylenes, Total	106				0		350.0	380.4	
S 154 Total BTEX	1				0		875.0	966.7	
S 132 1,3-Dichloropropene, Total	1				0		350.0	445.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	7.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	7.00	Units: uL
VOA8260SURR_00112	Amount Added:	7.00	Units: uL

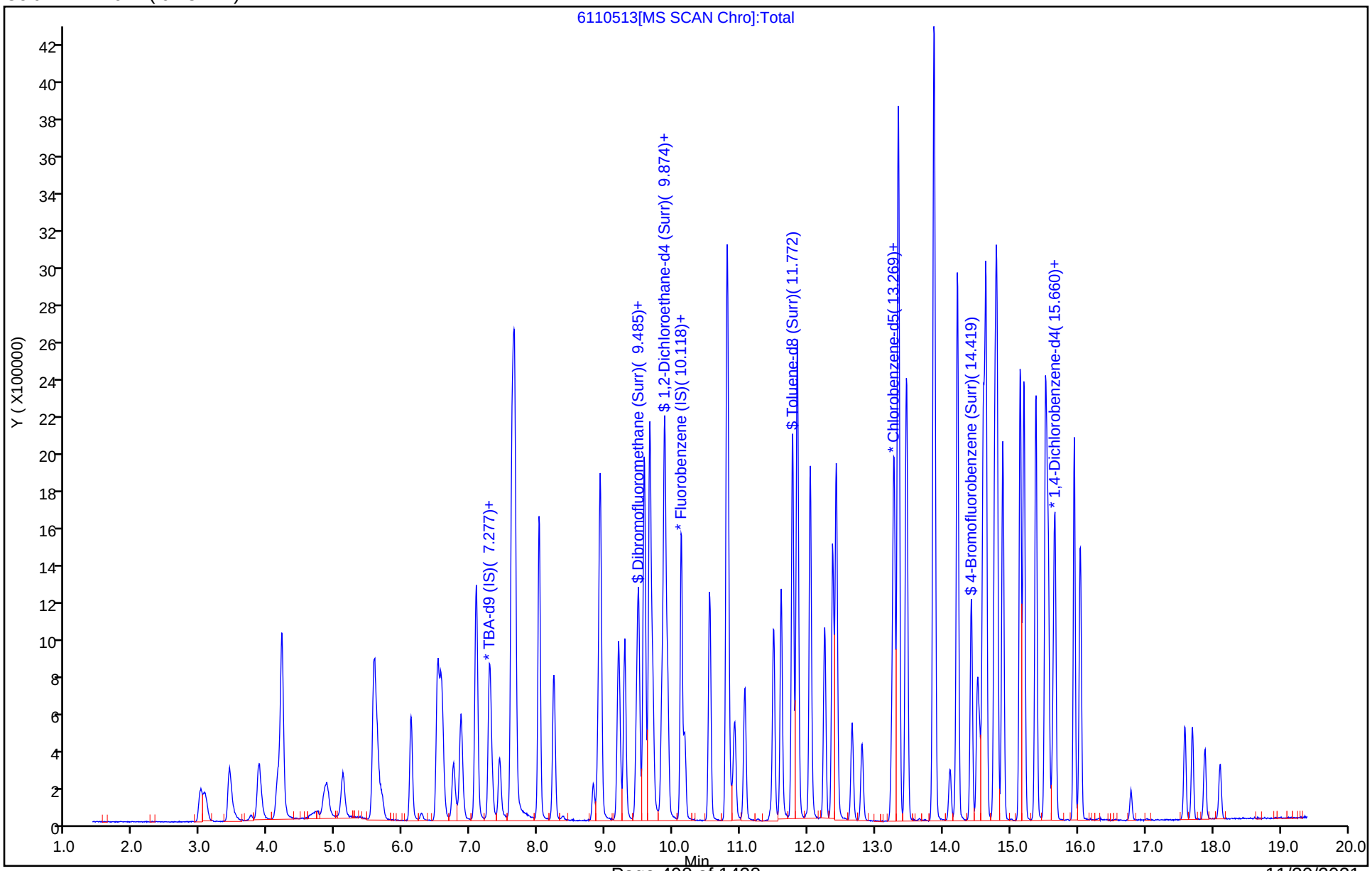
Report Date: 08-Nov-2020 13:31:27 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D

Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

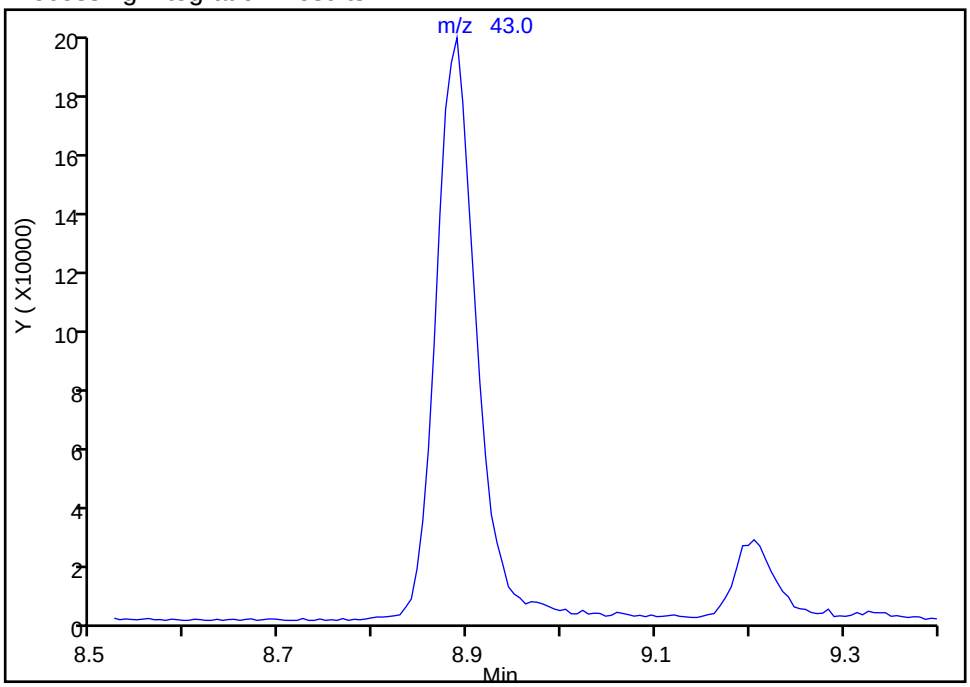
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Injection Date: 05-Nov-2020 12:15:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

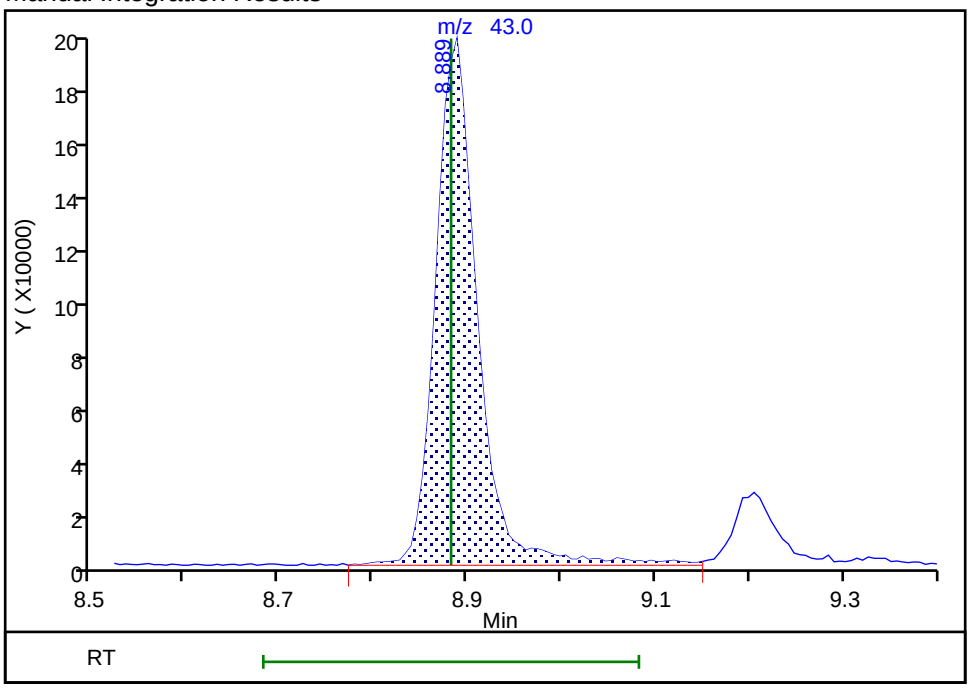
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 618125
Amount: 352.5994
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:53:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

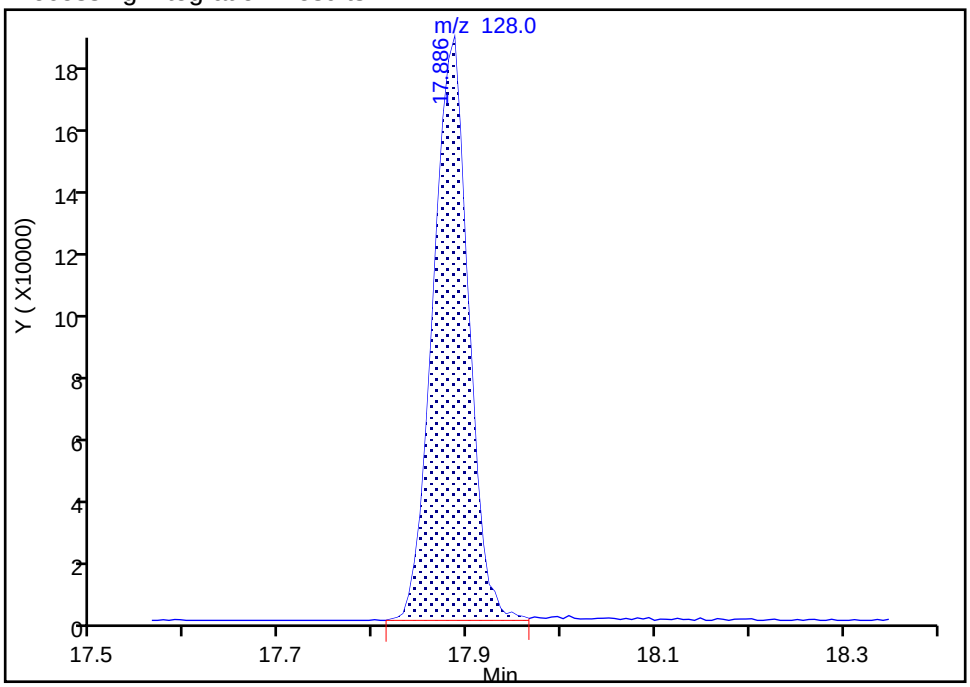
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Injection Date: 05-Nov-2020 12:15:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

124 Naphthalene, CAS: 91-20-3

Signal: 1

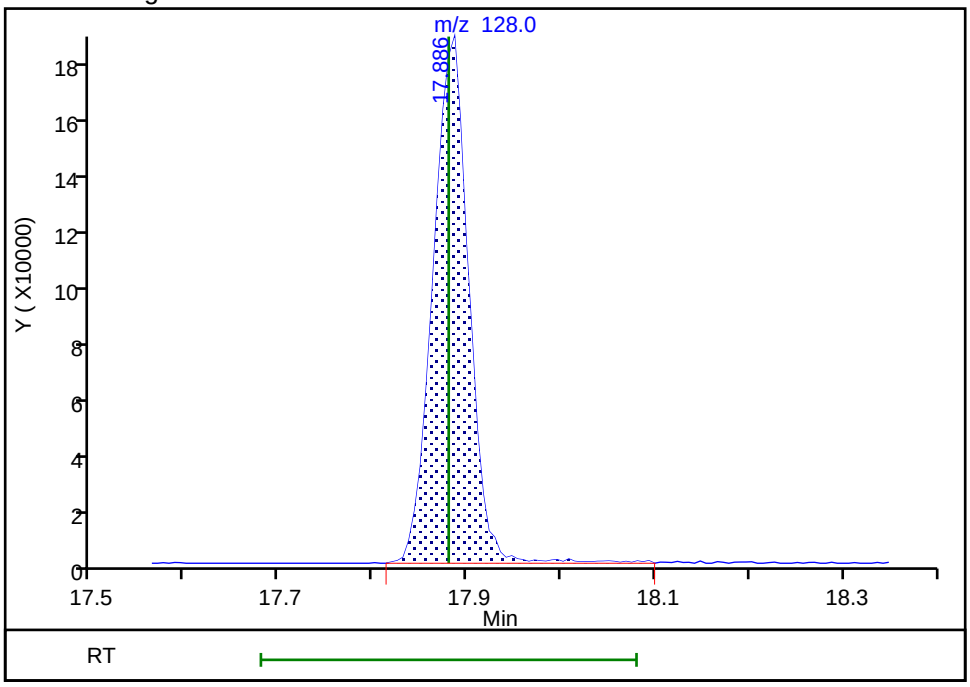
Processing Integration Results

RT: 17.89
Area: 482858
Amount: 174.2953
Amount Units: ng



Manual Integration Results

RT: 17.89
Area: 488279
Amount: 290.5301
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:29:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2020 12:42:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-014
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:33 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	78	252760	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.172	-0.007	98	596785	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.244	-0.006	88	132184	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.629	-0.001	98	177614	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	511421	200.0	202.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	829657	200.0	211.1	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2324597	200.0	196.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	801286	200.0	203.8	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	100	872601	200.0	211.0	
12 Chloromethane	50	3.851	3.857	-0.006	100	1036786	200.0	212.7	
13 Vinyl chloride	62	4.131	4.137	-0.006	98	888095	200.0	218.4	
14 Butadiene	39	4.191	4.198	-0.007	93	1007668	200.0	214.7	
15 Bromomethane	94	4.824	4.837	-0.013	91	470832	200.0	212.0	
16 Chloroethane	64	5.098	5.105	-0.007	99	578080	200.0	208.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	1329027	200.0	205.9	
18 Trichlorofluoromethane	101	5.603	5.597	0.006	98	1192370	200.0	213.4	
20 Ethyl ether	59	6.114	6.120	-0.006	95	664453	200.0	226.7	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	579907	200.0	219.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	638062	200.0	207.9	
24 Acetone	43	6.594	6.595	-0.001	99	571930	400.0	454.0	
25 Iodomethane	142	6.740	6.741	-0.001	99	850385	200.0	218.2	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1752803	200.0	219.1	
30 Methyl acetate	43	7.075	7.069	0.006	99	1200806	400.0	452.3	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	90	388186	200.0	232.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	733511	200.0	213.0	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	94	647659	2000.0	2190.6	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	3285828	2000.0	2305.9	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	1959001	200.0	271.4	
34 trans-1,2-Dichloroethene	96	7.653	7.660	-0.007	94	722420	200.0	212.3	
36 Hexane	57	8.012	8.012	0.000	95	1195781	200.0	229.8	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	1402144	200.0	217.5	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	751617	400.0	398.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.918	8.919	-0.001	86	781917	200.0	216.5	
42 2,2-Dichloropropane	97	8.918	8.925	-0.007	92	174589	200.0	204.7	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	340592	200.0	212.1	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	54	494054	400.0	565.6	
50 Chloroform	83	9.283	9.284	-0.001	95	1265843	200.0	213.2	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1117814	200.0	220.8	
52 Cyclohexane	56	9.569	9.570	-0.001	93	1609731	200.0	258.3	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1024928	200.0	229.7	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	97	904067	200.0	222.0	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	91	619287	5000.0	5723.8	
56 Benzene	78	9.873	9.880	-0.007	98	3081445	200.0	222.8	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1143818	200.0	223.1	
59 n-Heptane	43	10.123	10.117	0.006	95	985227	200.0	268.0	
61 Trichloroethene	130	10.543	10.543	0.000	97	740156	200.0	224.3	
63 Methylcyclohexane	83	10.798	10.793	0.005	95	1257625	200.0	241.6	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	91	812076	200.0	221.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	96	160916	4000.0	5077.7	
67 Dibromomethane	93	10.914	10.908	0.006	97	385788	200.0	219.8	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	888638	200.0	231.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	1084120	200.0	287.7	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1523082	400.0	418.4	
73 Toluene	91	11.838	11.839	-0.001	98	3312951	200.0	223.4	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	80	845208	200.0	199.2	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	90	996294	200.0	253.9	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	95	603597	200.0	210.4	
77 Tetrachloroethene	164	12.368	12.368	0.000	95	587064	200.0	207.8	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1167354	200.0	221.2	
79 2-Hexanone	43	12.416	12.417	-0.001	97	1002573	400.0	417.2	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	550292	200.0	225.4	
82 Ethylene Dibromide	107	12.800	12.800	0.000	98	573575	200.0	219.6	
84 Chlorobenzene	112	13.274	13.275	-0.001	92	1944620	200.0	219.0	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1157170	200.0	229.0	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	94	628411	200.0	218.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	1417879	200.0	213.3	
89 o-Xylene	106	13.858	13.865	-0.007	97	1347963	200.0	228.9	
90 Styrene	104	13.876	13.877	-0.001	95	2110939	200.0	213.3	
91 Bromoform	173	14.107	14.102	0.005	95	276152	200.0	246.9	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	3565423	200.0	223.4	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	675427	200.0	218.5	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	80	221189	200.0	288.7	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	85	247013	200.0	215.9	
95 Bromobenzene	156	14.600	14.601	-0.001	97	726350	200.0	226.4	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	902068	200.0	242.9	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	721911	200.0	230.5	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	2666591	200.0	224.4	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	745803	200.0	232.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2406534	200.0	247.4	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	97	2649257	200.0	226.4	
108 sec-Butylbenzene	105	15.373	15.379	-0.006	94	2997535	200.0	247.1	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2392283	200.0	217.8	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	98	1278992	200.0	219.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1300467	200.0	219.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1897302	200.0	261.4	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1153305	200.0	225.7	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	78220	200.0	242.9	
122 1,2,4-Trichlorobenzene	180	17.587	17.582	0.005	94	348851	200.0	268.1	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	97	180552	200.0	272.4	
124 Naphthalene	128	17.885	17.880	0.005	97	829265	200.0	447.3	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	94	232782	200.0	342.0	
S 130 1,2-Dichloroethene, Total	96				0		400.0	428.8	
S 131 Xylenes, Total	106				0		400.0	442.2	
S 154 Total BTEX	1				0		1000.0	1117.4	
S 132 1,3-Dichloropropene, Total	1				0		400.0	541.6	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	8.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	8.00	Units: uL
VOA8260SURR_00112	Amount Added:	8.00	Units: uL

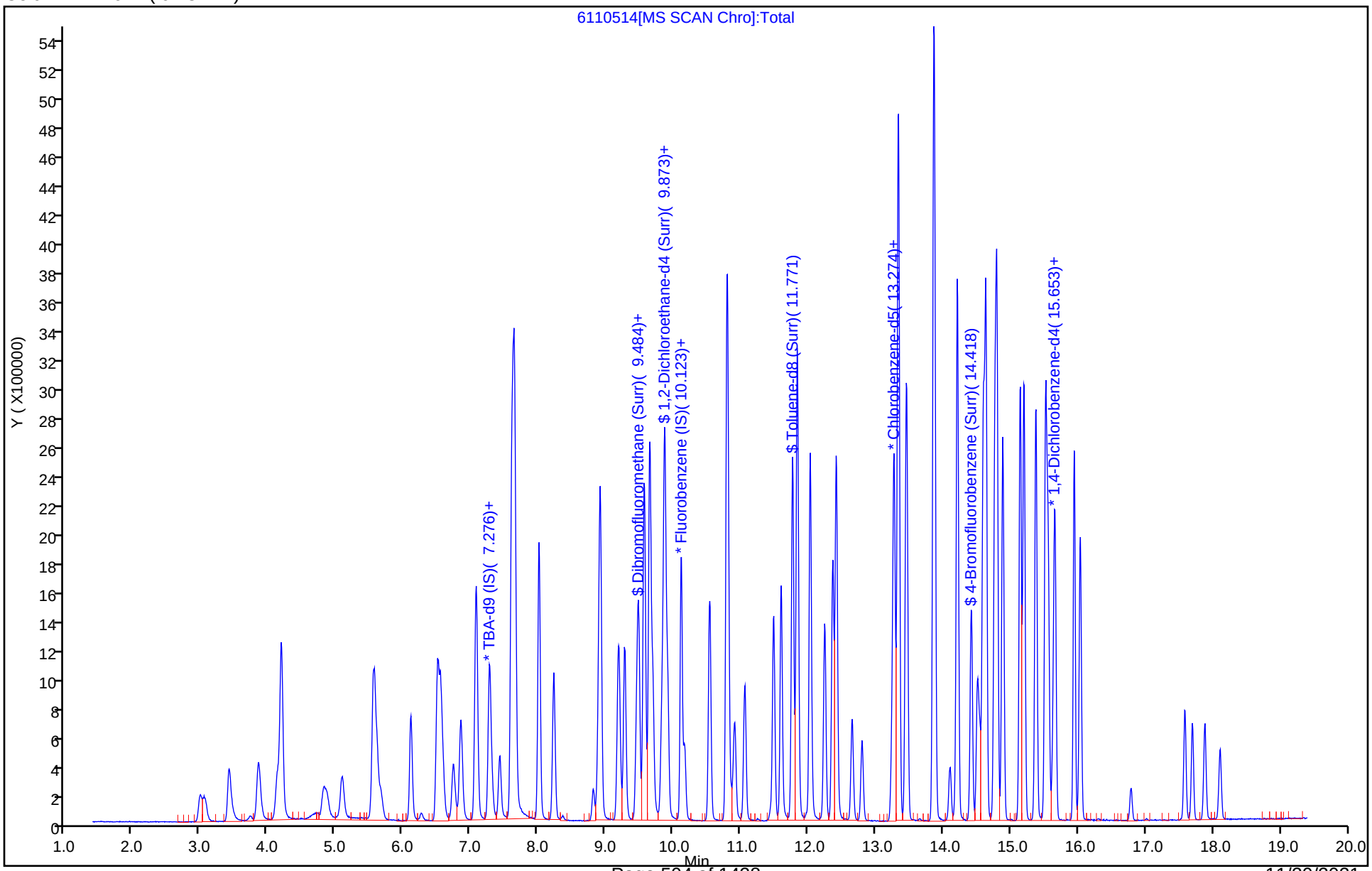
Report Date: 08-Nov-2020 13:31:37 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D

Injection Date:	05-Nov-2020 12:42:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2020 13:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-015
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:42 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.318	7.319	-0.001	93	238315	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	99	597851	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.243	13.244	-0.001	88	135295	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	92	182728	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	671299	250.0	265.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	1001784	250.0	254.4	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2969702	250.0	244.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	1058585	250.0	263.0	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	99	883329	250.0	213.2	
12 Chloromethane	50	3.863	3.857	0.006	99	1134366	250.0	232.3	
13 Vinyl chloride	62	4.136	4.137	-0.001	98	921287	250.0	226.2	
14 Butadiene	39	4.197	4.198	-0.001	92	968799	250.0	206.0	
15 Bromomethane	94	4.818	4.837	-0.019	91	525833	250.0	236.6	
16 Chloroethane	64	5.085	5.105	-0.020	99	619755	250.0	223.5	
17 Dichlorofluoromethane	67	5.554	5.567	-0.013	97	1518170	250.0	234.8	
18 Trichlorofluoromethane	101	5.590	5.597	-0.007	87	1223795	250.0	218.6	
20 Ethyl ether	59	6.114	6.120	-0.006	95	858517	250.0	292.4	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	598741	250.0	226.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	655389	250.0	213.1	
24 Acetone	43	6.588	6.595	-0.007	99	742709	500.0	588.5	
25 Iodomethane	142	6.740	6.741	-0.001	98	1001720	250.0	256.6	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1850851	250.0	230.9	
30 Methyl acetate	43	7.075	7.069	0.006	99	1552385	500.0	583.6	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	89	431280	250.0	258.3	
31 Methylene Chloride	84	7.282	7.276	0.006	99	880652	250.0	256.2	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	96	840352	2500.0	3014.7	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	4319686	2500.0	3026.1	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	2517888	250.0	348.2	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	94	786998	250.0	230.8	
36 Hexane	57	8.012	8.012	0.000	94	1217455	250.0	233.5	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	1621674	250.0	251.2	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	963829	500.0	504.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	86	932012	250.0	257.6	
42 2,2-Dichloropropane	97	8.924	8.925	-0.001	92	197160	250.0	230.8	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	418685	250.0	260.2	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	45	649164	500.0	741.8	
50 Chloroform	83	9.283	9.284	-0.001	97	1501363	250.0	252.4	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1192137	250.0	235.1	
52 Cyclohexane	56	9.575	9.570	0.005	93	1642460	250.0	263.0	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1086528	250.0	243.1	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	95	963658	250.0	236.2	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	93	836215	6250.0	7714.9	
56 Benzene	78	9.873	9.880	-0.007	98	3568216	250.0	257.5	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1414230	250.0	275.4	
59 n-Heptane	43	10.123	10.117	0.006	95	1001052	250.0	271.9	
61 Trichloroethene	130	10.542	10.543	-0.001	97	826397	250.0	250.0	
63 Methylcyclohexane	83	10.798	10.793	0.005	93	1303685	250.0	249.9	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	92	982978	250.0	267.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	98	211979	5000.0	6657.4	
67 Dibromomethane	93	10.907	10.908	-0.001	95	497257	250.0	282.8	
68 Dichlorobromomethane	83	11.059	11.060	-0.001	99	1099771	250.0	286.0	
71 cis-1,3-Dichloropropene	75	11.491	11.492	-0.001	92	1377526	250.0	364.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1964437	500.0	522.1	
73 Toluene	91	11.844	11.839	0.005	97	3814402	250.0	251.3	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	90	1119374	250.0	236.4	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	93	1275175	250.0	317.5	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	94	775365	250.0	264.0	
77 Tetrachloroethene	164	12.361	12.368	-0.007	95	642453	250.0	222.2	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1488680	250.0	275.6	
79 2-Hexanone	43	12.416	12.417	-0.001	92	1292763	500.0	520.4	
81 Chlorodibromomethane	129	12.653	12.654	-0.001	90	712707	250.0	285.2	
82 Ethylene Dibromide	107	12.799	12.800	-0.001	99	744456	250.0	278.4	
84 Chlorobenzene	112	13.274	13.275	-0.001	93	2353188	250.0	258.9	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1322356	250.0	255.4	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	93	769833	250.0	261.4	
88 m-Xylene & p-Xylene	106	13.456	13.463	-0.007	100	1642810	250.0	241.1	
89 o-Xylene	106	13.858	13.865	-0.007	98	1591685	250.0	263.4	
90 Styrene	104	13.876	13.877	-0.001	95	2573458	250.0	253.2	
91 Bromoform	173	14.107	14.102	0.005	95	365030	250.0	318.8	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	4026784	250.0	246.3	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	864759	250.0	273.3	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	70	293192	250.0	371.6	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	88	321244	250.0	272.9	
95 Bromobenzene	156	14.600	14.601	-0.001	98	895171	250.0	271.3	
99 N-Propylbenzene	120	14.637	14.637	0.000	99	1013082	250.0	264.9	
100 2-Chlorotoluene	126	14.764	14.771	-0.007	95	838635	250.0	260.3	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	3070571	250.0	250.9	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	873110	250.0	264.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2743319	250.0	273.8	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	98	3106150	250.0	257.7	
108 sec-Butylbenzene	105	15.379	15.379	0.000	94	3345177	250.0	267.9	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2712218	250.0	239.6	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	97	1534633	250.0	255.6	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1576970	250.0	258.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.944	15.945	-0.001	98	2135121	250.0	285.7	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1421657	250.0	270.4	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	107380	250.0	324.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	94	426821	250.0	318.9	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	95	192694	250.0	282.6	
124 Naphthalene	128	17.879	17.880	-0.001	98	1091308	250.0	572.2	
125 1,2,3-Trichlorobenzene	180	18.104	18.105	-0.001	94	290995	250.0	415.5	
S 130 1,2-Dichloroethene, Total	96				0		500.0	488.4	
S 131 Xylenes, Total	106				0		500.0	504.5	
S 154 Total BTEX	1				0		1250.0	1268.7	
S 132 1,3-Dichloropropene, Total	1				0		500.0	682.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	10.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	10.00	Units: uL
VOA8260SURR_00112	Amount Added:	10.00	Units: uL

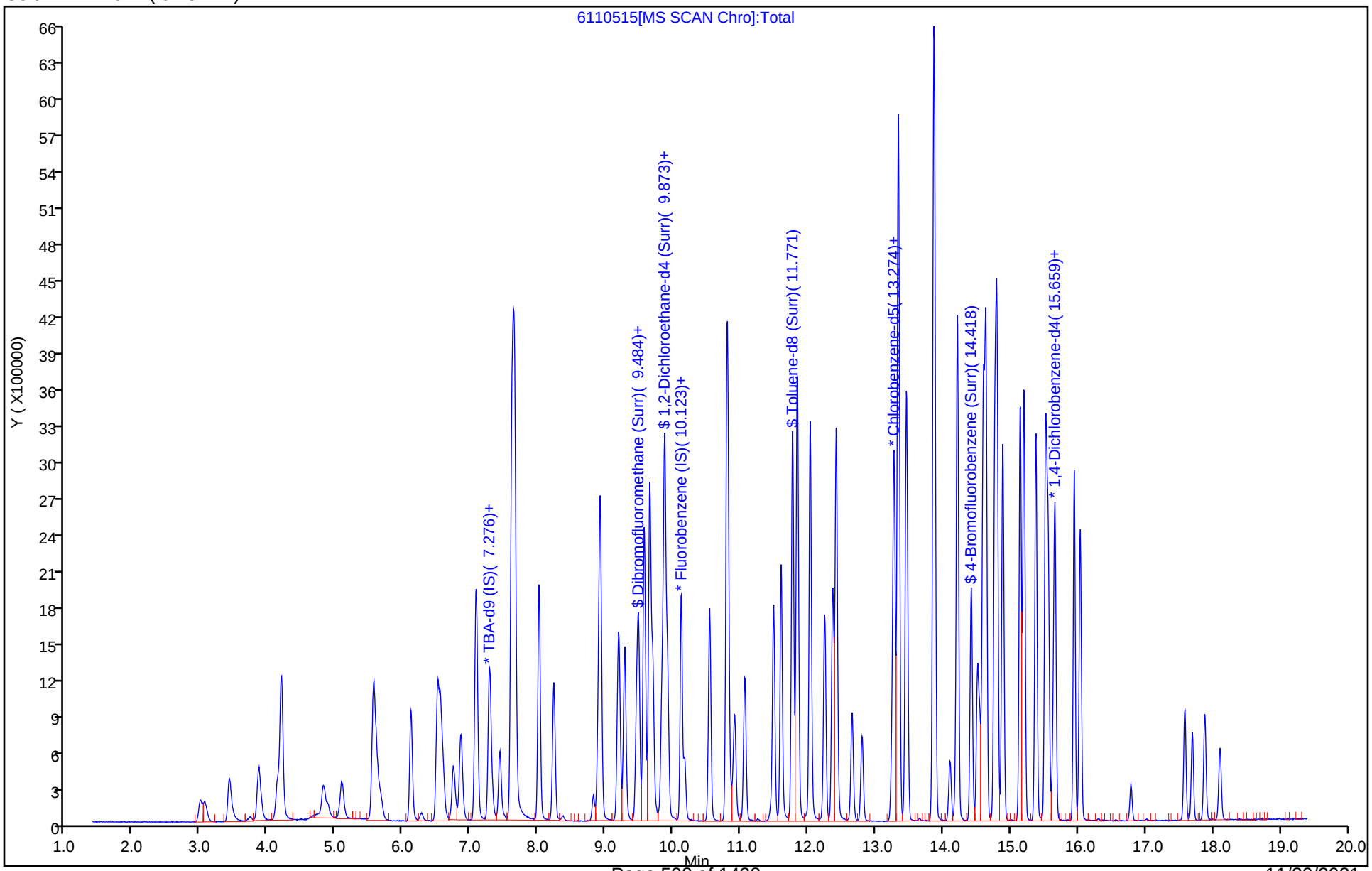
Report Date: 08-Nov-2020 13:31:46 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D

Injection Date:	05-Nov-2020 13:09:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2020 18:41:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-025
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:51 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	90	153503	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	399089	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	91	78244	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.635	15.629	0.006	97	91017	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.466	9.460	0.006	89	14705	5.00	8.70	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	83	24566	5.00	9.35	
$ 7 Toluene-d8 (Surr)	98	11.766	11.772	-0.006	95	45718	5.00	6.52	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	13827	5.00	5.94	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	88	15100	5.00	5.46	M
12 Chloromethane	50	3.863	3.857	0.006	67	18021	5.00	5.53	M
13 Vinyl chloride	62	4.155	4.137	0.018	31	14342	5.00	5.27	M
14 Butadiene	39	4.192	4.198	-0.006	96	22306	5.00	5.03	M
15 Bromomethane	94	4.873	4.837	0.036	36	9885	5.00	4.24	M
16 Chloroethane	64	5.086	5.105	-0.019	57	11007	5.00	5.95	
17 Dichlorofluoromethane	67	5.561	5.567	-0.006	96	24299	5.00	5.63	
18 Trichlorofluoromethane	101	5.591	5.597	-0.006	79	20380	5.00	5.45	
20 Ethyl ether	59	6.108	6.120	-0.012	96	9870	5.00	5.04	
22 1,1-Dichloroethene	96	6.497	6.504	-0.007	91	9528	5.00	5.39	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	74	12537	5.00	6.11	
24 Acetone	43	6.601	6.595	0.006	89	15200	25.0	18.0	
25 Iodomethane	142	6.747	6.741	0.006	97	13221	5.00	5.07	
26 Carbon disulfide	76	6.850	6.857	-0.007	98	29575	5.00	5.53	M
30 Methyl acetate	43	7.069	7.069	0.000	95	17788	10.0	10.0	M
29 3-Chloro-1-propene	76	7.081	7.082	-0.001	91	5735	5.00	5.14	
31 Methylene Chloride	84	7.282	7.276	0.006	95	24279	5.00	5.93	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	89	7780	50.0	43.3	
33 Acrylonitrile	53	7.623	7.617	0.006	98	46376	50.0	48.7	M
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	94	22607	5.00	4.68	
34 trans-1,2-Dichloroethene	96	7.665	7.660	0.005	91	13973	5.00	6.14	
36 Hexane	57	8.012	8.012	0.000	95	15606	5.00	4.48	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	85	23812	5.00	5.52	M
44 2-Butanone (MEK)	43	8.900	8.882	0.018	97	13993	25.0	28.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	88	14197	5.00	5.88	
42 2,2-Dichloropropane	97	8.937	8.925	0.012	88	3995	5.00	7.01	M
48 Chlorobromomethane	128	9.198	9.180	0.018	92	7039	5.00	6.55	
49 Tetrahydrofuran	42	9.217	9.211	0.006	42	5800	10.0	9.93	
50 Chloroform	83	9.271	9.284	-0.013	73	23020	5.00	5.80	M
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	93	18558	5.00	5.48	
52 Cyclohexane	56	9.570	9.570	0.000	92	16756	5.00	4.02	
54 1,1-Dichloropropene	75	9.643	9.649	-0.006	84	12438	5.00	4.17	
53 Carbon tetrachloride	117	9.661	9.661	0.000	95	14422	5.00	5.30	M
55 Isobutyl alcohol	41	9.697	9.698	-0.001	23	6302	125.0	87.1	
56 Benzene	78	9.874	9.880	-0.006	96	44151	5.00	4.77	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	98	17919	5.00	5.23	
59 n-Heptane	43	10.111	10.117	-0.006	68	9622	5.00	3.91	
61 Trichloroethene	130	10.537	10.543	-0.006	94	11858	5.00	5.37	
63 Methylcyclohexane	83	10.792	10.793	-0.001	83	13582	5.00	5.28	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	73	12607	5.00	5.13	
65 1,4-Dioxane	88	10.865	10.859	0.006	44	1282	100.0	122.4	
67 Dibromomethane	93	10.920	10.908	0.012	92	6515	5.00	5.55	
68 Dichlorobromomethane	83	11.054	11.060	-0.006	94	12293	5.00	4.79	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	90	11209	5.00	4.45	
72 4-Methyl-2-pentanone (MIBK)	43	11.608	11.602	0.006	94	11808	25.0	24.8	
73 Toluene	91	11.839	11.839	0.000	97	35382	5.00	4.03	
75 Ethyl methacrylate	69	12.039	12.034	0.005	60	5124	5.00	5.58	M
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	92	9921	5.00	4.27	
76 1,1,2-Trichloroethane	97	12.252	12.247	0.006	93	9031	5.00	5.32	
77 Tetrachloroethene	164	12.362	12.368	-0.006	92	8280	5.00	4.95	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	13613	5.00	4.36	
79 2-Hexanone	43	12.417	12.417	0.000	51	7721	25.0	25.0	M
81 Chlorodibromomethane	129	12.660	12.654	0.006	82	7582	5.00	5.25	
82 Ethylene Dibromide	107	12.806	12.800	0.006	42	8467	5.00	5.48	
84 Chlorobenzene	112	13.280	13.275	0.005	92	24074	5.00	4.58	
87 Ethylbenzene	106	13.341	13.342	-0.001	97	9877	5.00	5.35	M
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	50	8640	5.00	5.07	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	97	11890	5.00	5.89	M
89 o-Xylene	106	13.858	13.865	-0.007	95	10516	5.00	7.04	
90 Styrene	104	13.883	13.877	0.006	82	13582	5.00	6.60	
91 Bromoform	173	14.096	14.102	-0.006	37	3513	5.00	5.31	M
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	24744	5.00	5.13	
96 1,1,2,2-Tetrachloroethane	83	14.522	14.516	0.006	92	8747	5.00	4.78	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.546	-0.012	1	1691	5.00	5.45	M
98 1,2,3-Trichloropropane	110	14.588	14.595	-0.007	64	3283	5.00	5.60	
95 Bromobenzene	156	14.607	14.601	0.006	89	7521	5.00	4.58	M
99 N-Propylbenzene	120	14.631	14.637	-0.006	97	4800	5.00	5.02	M
100 2-Chlorotoluene	126	14.777	14.771	0.006	94	6566	5.00	4.09	M
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	15922	5.00	5.12	M
103 4-Chlorotoluene	126	14.874	14.887	-0.013	96	6354	5.00	3.86	M
104 tert-Butylbenzene	119	15.142	15.148	-0.006	94	14657	5.00	5.03	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	96	15223	5.00	5.15	
108 sec-Butylbenzene	105	15.379	15.379	0.000	93	18392	5.00	5.04	
110 4-Isopropyltoluene	119	15.525	15.526	-0.001	97	14002	5.00	6.44	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	95	14897	5.00	4.98	
111 1,4-Dichlorobenzene	146	15.671	15.659	0.012	72	15882	5.00	5.23	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	11580	5.00	5.39	
117 1,2-Dichlorobenzene	146	16.042	16.037	0.006	93	11370	5.00	4.34	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	1	778	5.00	4.72	
122 1,2,4-Trichlorobenzene	180	17.588	17.582	0.006	16	3493	5.00	5.24	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	83	2681	5.00	5.03	
124 Naphthalene	128	17.886	17.880	0.006	1	2810	5.00	2.96	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	1	1353	5.00	3.88	
S 130 1,2-Dichloroethene, Total	96				0		10.0	12.0	
S 131 Xylenes, Total	106				0		10.0	12.9	
S 154 Total BTEX	1				0		25.0	27.1	
S 132 1,3-Dichloropropene, Total	1				0		10.0	8.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VOA8260VOAPRi_00429	Amount Added:	0.20	Units: uL
VOAKETPRI_00005	Amount Added:	0.80	Units: uL
VOA8260SURR_00112	Amount Added:	0.20	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

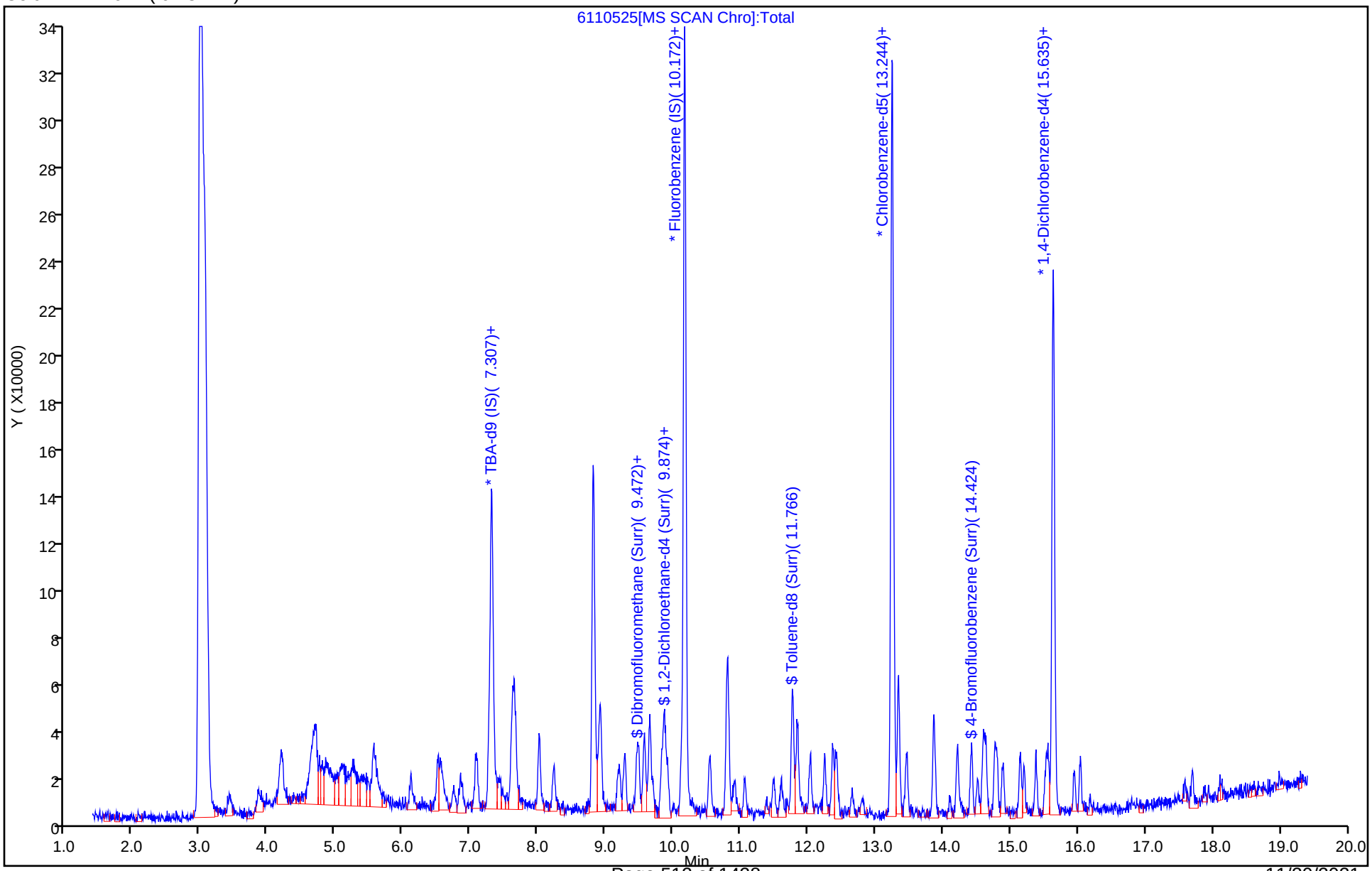
Report Date: 08-Nov-2020 13:31:56 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

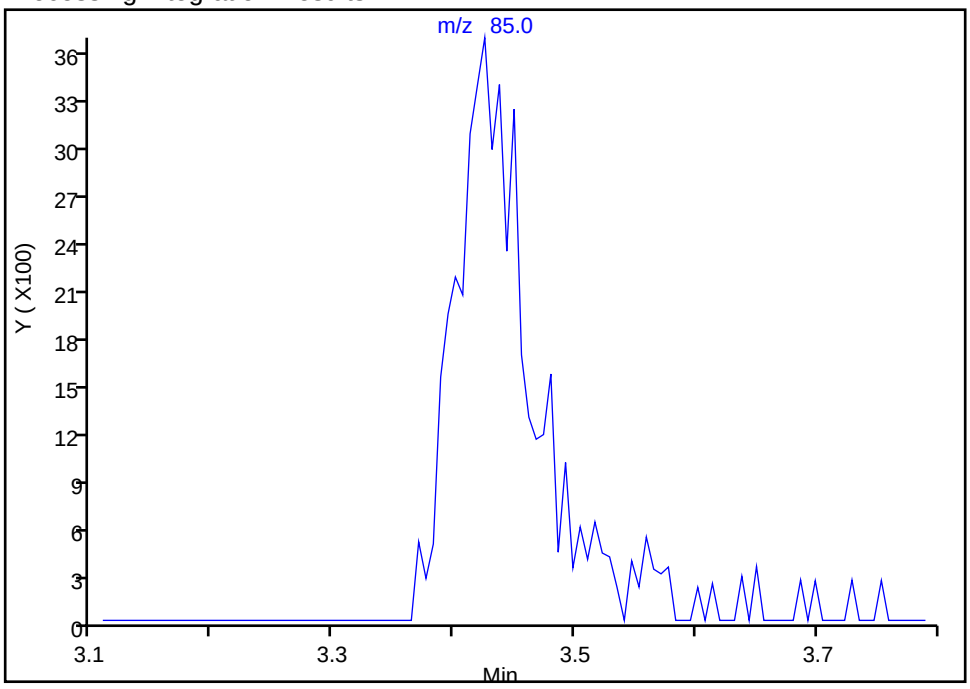
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

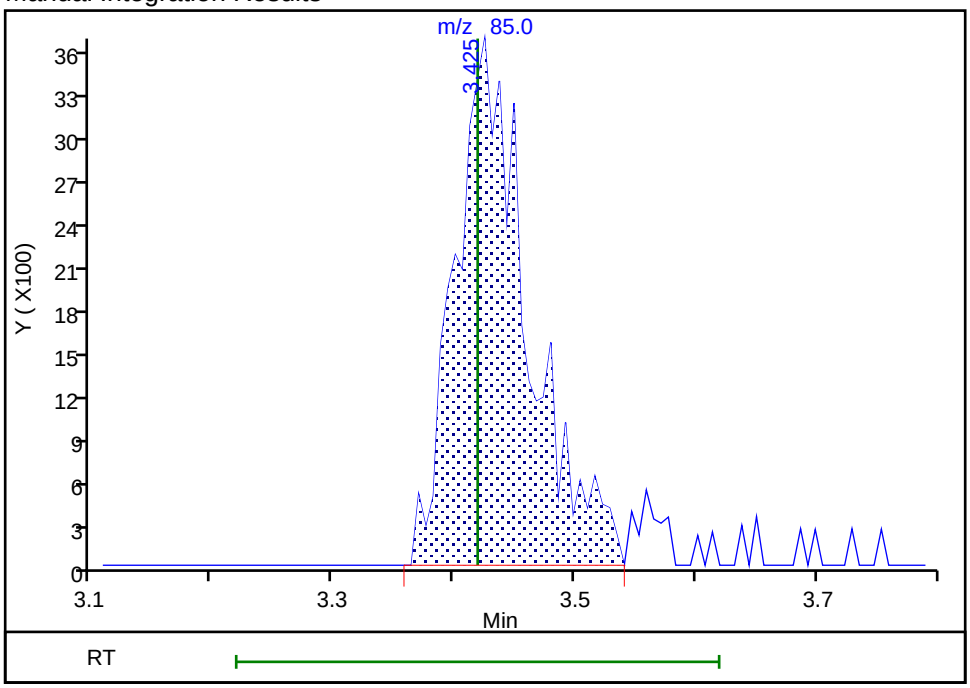
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 15100
Amount: 5.460628
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

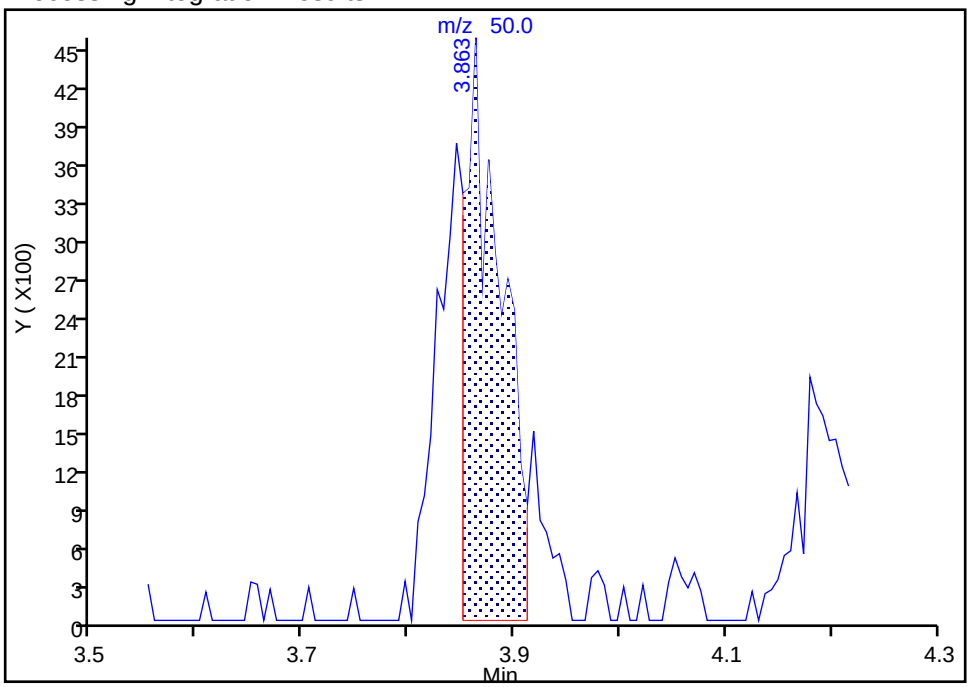
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

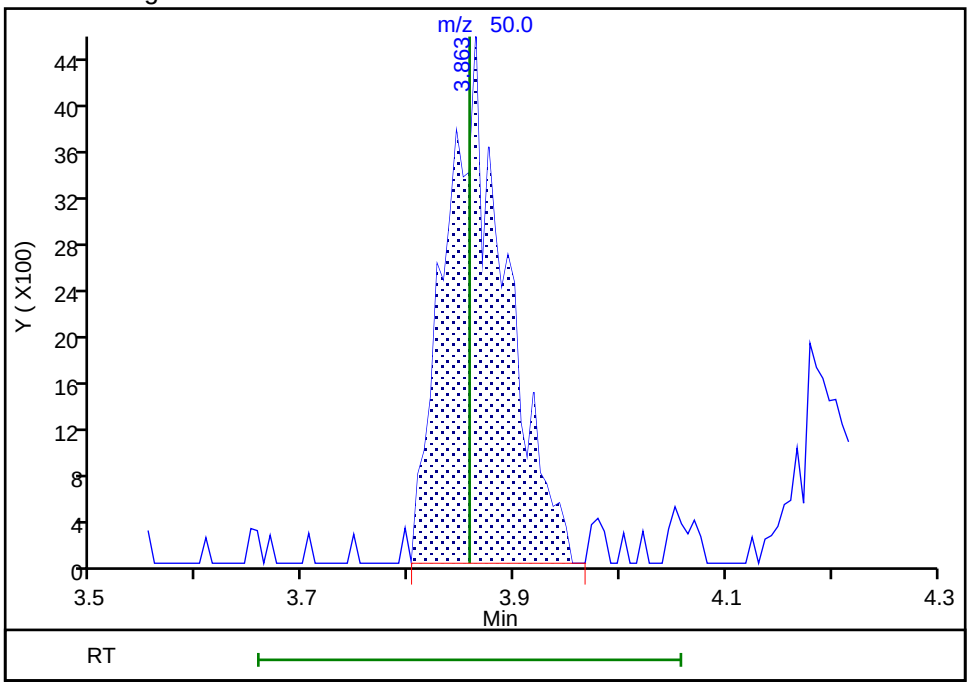
Processing Integration Results

RT: 3.86
Area: 10957
Amount: 0.389563
Amount Units: ng



Manual Integration Results

RT: 3.86
Area: 18021
Amount: 5.527195
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

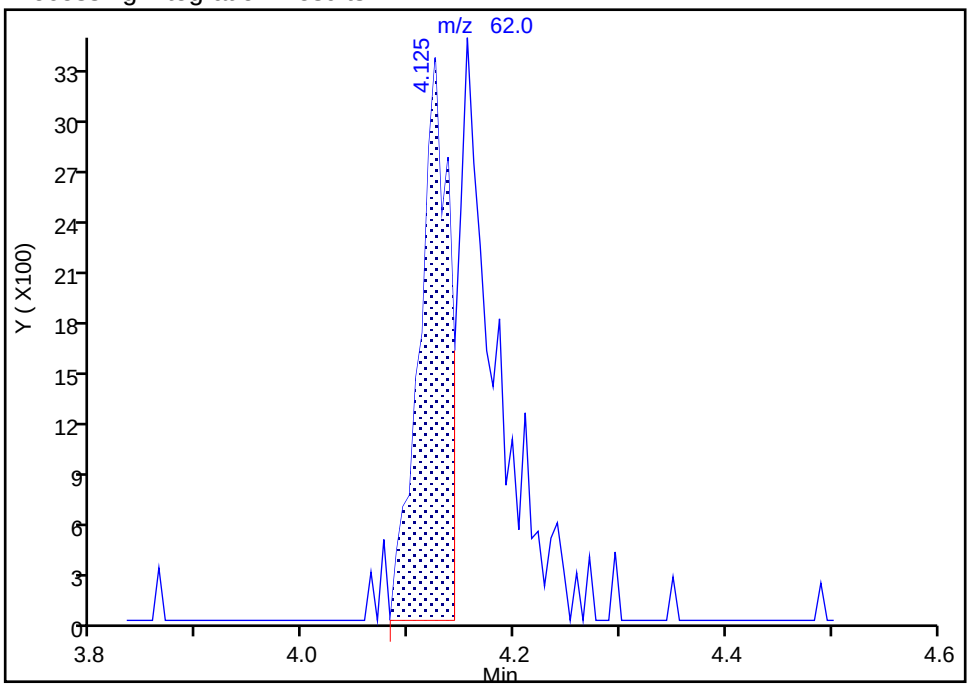
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

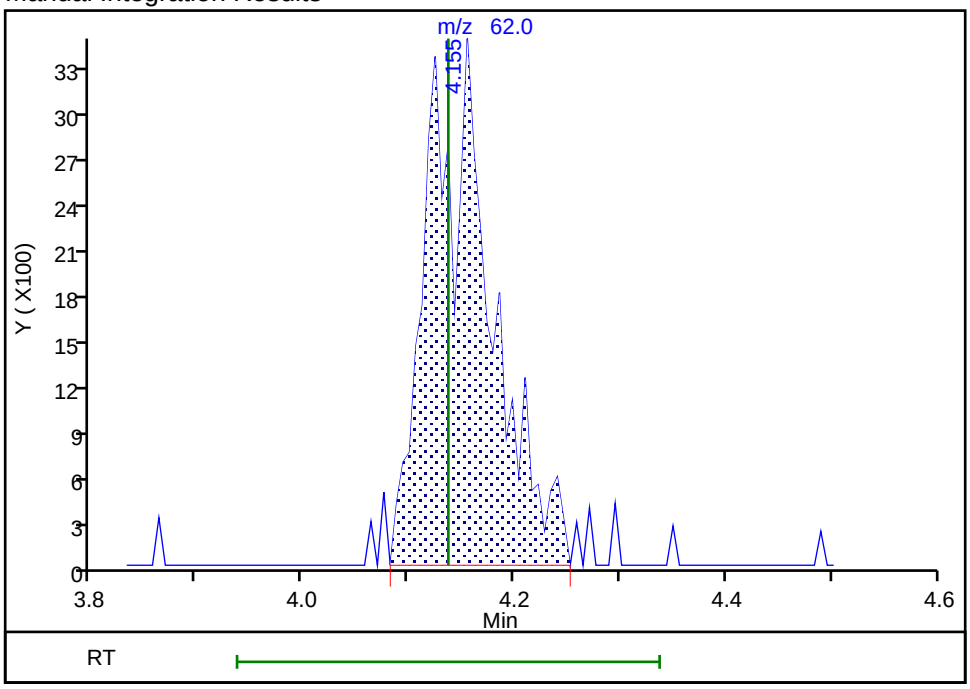
Processing Integration Results

RT: 4.12
Area: 6446
Amount: 0.272857
Amount Units: ng



Manual Integration Results

RT: 4.16
Area: 14342
Amount: 5.274053
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:56

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

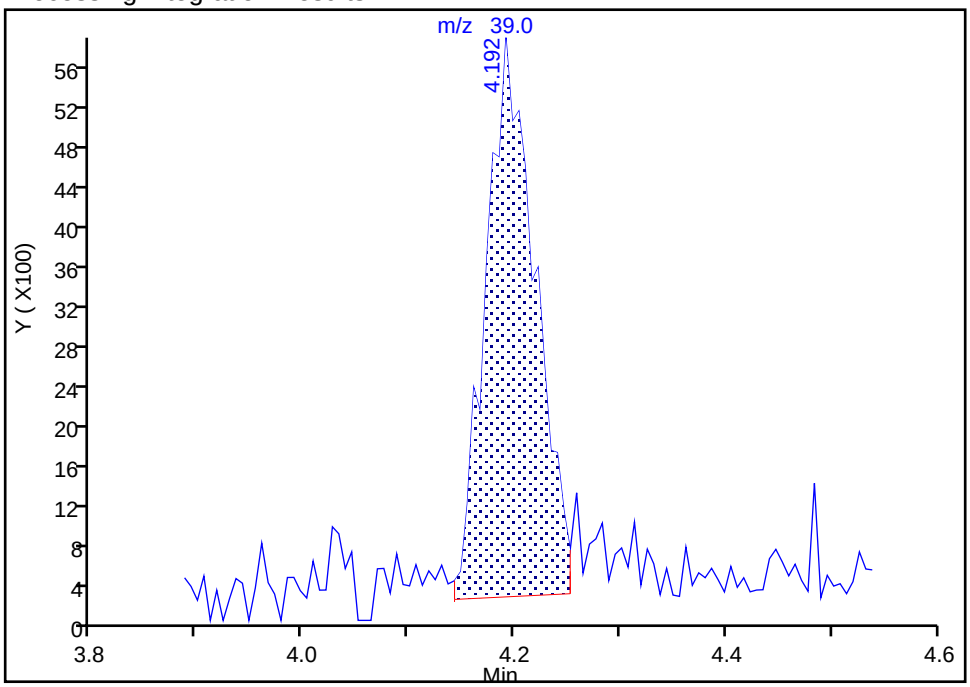
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

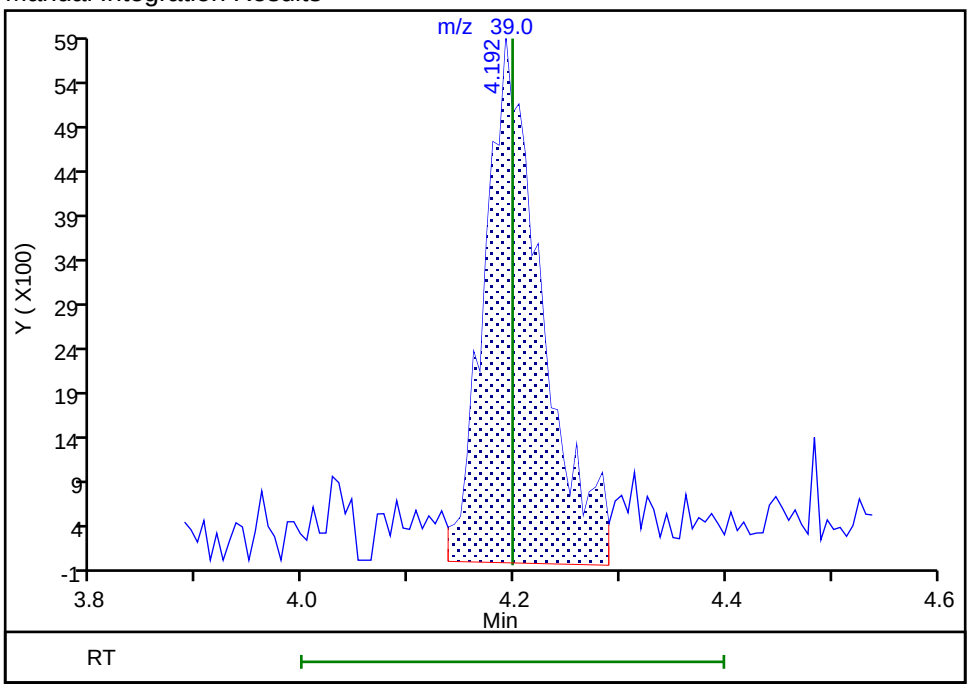
Processing Integration Results

RT: 4.19
Area: 18432
Amount: 0.677579
Amount Units: ng



Manual Integration Results

RT: 4.19
Area: 22306
Amount: 5.030336
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

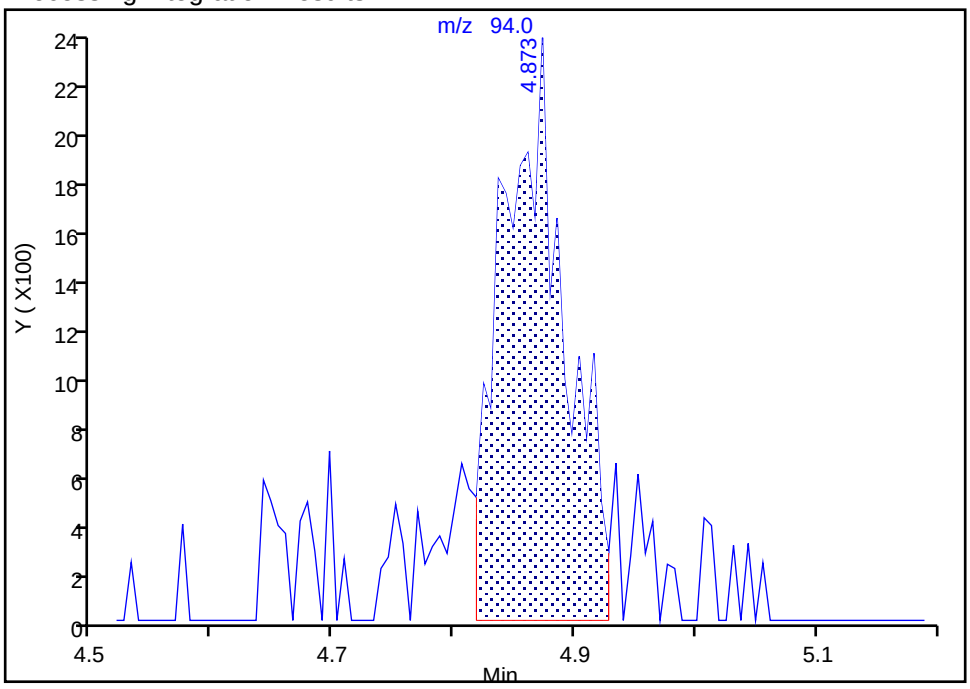
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

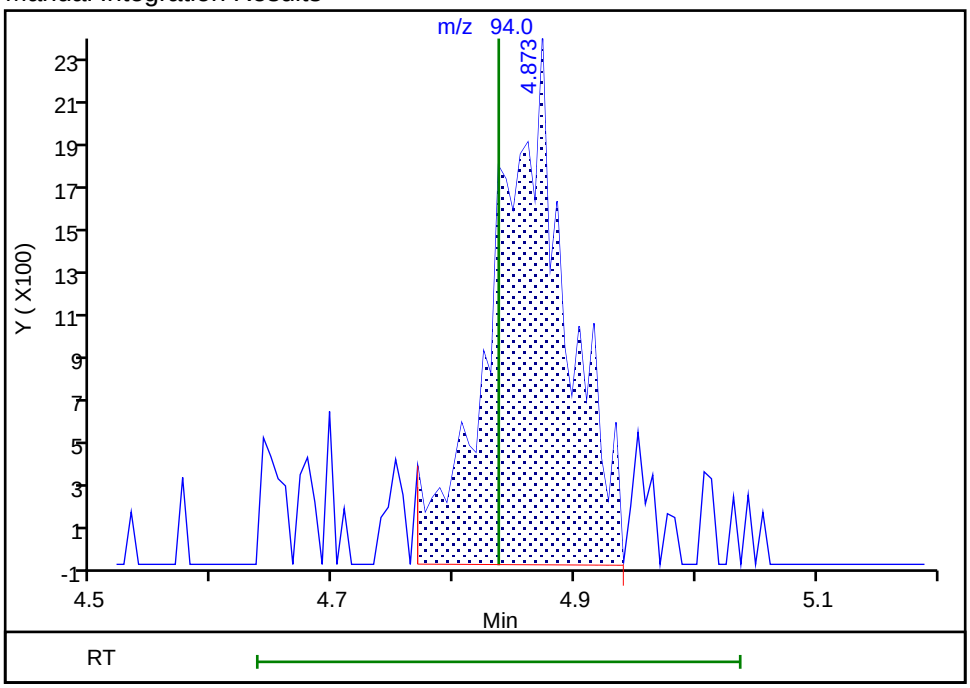
Processing Integration Results

RT: 4.87
Area: 8477
Amount: 3.597116
Amount Units: ng



Manual Integration Results

RT: 4.87
Area: 9885
Amount: 4.241947
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:18:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

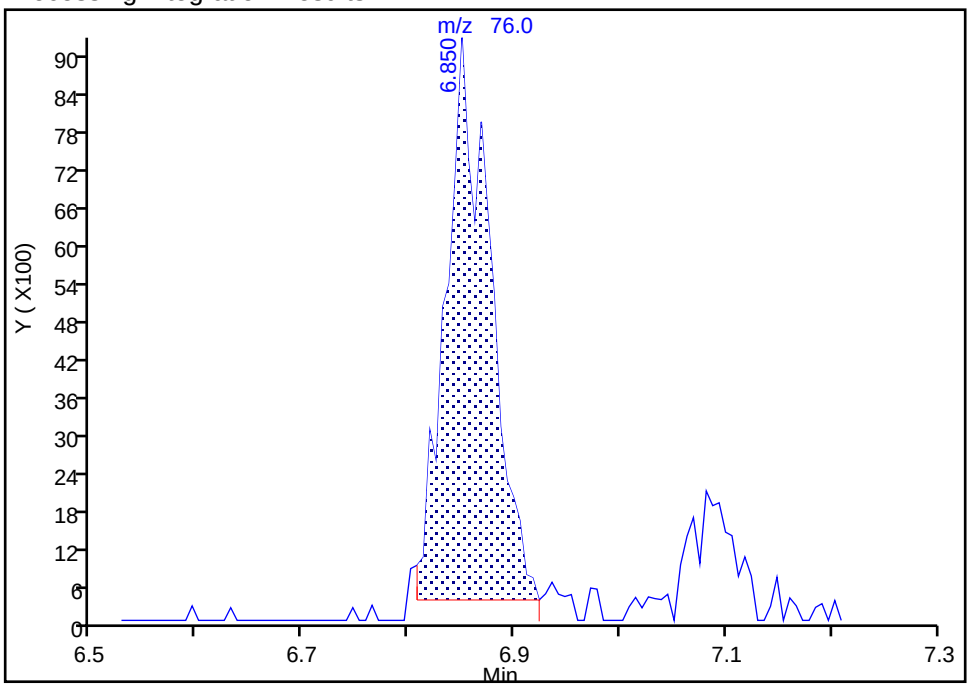
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

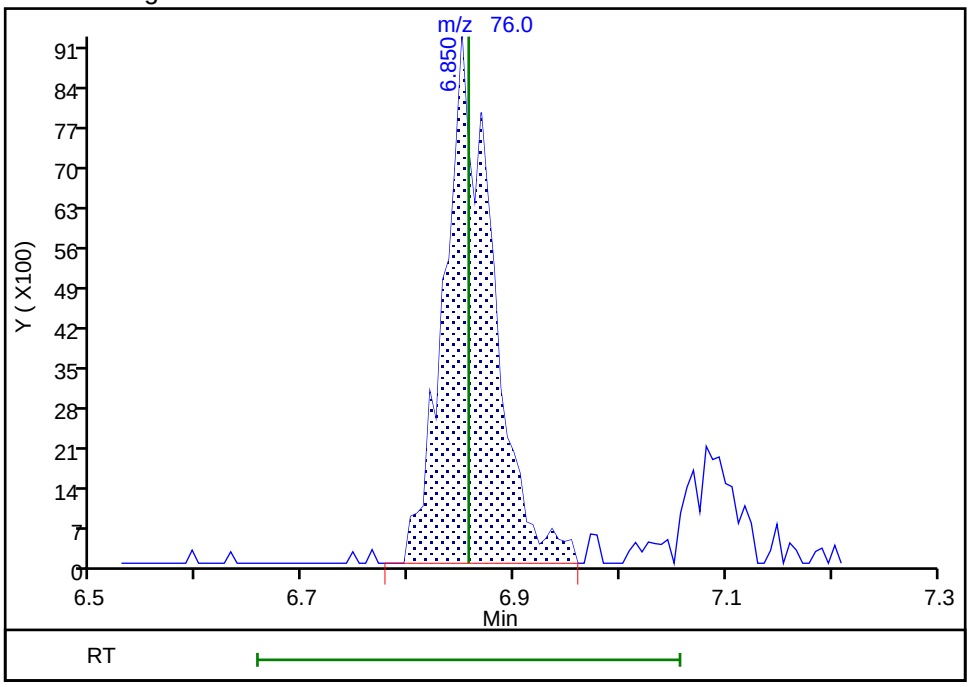
Processing Integration Results

RT: 6.85
Area: 26084
Amount: 0.564958
Amount Units: ng



Manual Integration Results

RT: 6.85
Area: 29575
Amount: 5.528208
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

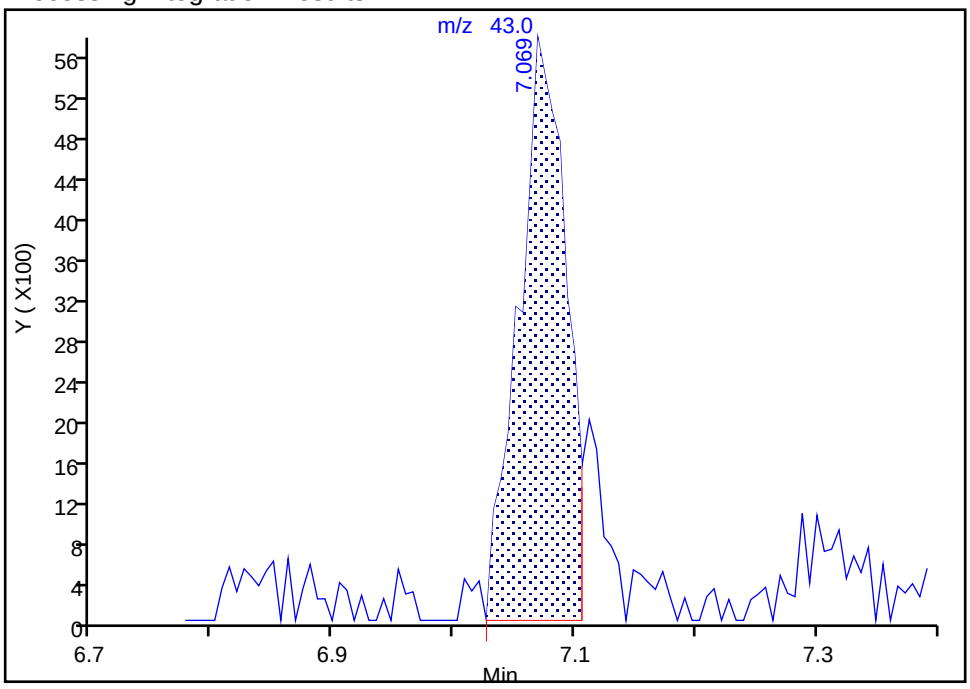
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

Signal: 1

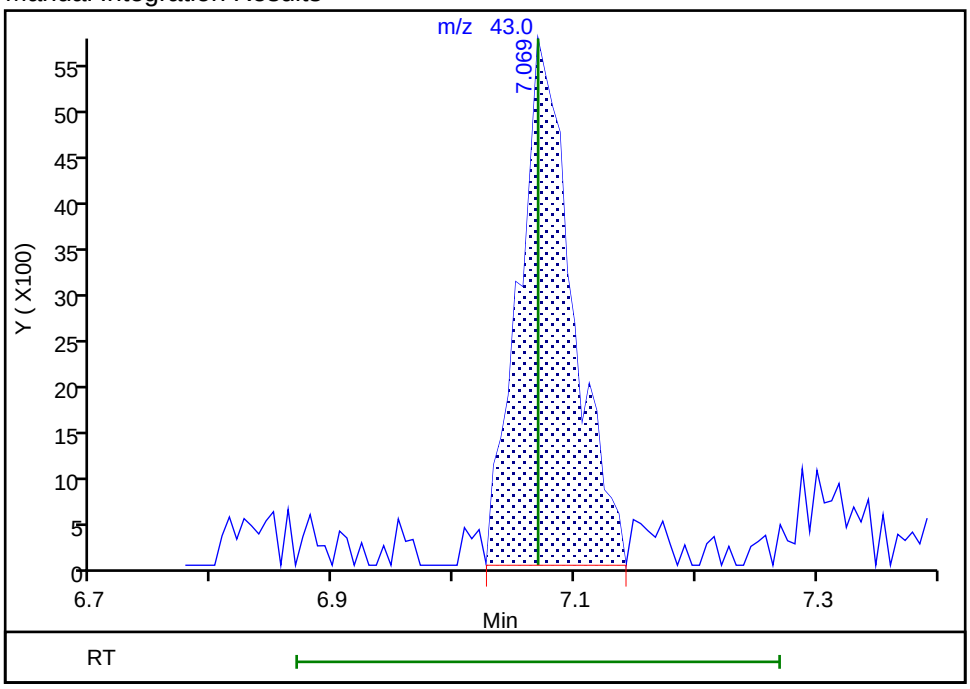
Processing Integration Results

RT: 7.07
Area: 15679
Amount: 1.008185
Amount Units: ng



Manual Integration Results

RT: 7.07
Area: 17788
Amount: 10.018241
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

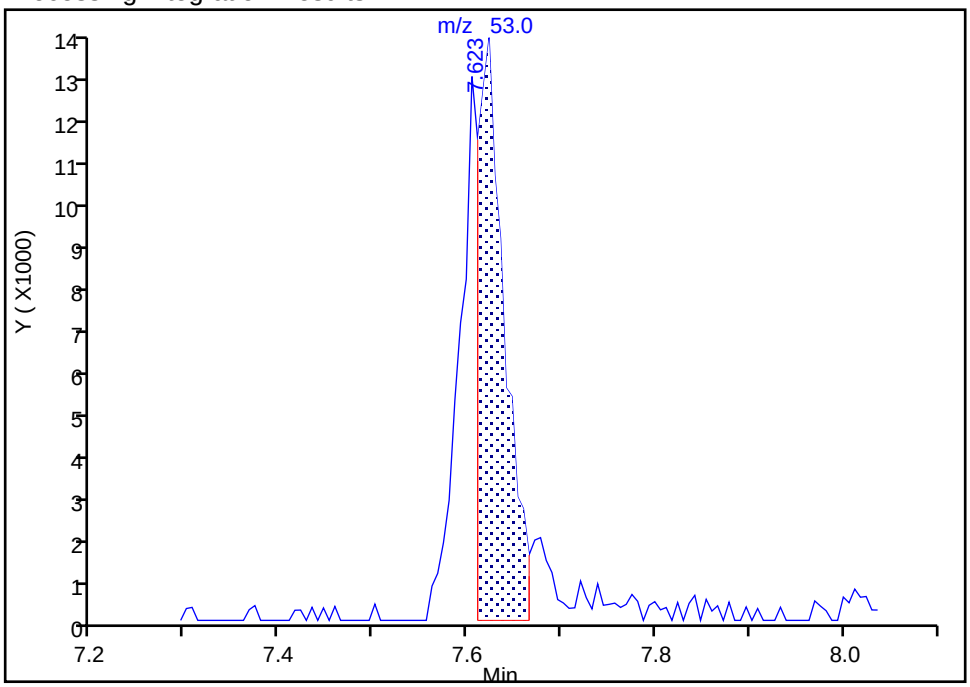
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

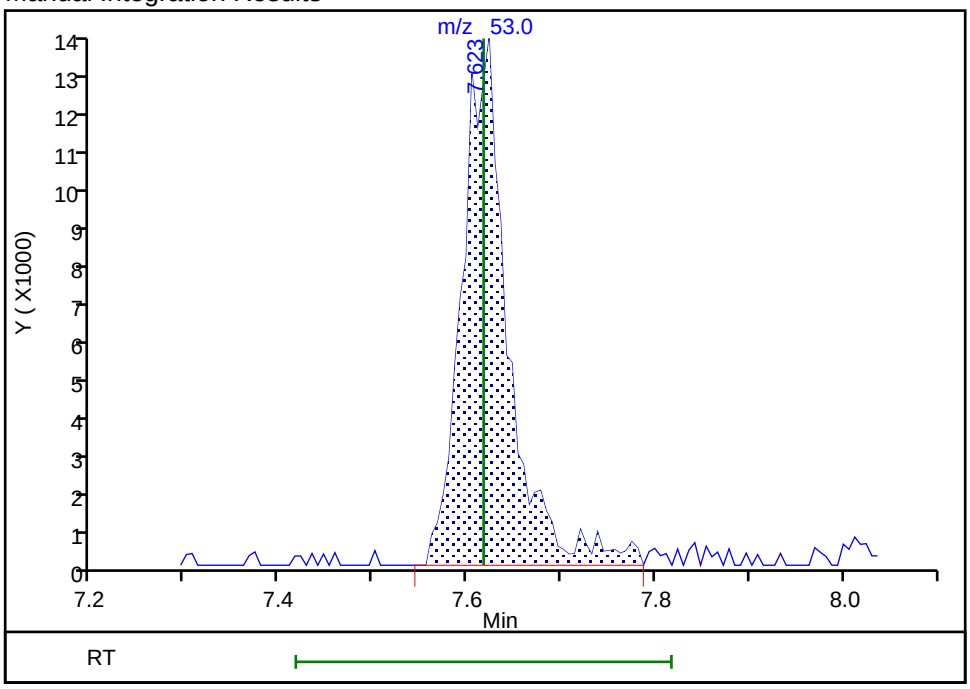
Processing Integration Results

RT: 7.62
Area: 27170
Amount: 3.243631
Amount Units: ng



Manual Integration Results

RT: 7.62
Area: 46376
Amount: 48.668164
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

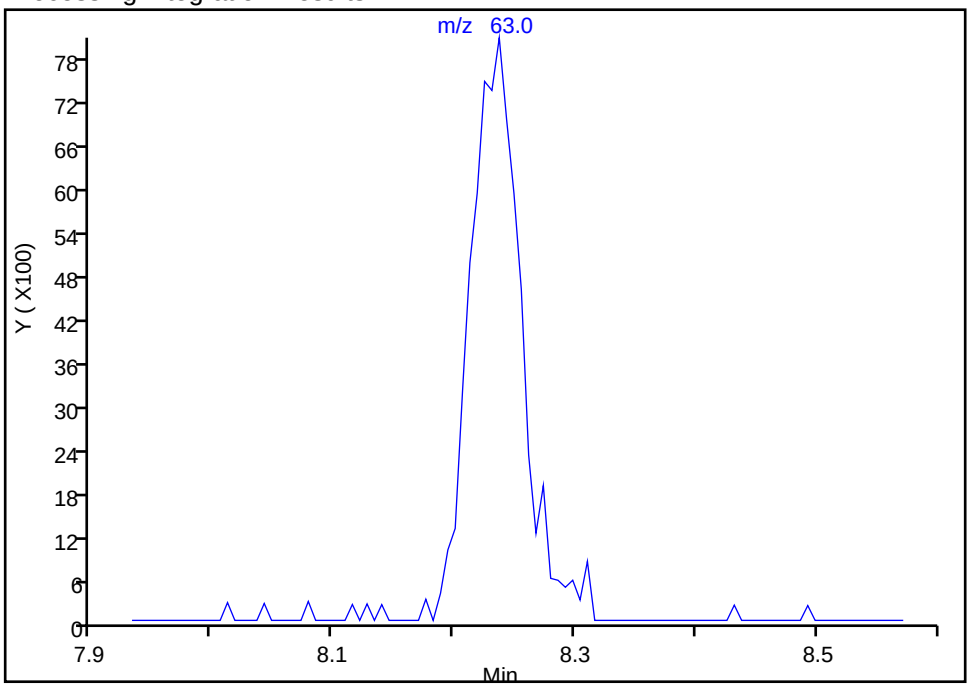
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

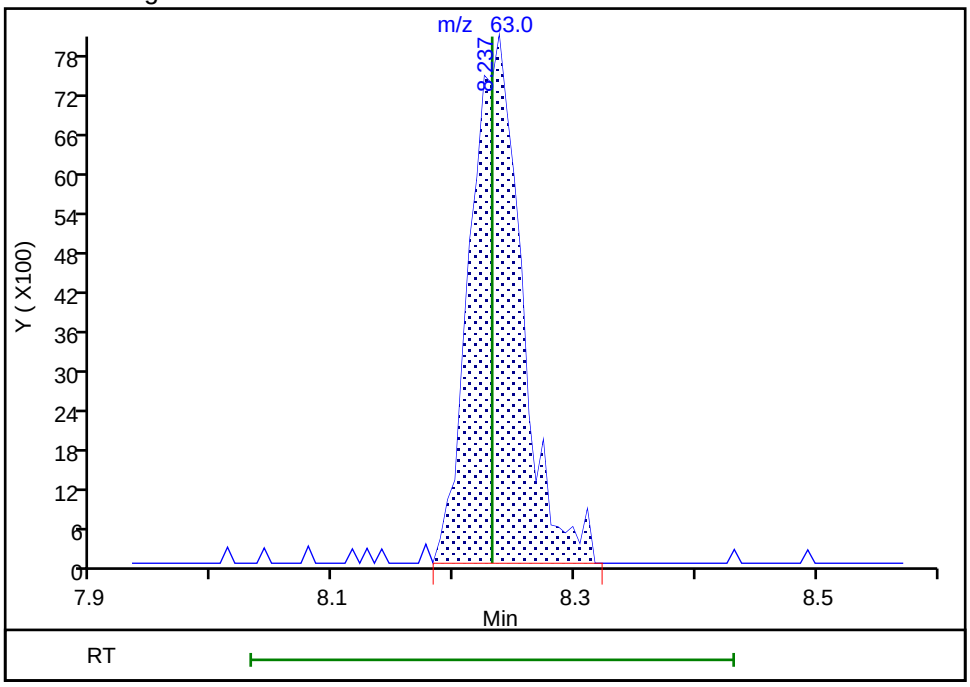
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 23812
Amount: 5.524621
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

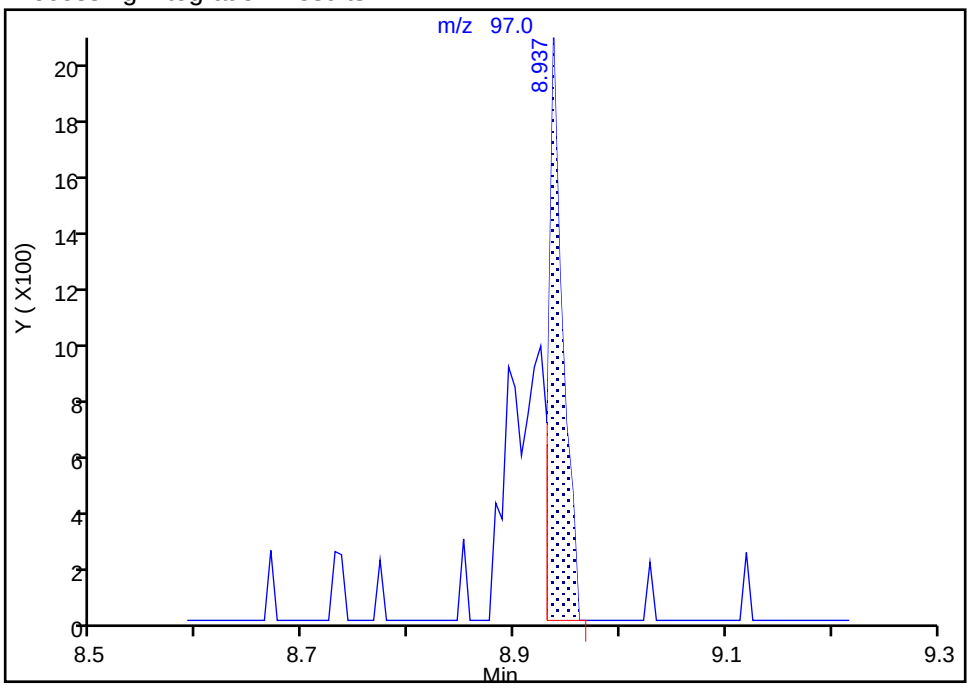
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

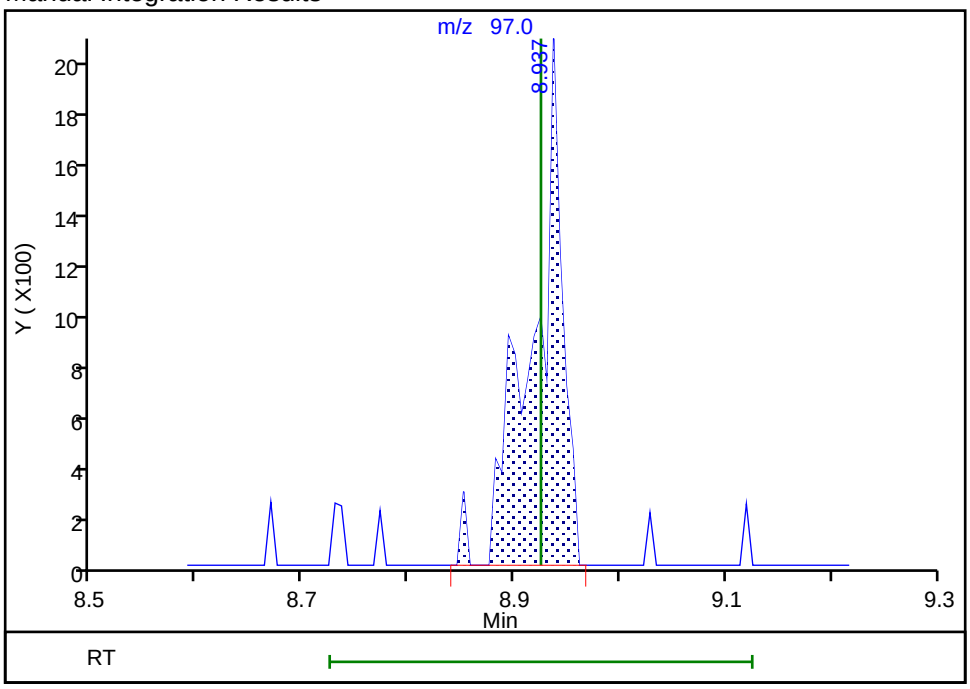
Processing Integration Results

RT: 8.94
Area: 1851
Amount: 0.393139
Amount Units: ng



Manual Integration Results

RT: 8.94
Area: 3995
Amount: 7.005843
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

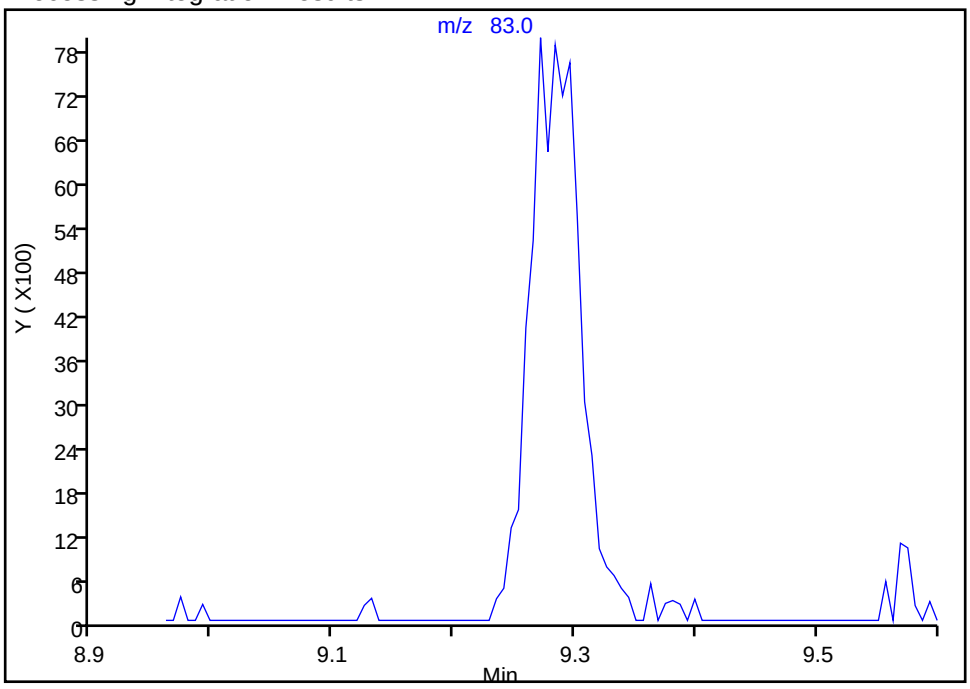
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

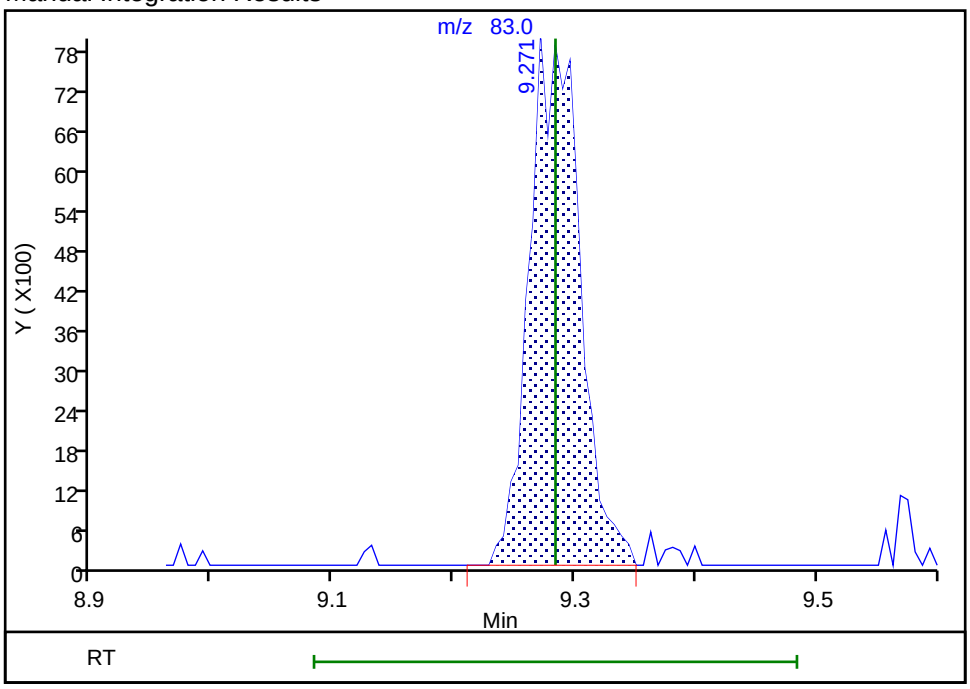
Not Detected
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.27
Area: 23020
Amount: 5.797946
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

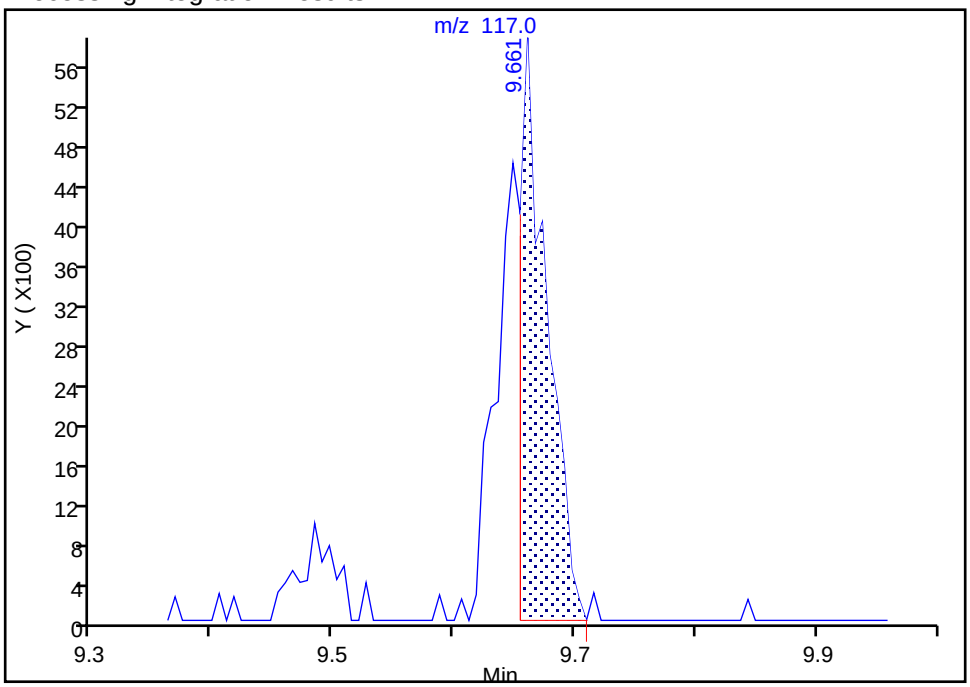
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

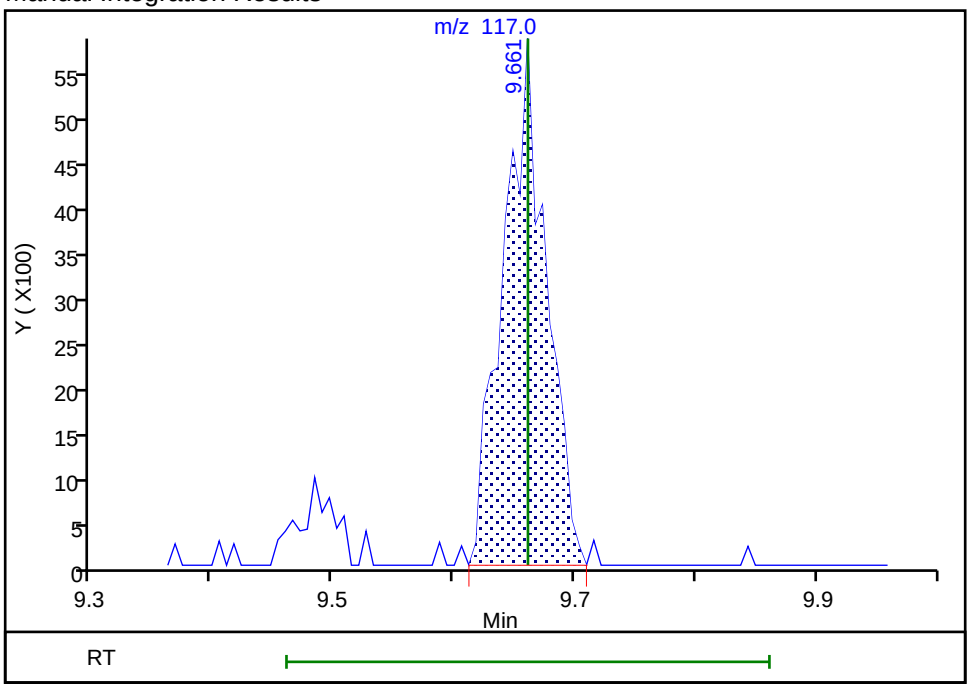
Processing Integration Results

RT: 9.66
Area: 9032
Amount: 0.381879
Amount Units: ng



Manual Integration Results

RT: 9.66
Area: 14422
Amount: 5.295505
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

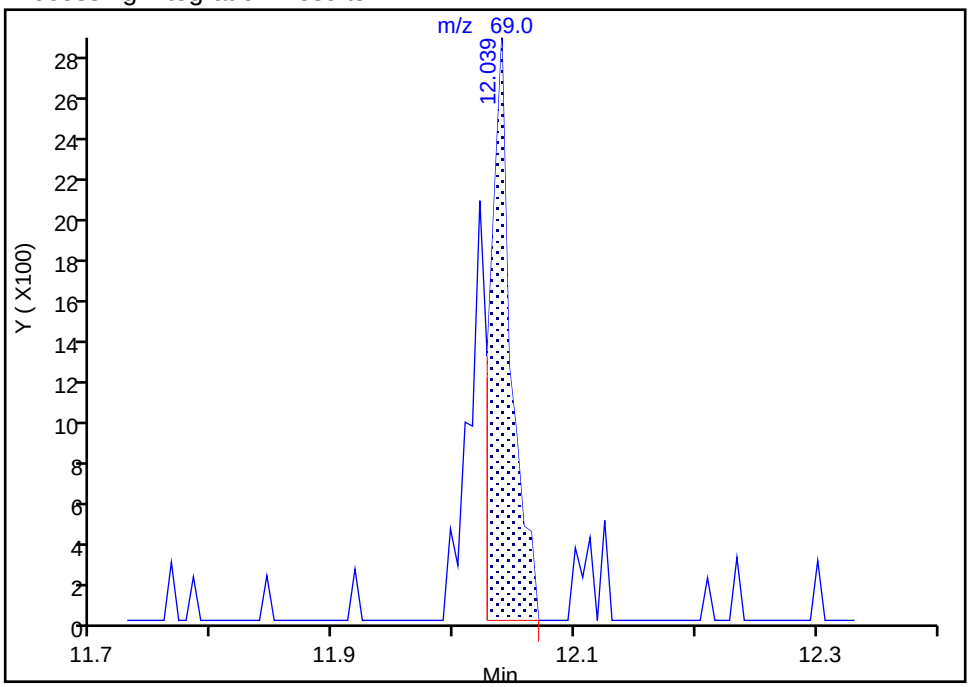
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

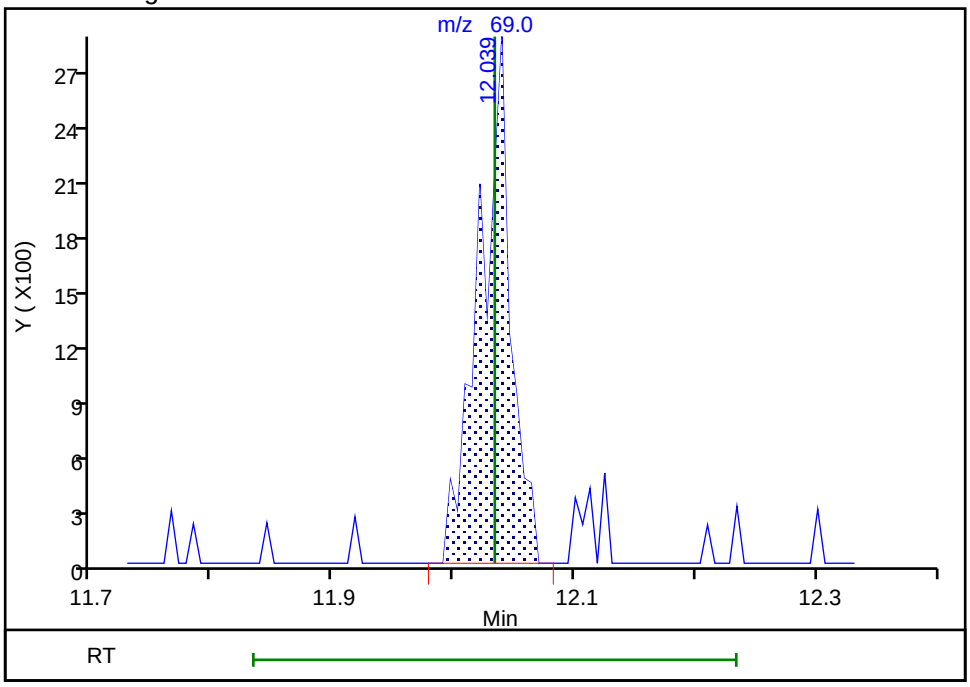
Processing Integration Results

RT: 12.04
Area: 3404
Amount: 18.470453
Amount Units: ng



Manual Integration Results

RT: 12.04
Area: 5124
Amount: 5.576244
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

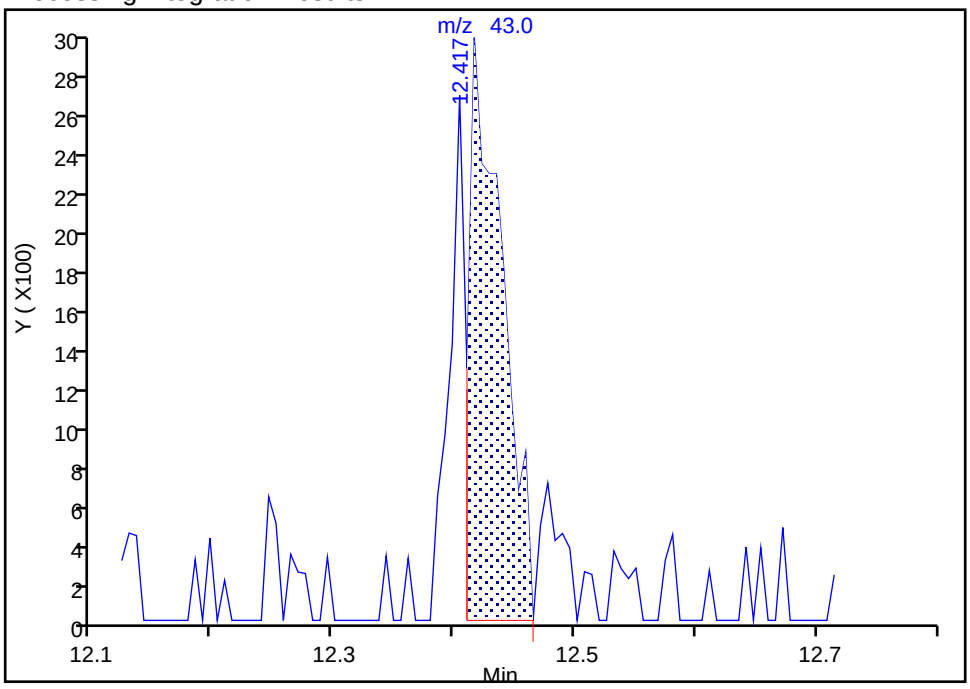
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

79 2-Hexanone, CAS: 591-78-6

Signal: 1

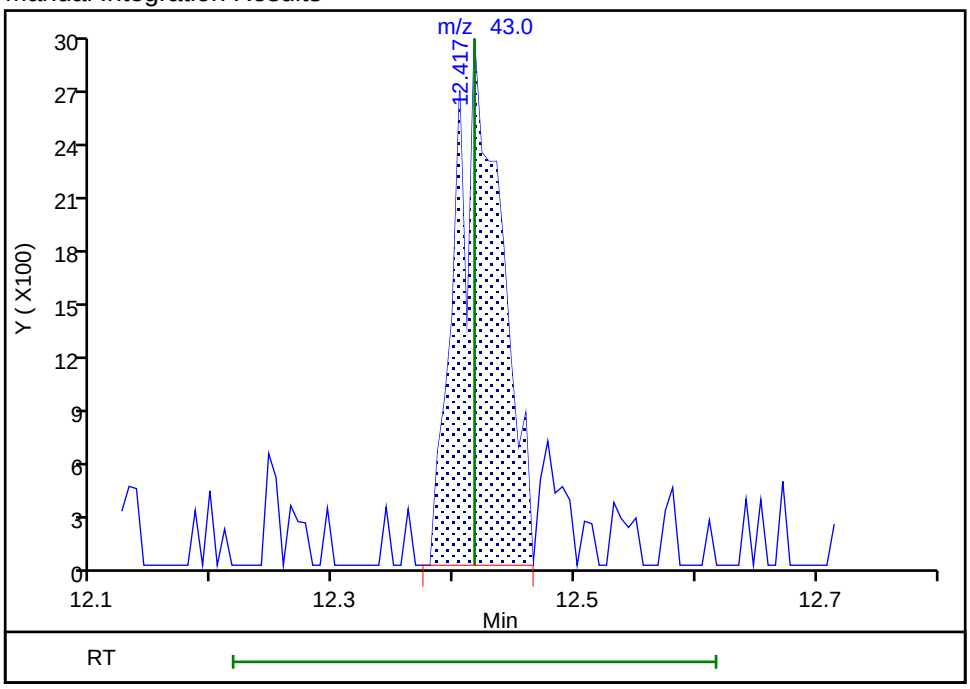
Processing Integration Results

RT: 12.42
Area: 5664
Amount: 34.637247
Amount Units: ng



Manual Integration Results

RT: 12.42
Area: 7721
Amount: 25.009587
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

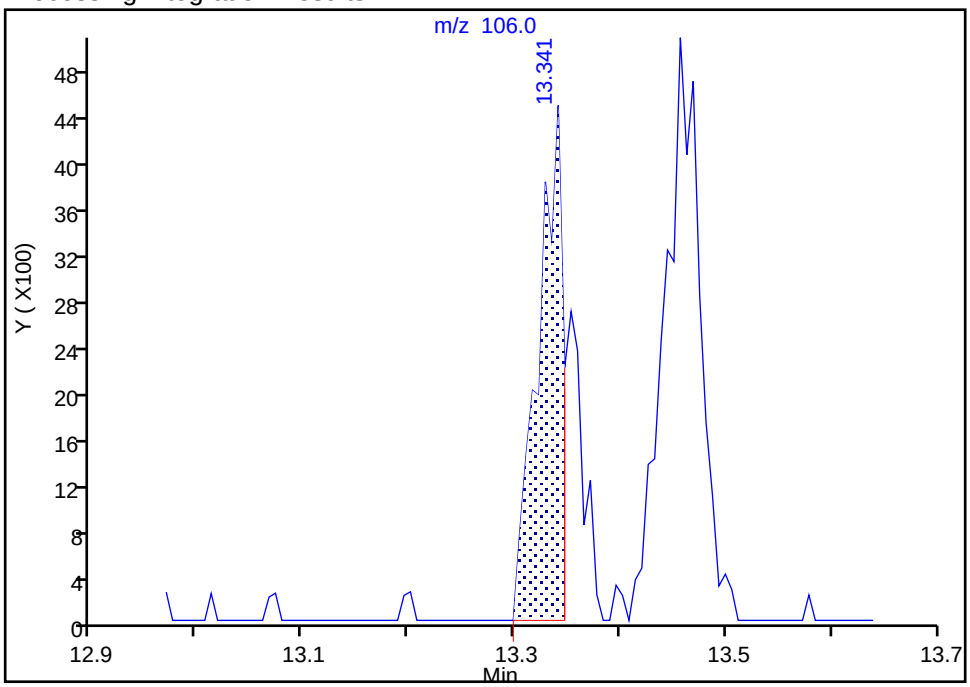
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

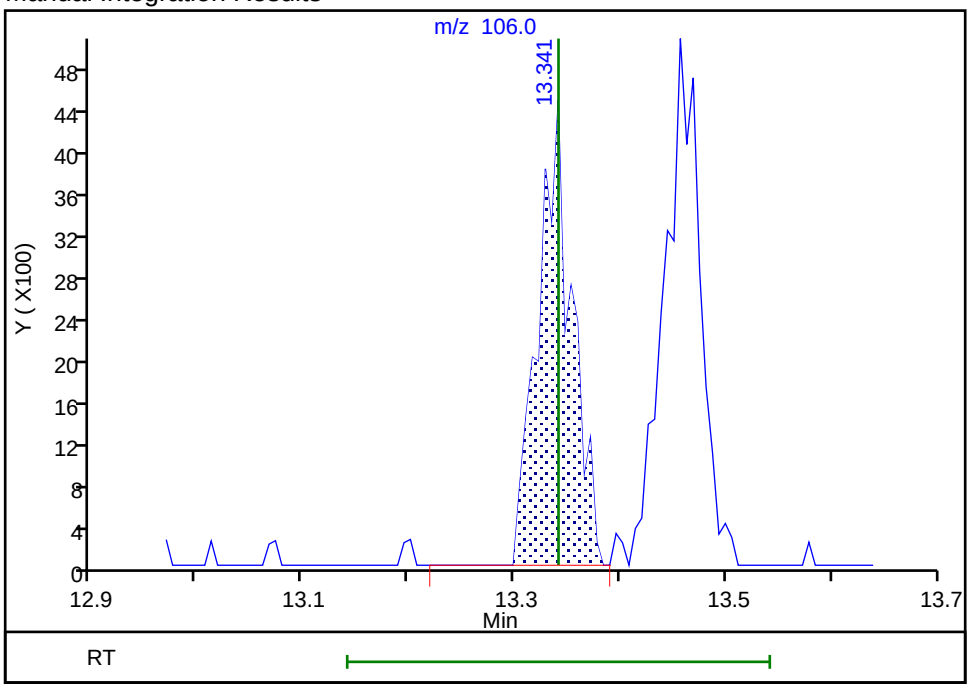
Processing Integration Results

RT: 13.34
Area: 7226
Amount: 13.122935
Amount Units: ng



Manual Integration Results

RT: 13.34
Area: 9877
Amount: 5.348616
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

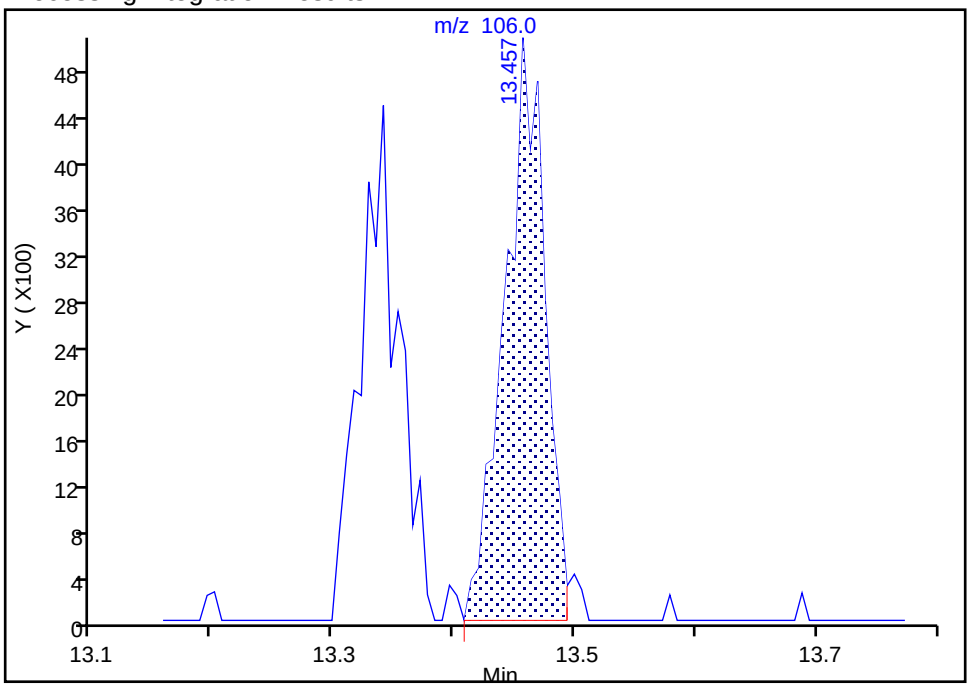
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

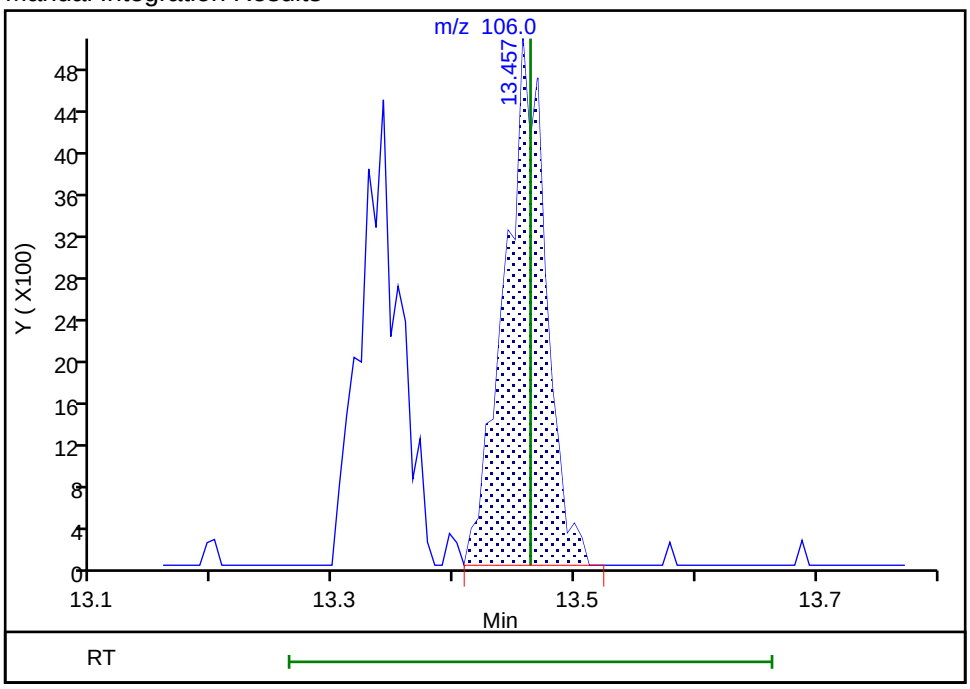
Processing Integration Results

RT: 13.46
Area: 11646
Amount: 16.362288
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 11890
Amount: 5.887911
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

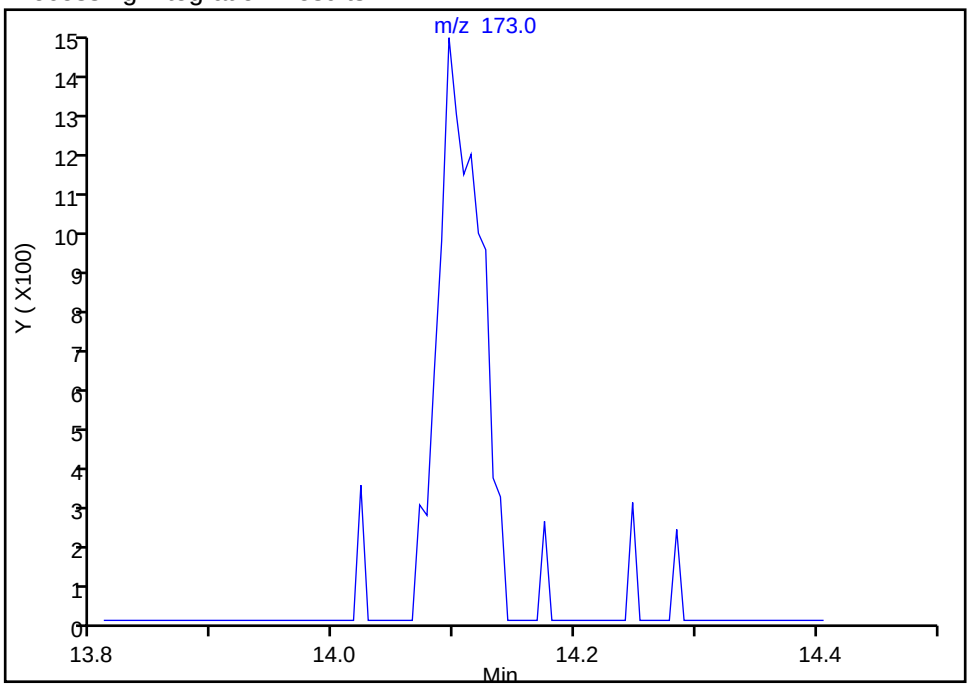
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Bromoform, CAS: 75-25-2

Signal: 1

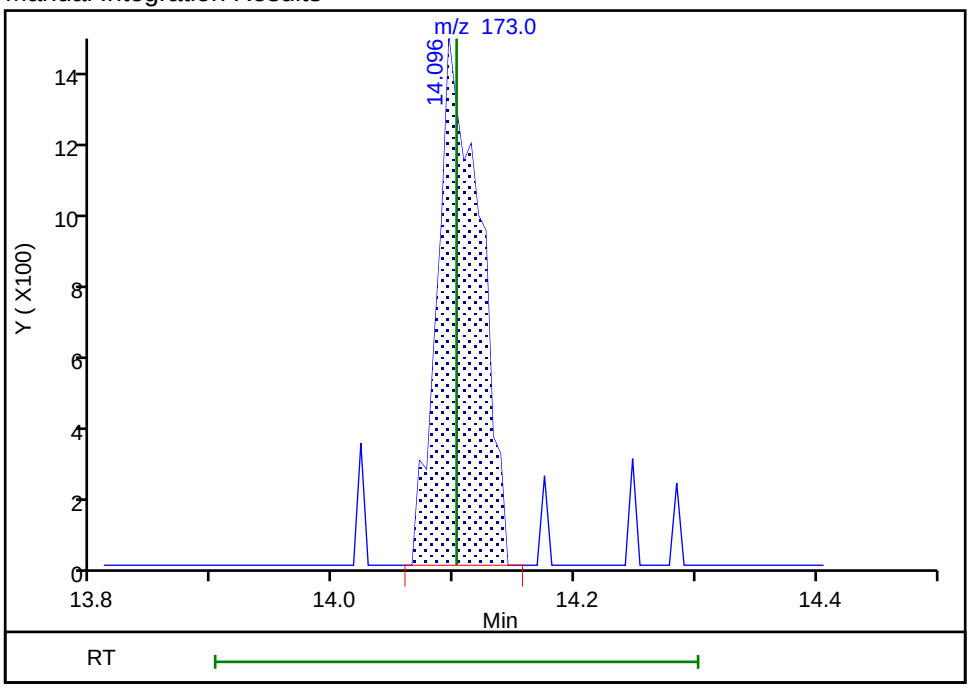
Not Detected
Expected RT: 14.10

Processing Integration Results



Manual Integration Results

RT: 14.10
Area: 3513
Amount: 5.305106
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

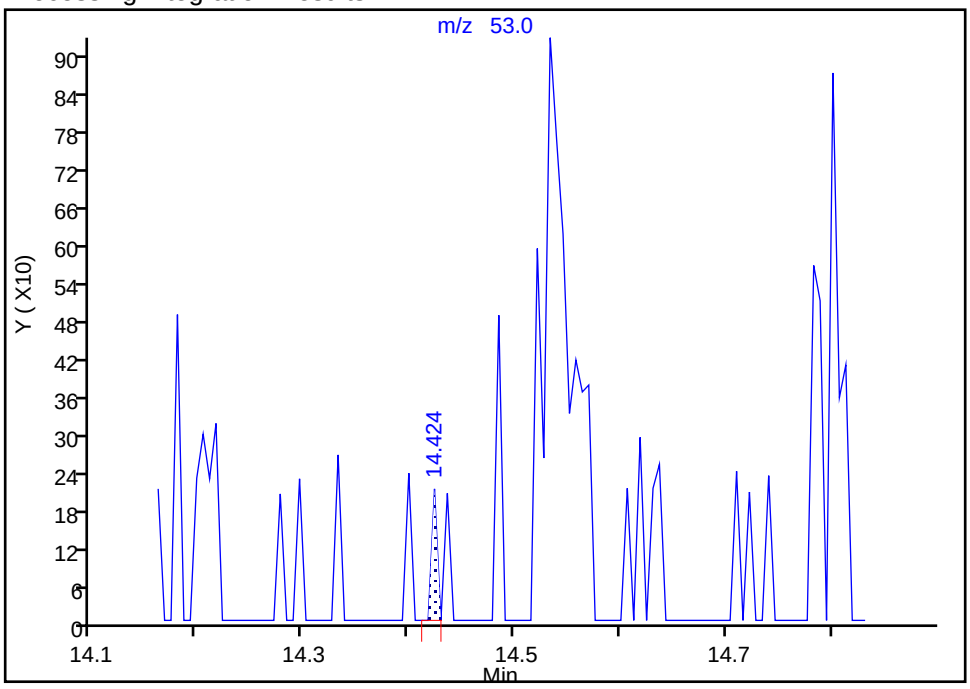
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

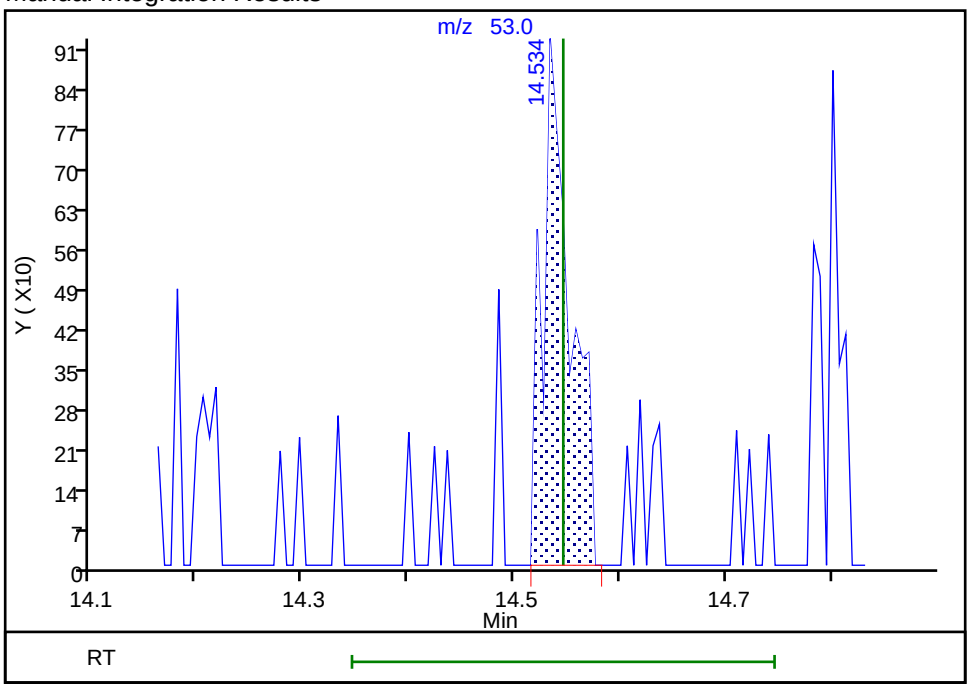
Processing Integration Results

RT: 14.42
Area: 76
Amount: 12.901340
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 1691
Amount: 5.447249
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:51

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

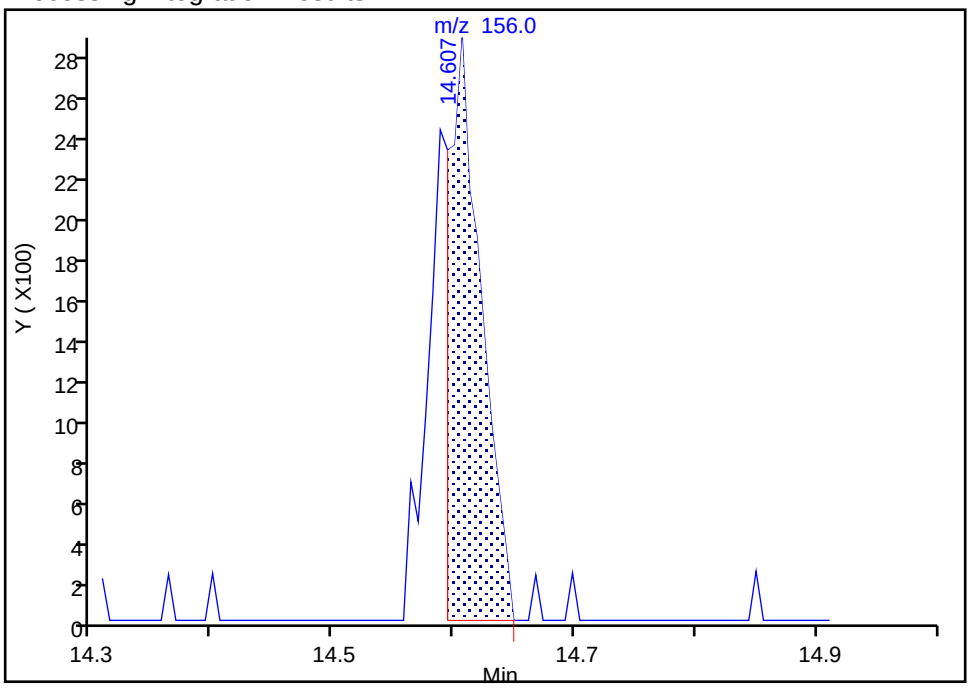
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 Bromobenzene, CAS: 108-86-1

Signal: 1

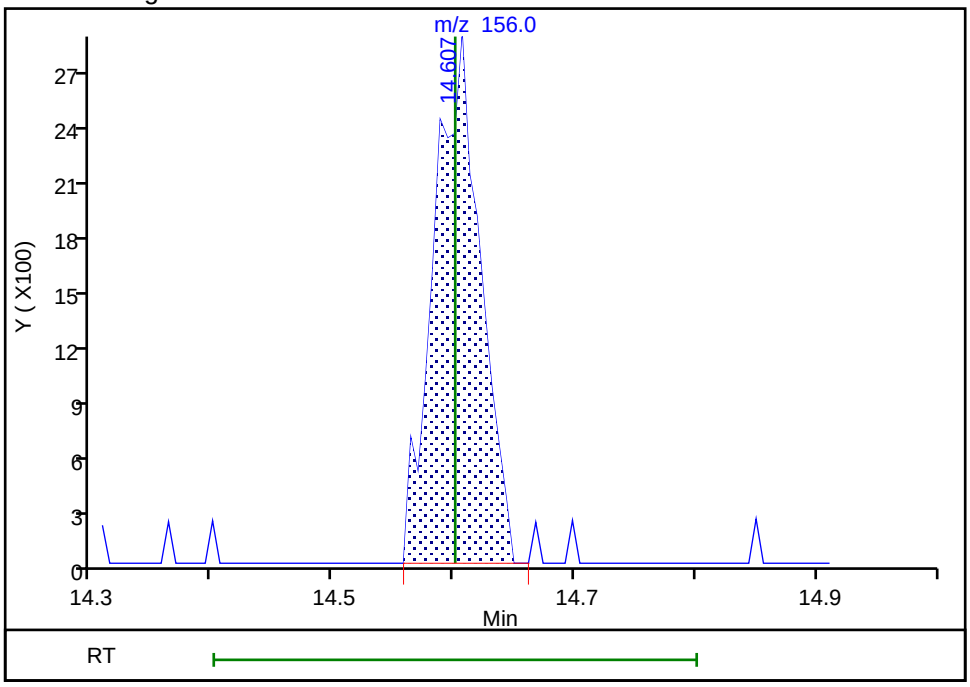
Processing Integration Results

RT: 14.61
Area: 5310
Amount: 0.364440
Amount Units: ng



Manual Integration Results

RT: 14.61
Area: 7521
Amount: 4.575572
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

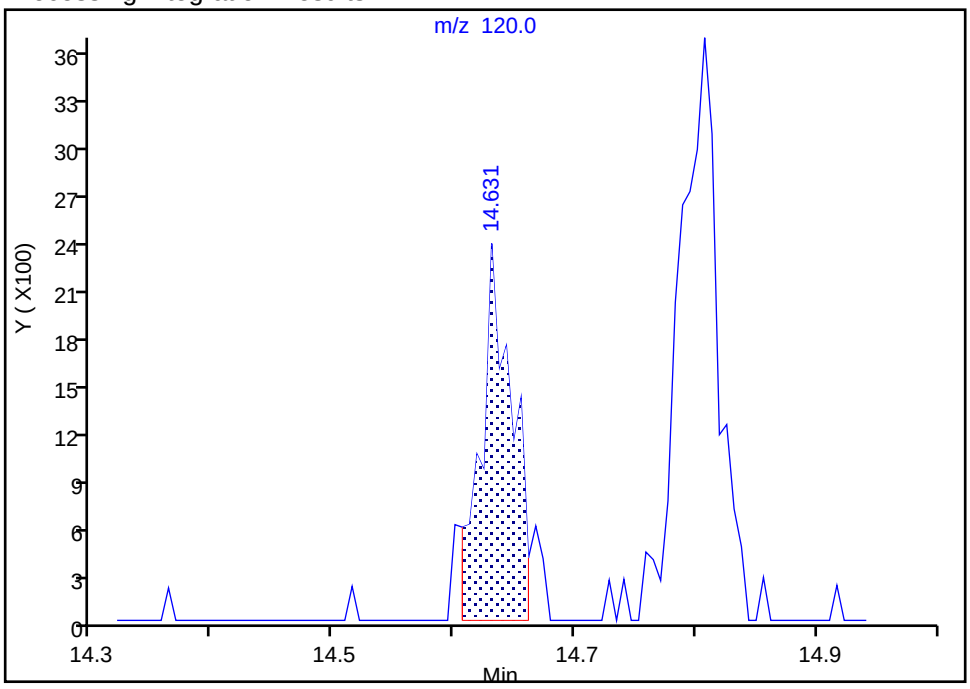
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

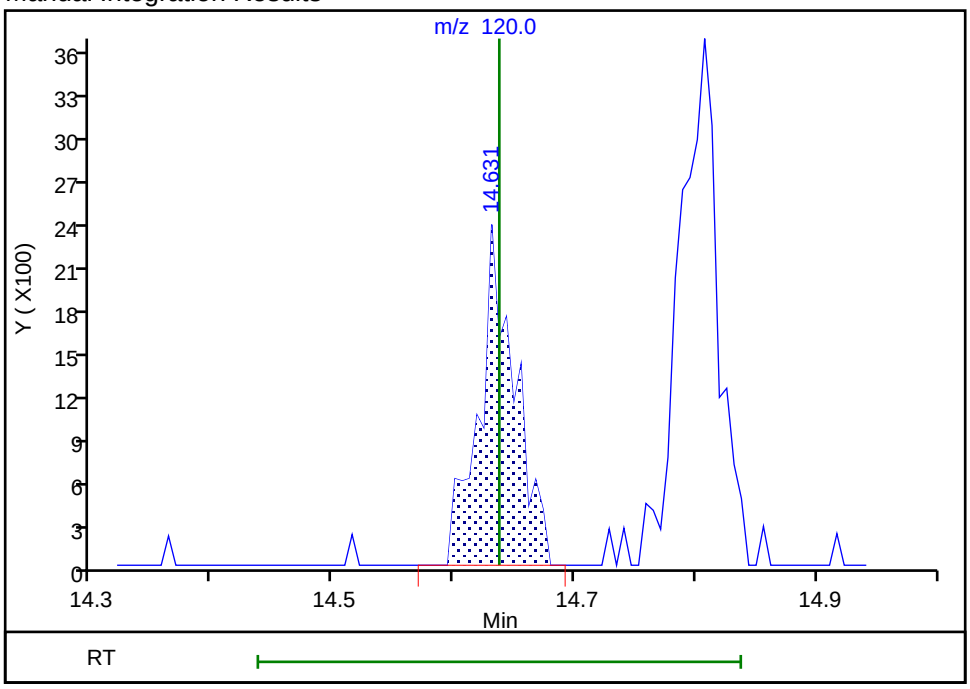
Processing Integration Results

RT: 14.63
Area: 4231
Amount: 3.443278
Amount Units: ng



Manual Integration Results

RT: 14.63
Area: 4800
Amount: 5.018340
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

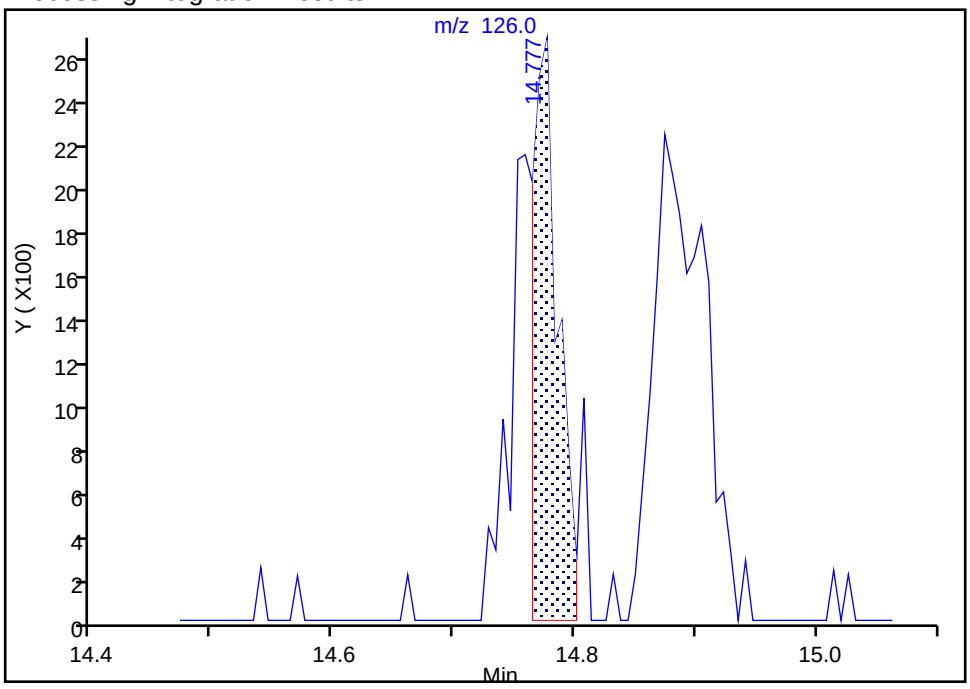
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

100 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

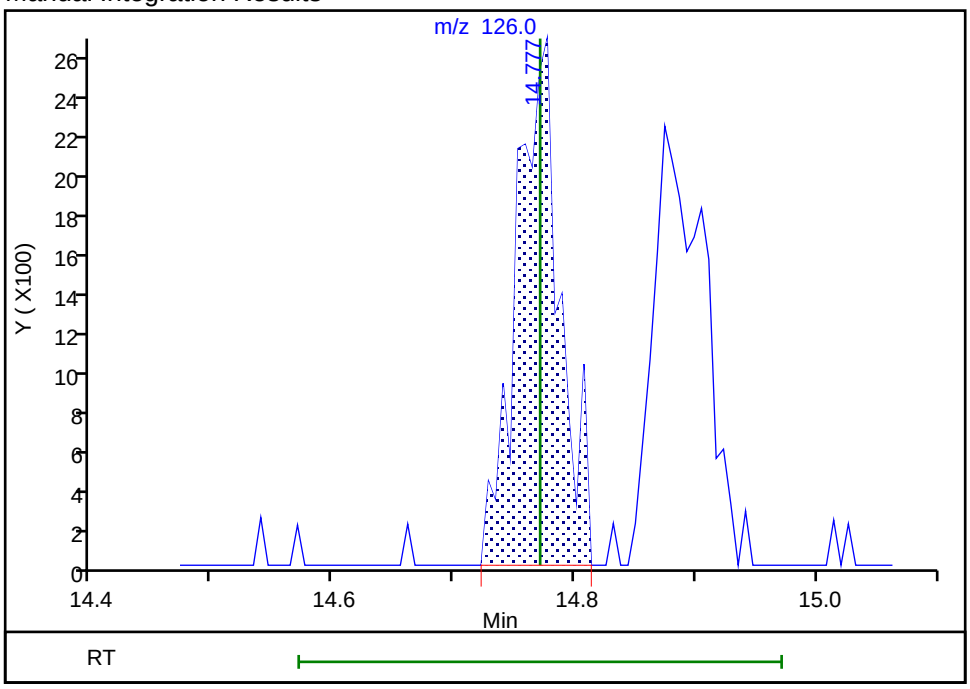
Processing Integration Results

RT: 14.78
Area: 3890
Amount: 0.269816
Amount Units: ng



Manual Integration Results

RT: 14.78
Area: 6566
Amount: 4.091213
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:04

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

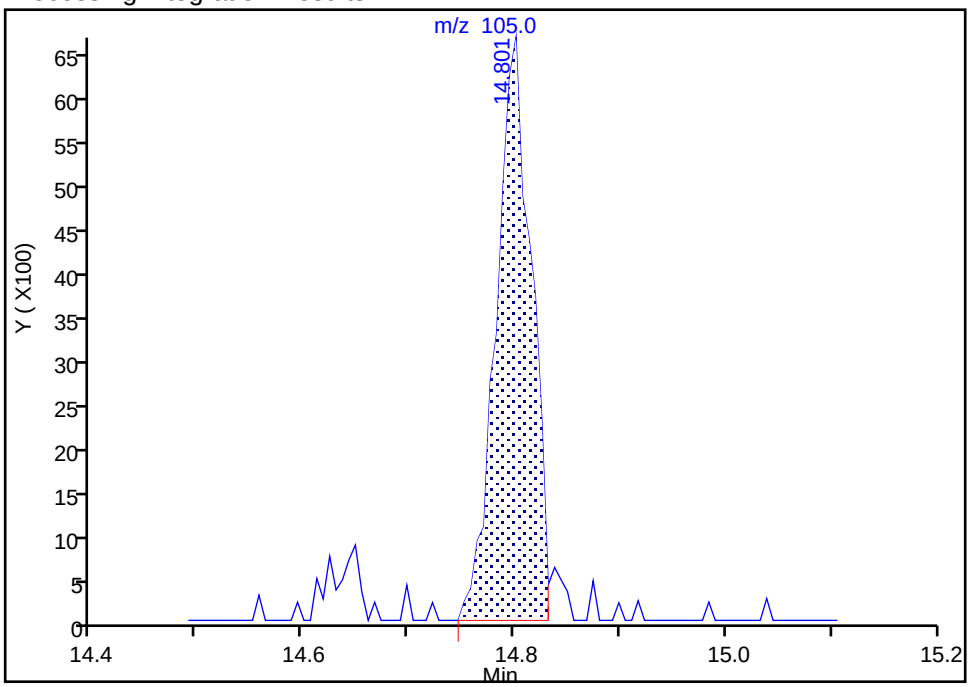
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

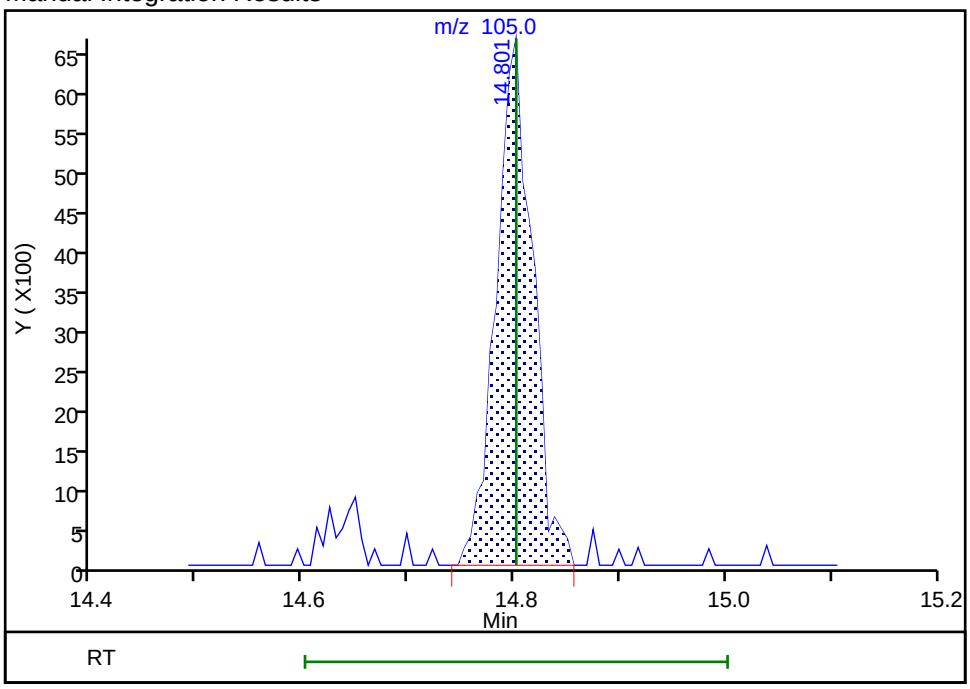
Processing Integration Results

RT: 14.80
Area: 15410
Amount: 11.879606
Amount Units: ng



Manual Integration Results

RT: 14.80
Area: 15922
Amount: 5.119347
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

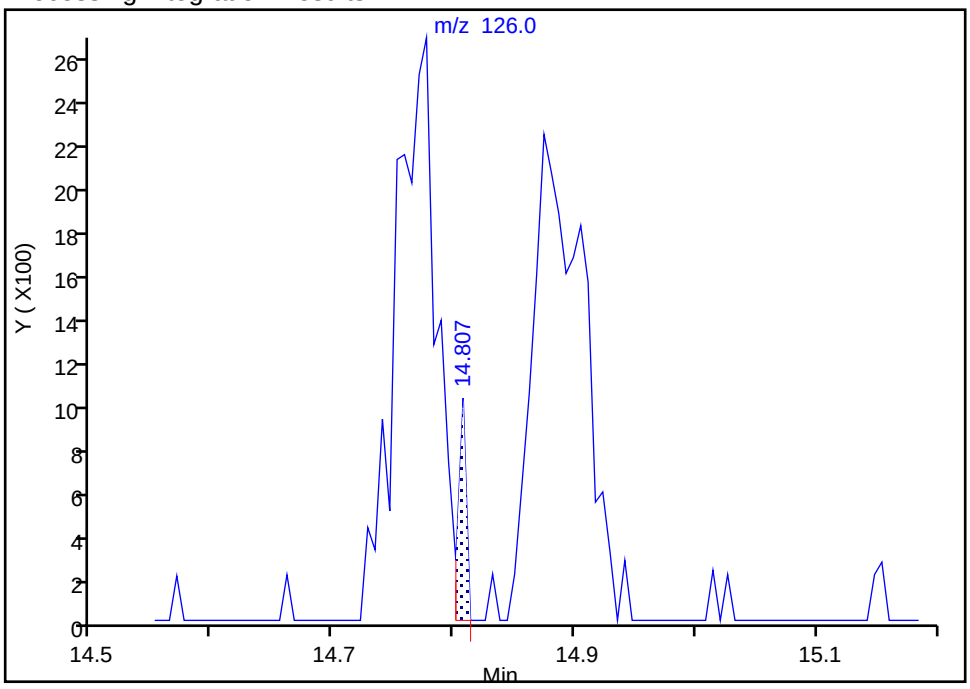
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

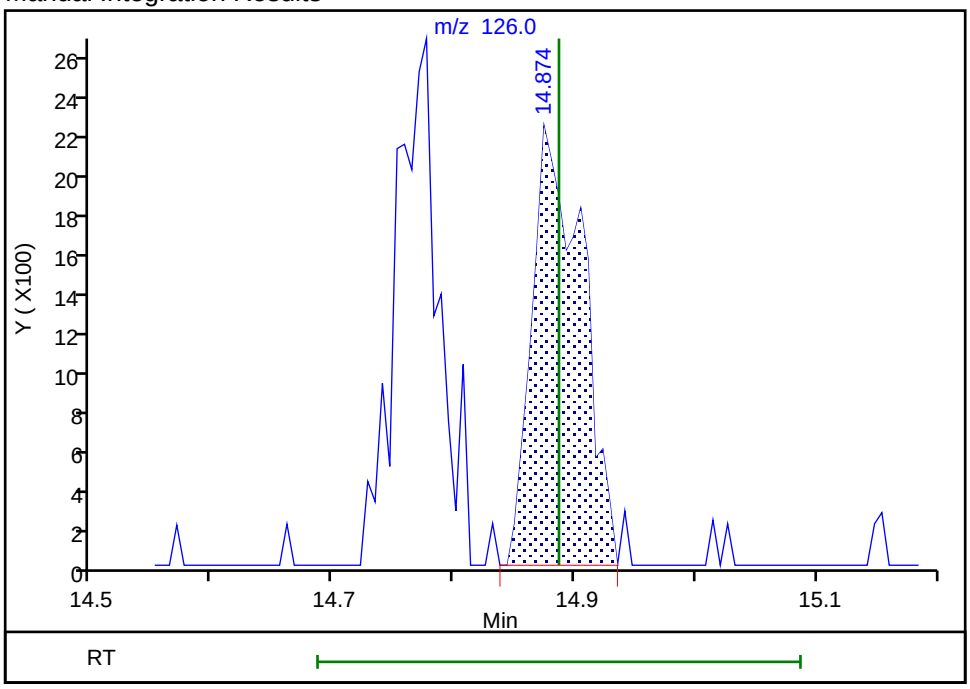
Processing Integration Results

RT: 14.81
Area: 466
Amount: 0.031349
Amount Units: ng



Manual Integration Results

RT: 14.87
Area: 6354
Amount: 3.862051
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:13

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

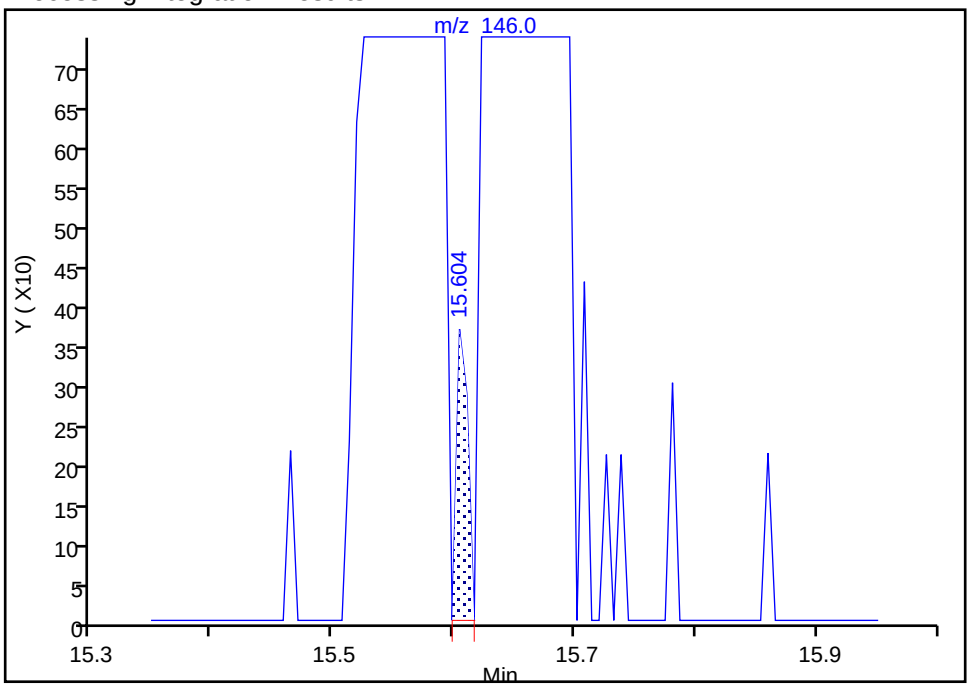
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

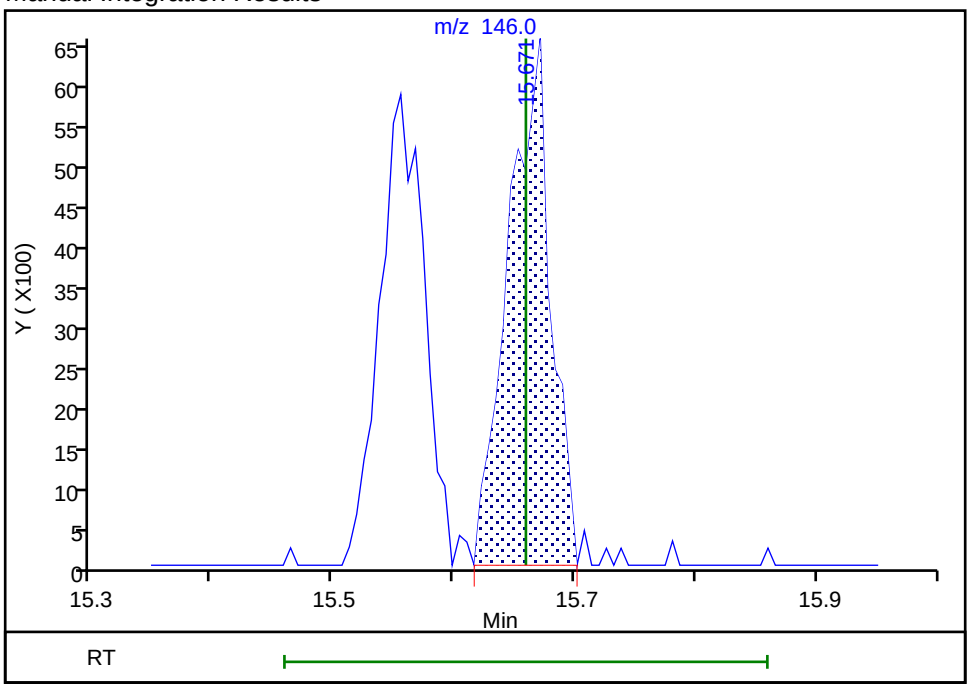
Processing Integration Results

RT: 15.60
Area: 239
Amount: 0.009059
Amount Units: ng



Manual Integration Results

RT: 15.67
Area: 15882
Amount: 5.232717
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

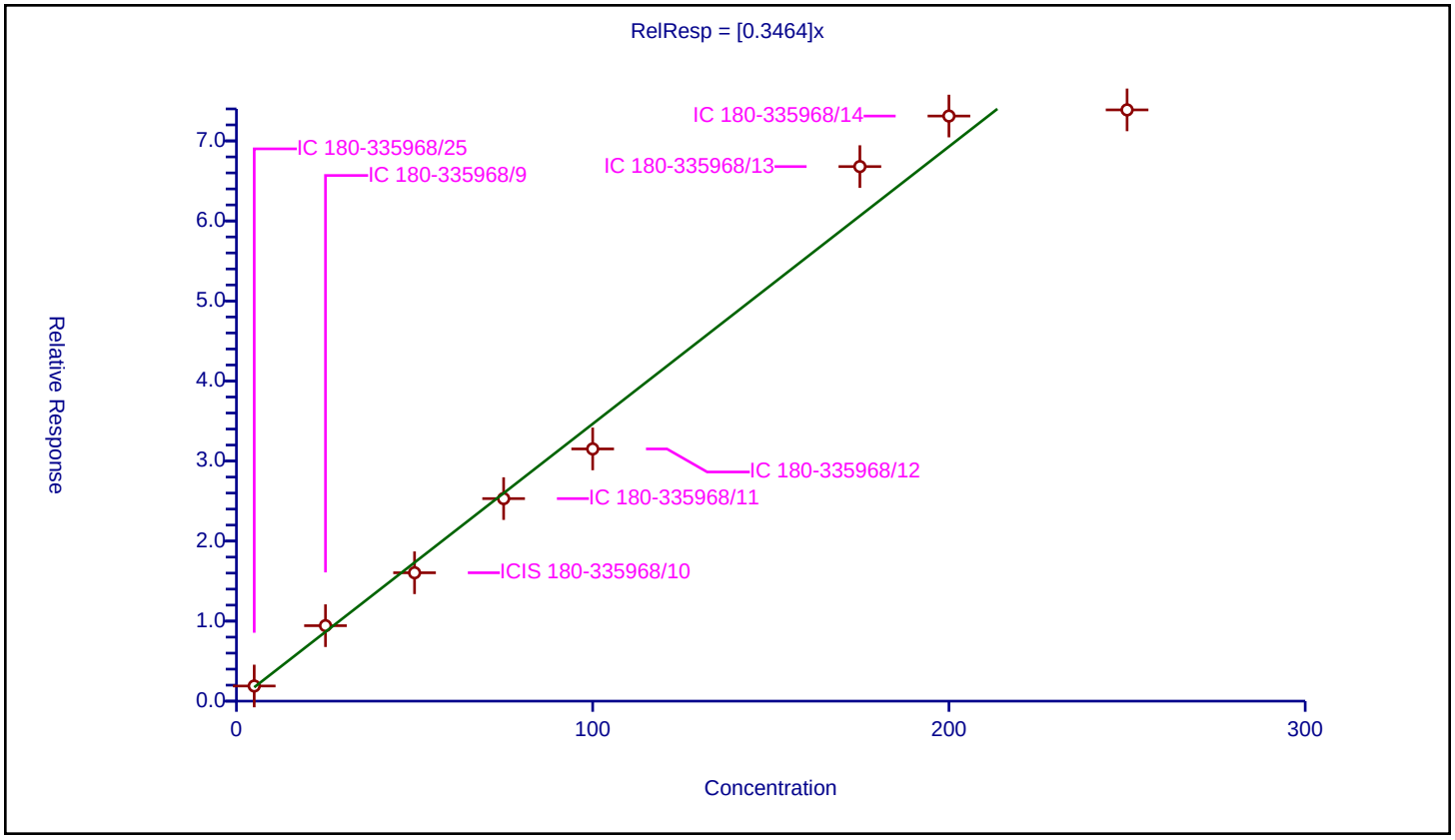
Curve Coefficients

Intercept:	0
Slope:	0.3464

Error Coefficients

Standard Error:	586000
Relative Standard Error:	9.7
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.891809	50.0	399089.0	0.378362	Y
2	IC 180-335968/9	25.0	9.428414	50.0	608098.0	0.377137	Y
3	ICIS 180-335968/10	50.0	16.040518	50.0	659614.0	0.32081	Y
4	IC 180-335968/11	75.0	25.30591	50.0	633929.0	0.337412	Y
5	IC 180-335968/12	100.0	31.512314	50.0	603499.0	0.315123	Y
6	IC 180-335968/13	175.0	66.792989	50.0	557831.0	0.381674	Y
7	IC 180-335968/14	200.0	73.10849	50.0	596785.0	0.365542	Y
8	IC 180-335968/15	250.0	73.875347	50.0	597851.0	0.295501	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

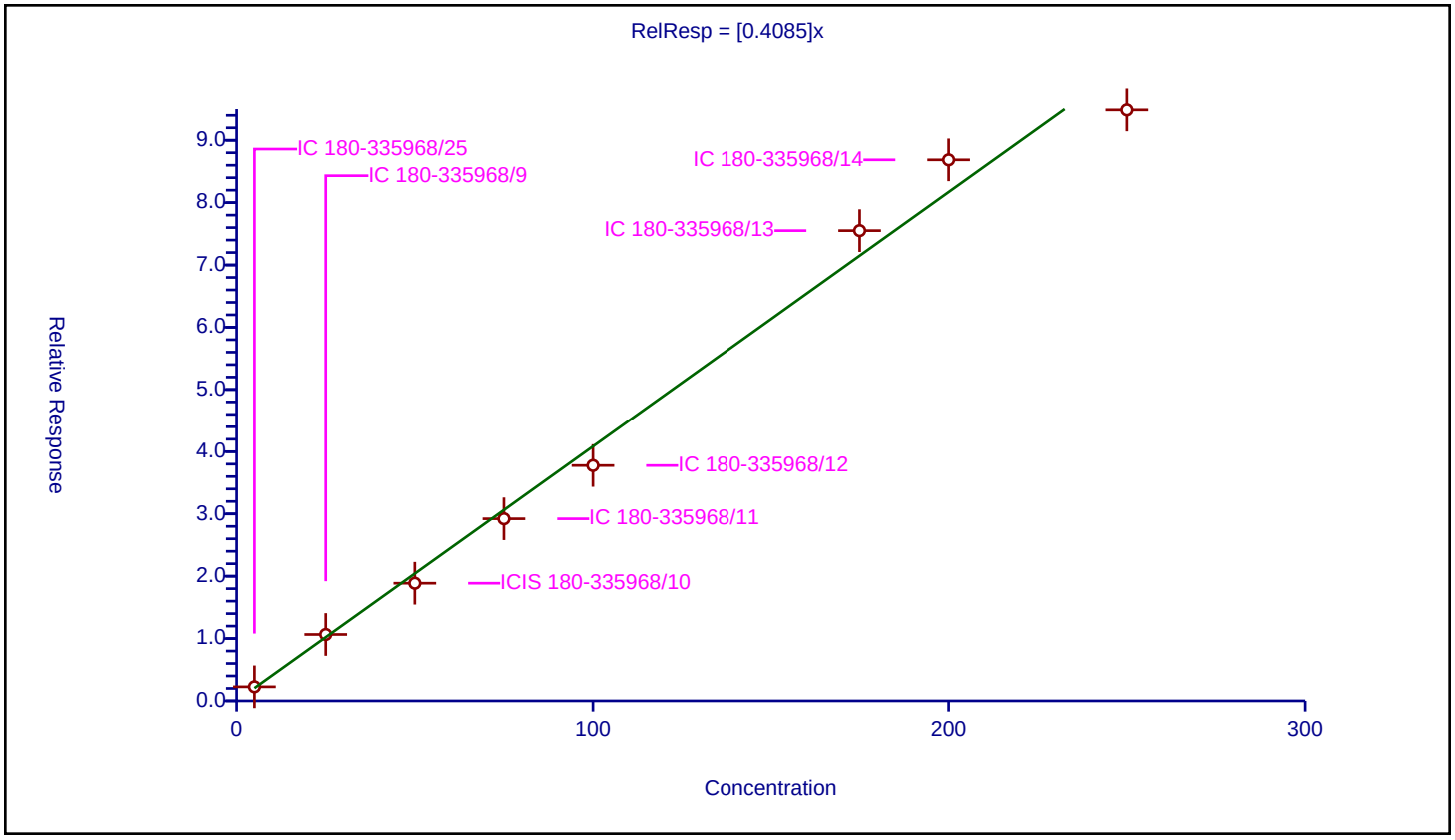
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	707000
Relative Standard Error:	7.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.257767	50.0	399089.0	0.451553	Y
2	IC 180-335968/9	25.0	10.654533	50.0	608098.0	0.426181	Y
3	ICIS 180-335968/10	50.0	18.872022	50.0	659614.0	0.37744	Y
4	IC 180-335968/11	75.0	29.219045	50.0	633929.0	0.389587	Y
5	IC 180-335968/12	100.0	37.778439	50.0	603499.0	0.377784	Y
6	IC 180-335968/13	175.0	75.515524	50.0	557831.0	0.431517	Y
7	IC 180-335968/14	200.0	86.864281	50.0	596785.0	0.434321	Y
8	IC 180-335968/15	250.0	94.870294	50.0	597851.0	0.379481	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

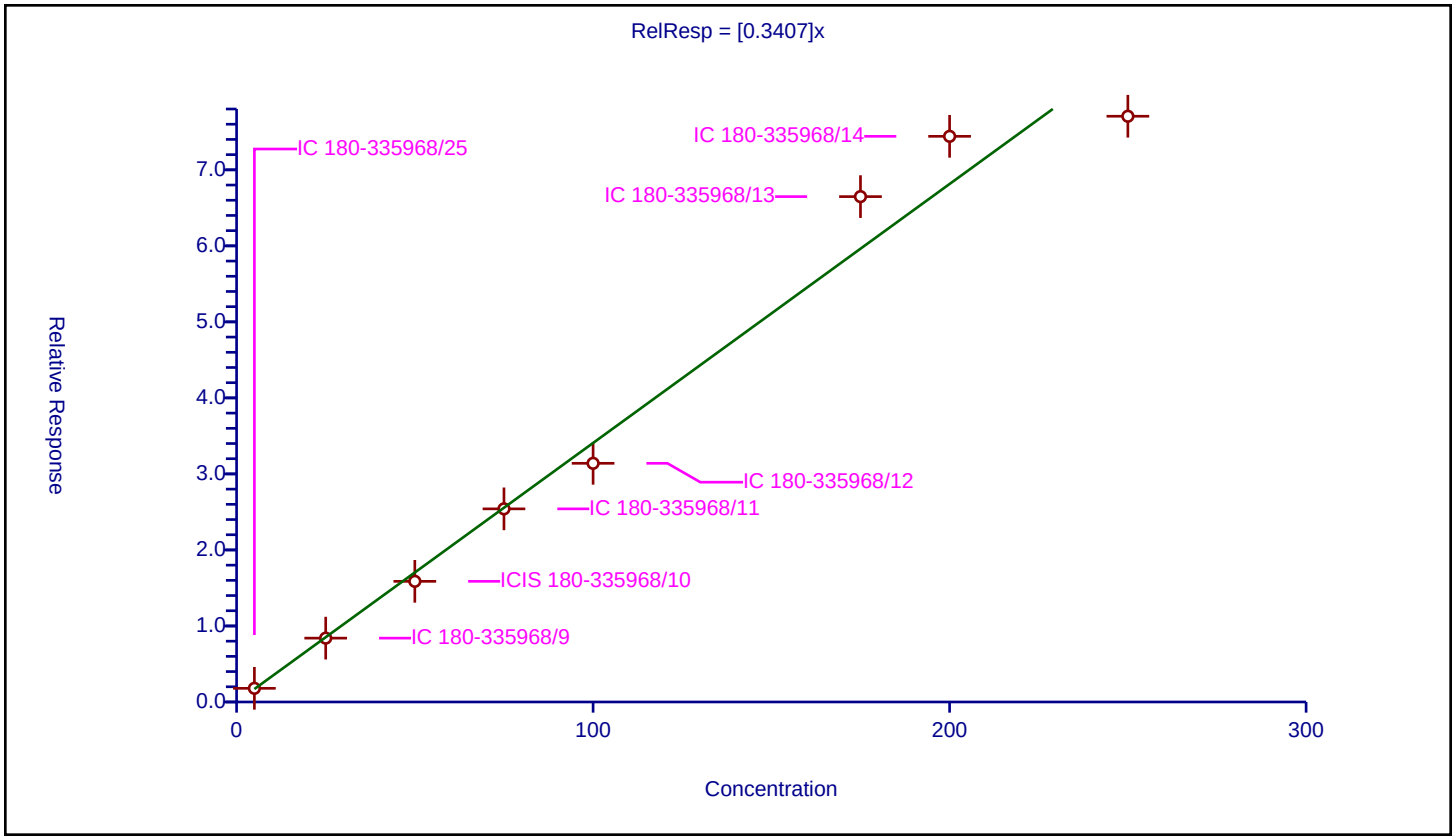
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Standard Error:	596000
Relative Standard Error:	8.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.796842	50.0	399089.0	0.359368	Y
2	IC 180-335968/9	25.0	8.398235	50.0	608098.0	0.335929	Y
3	ICIS 180-335968/10	50.0	15.871404	50.0	659614.0	0.317428	Y
4	IC 180-335968/11	75.0	25.406236	50.0	633929.0	0.33875	Y
5	IC 180-335968/12	100.0	31.397567	50.0	603499.0	0.313976	Y
6	IC 180-335968/13	175.0	66.478019	50.0	557831.0	0.379874	Y
7	IC 180-335968/14	200.0	74.406612	50.0	596785.0	0.372033	Y
8	IC 180-335968/15	250.0	77.049884	50.0	597851.0	0.3082	Y



Calibration / Butadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

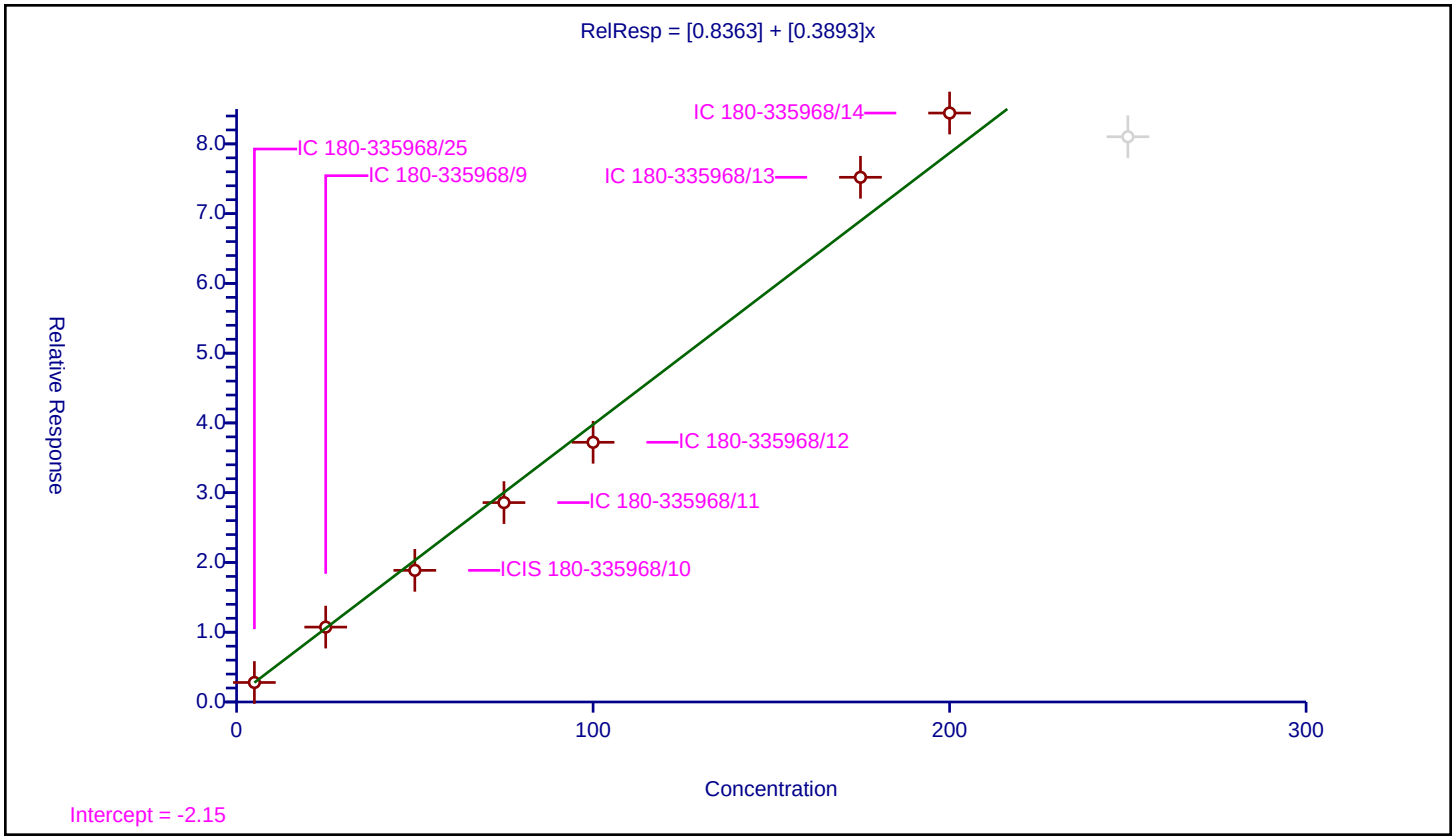
Curve Coefficients

Intercept:	0.8363
Slope:	0.3893

Error Coefficients

Standard Error:	653000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.794615	50.0	399089.0	0.558923	Y
2	IC 180-335968/9	25.0	10.733796	50.0	608098.0	0.429352	Y
3	ICIS 180-335968/10	50.0	18.871188	50.0	659614.0	0.377424	Y
4	IC 180-335968/11	75.0	28.584747	50.0	633929.0	0.38113	Y
5	IC 180-335968/12	100.0	37.226077	50.0	603499.0	0.372261	Y
6	IC 180-335968/13	175.0	75.215791	50.0	557831.0	0.429805	Y
7	IC 180-335968/14	200.0	84.424709	50.0	596785.0	0.422124	Y
8	IC 180-335968/15	250.0	81.023449	50.0	597851.0	0.324094	N



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

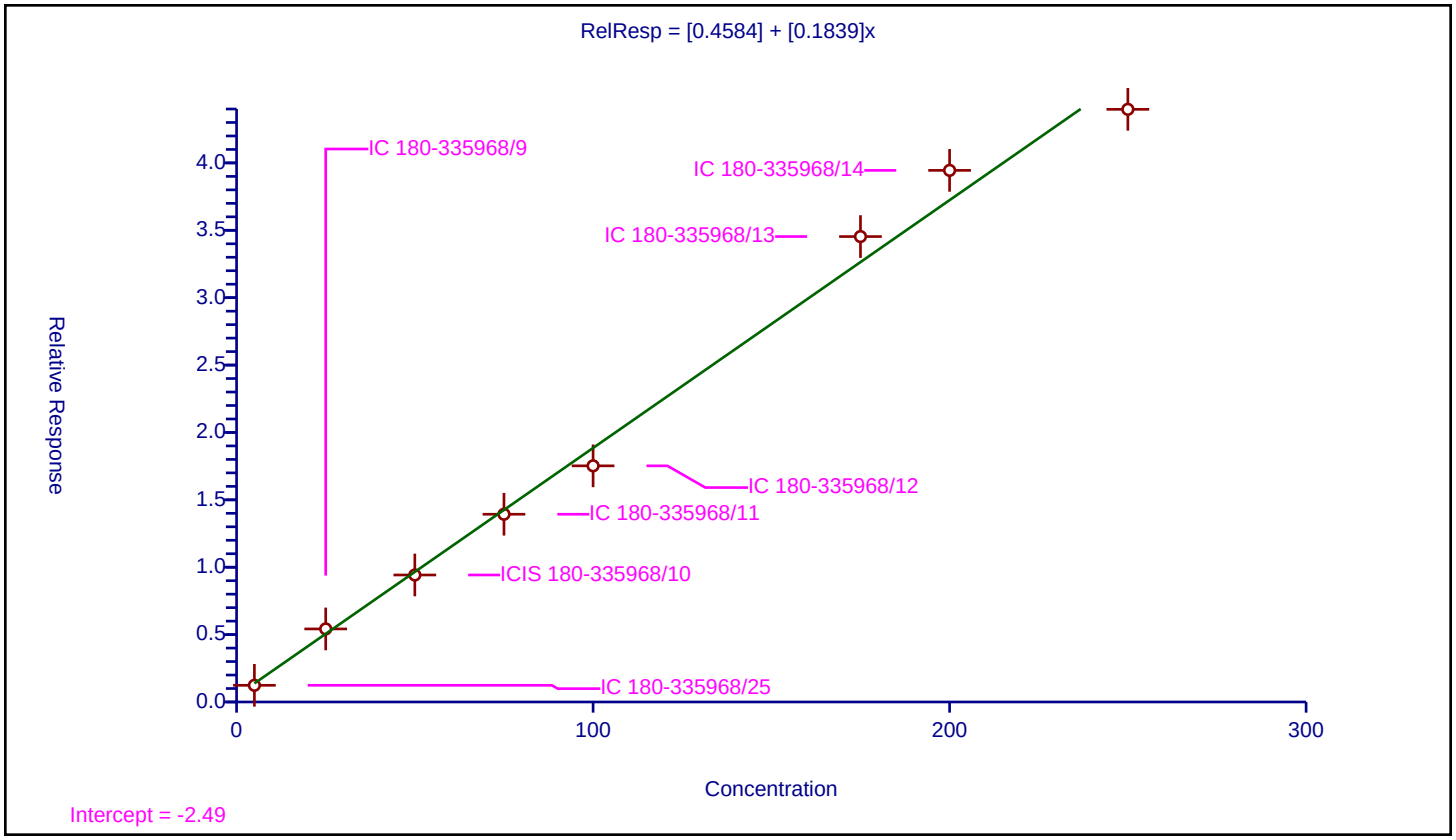
Curve Coefficients

Intercept:	0.4584
Slope:	0.1839

Error Coefficients

Standard Error:	352000
Relative Standard Error:	8.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.238446	50.0	399089.0	0.247689	Y
2	IC 180-335968/9	25.0	5.421577	50.0	608098.0	0.216863	Y
3	ICIS 180-335968/10	50.0	9.423314	50.0	659614.0	0.188466	Y
4	IC 180-335968/11	75.0	13.930582	50.0	633929.0	0.185741	Y
5	IC 180-335968/12	100.0	17.523227	50.0	603499.0	0.175232	Y
6	IC 180-335968/13	175.0	34.536446	50.0	557831.0	0.197351	Y
7	IC 180-335968/14	200.0	39.447372	50.0	596785.0	0.197237	Y
8	IC 180-335968/15	250.0	43.976927	50.0	597851.0	0.175908	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

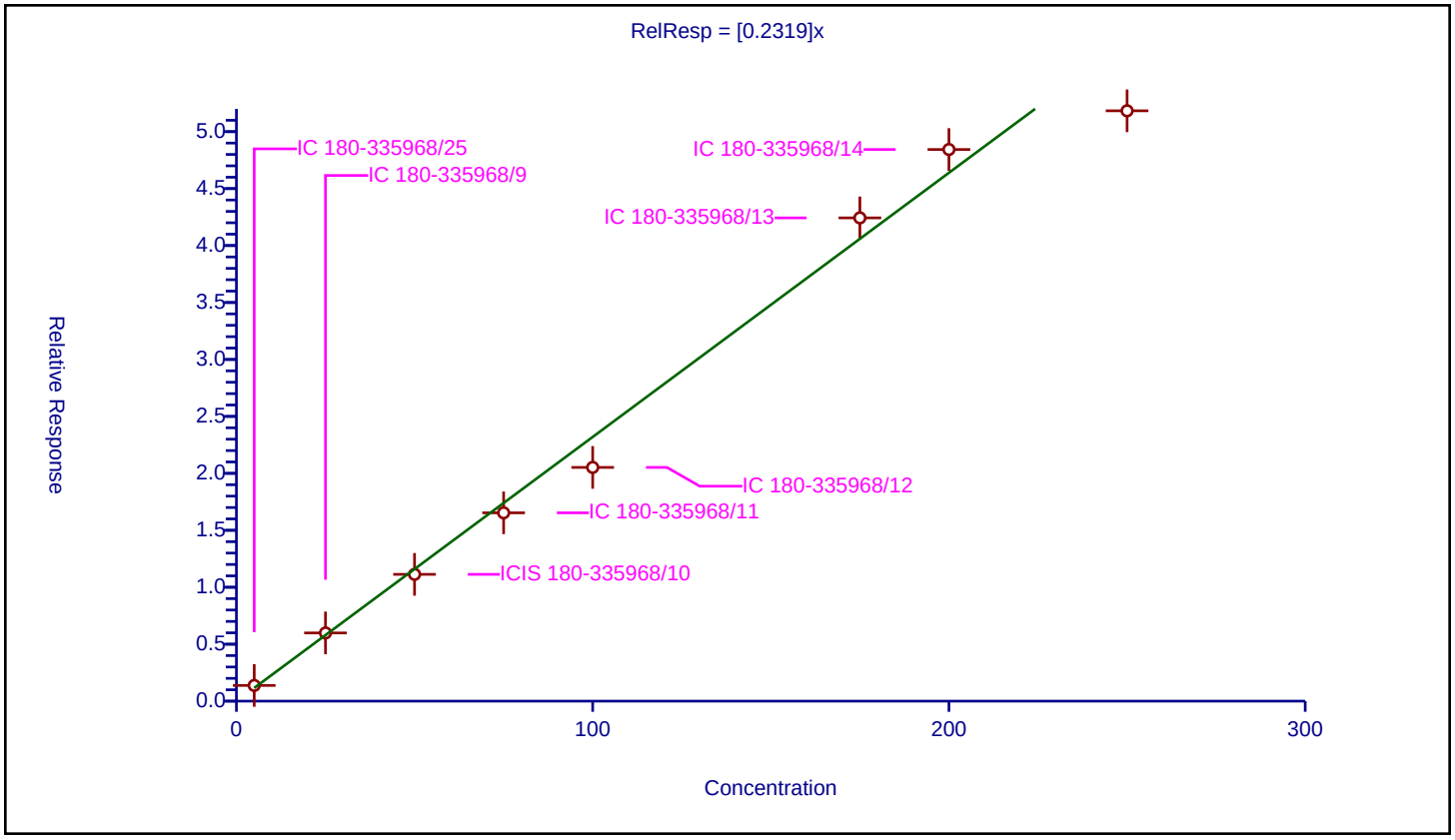
Curve Coefficients

Intercept:	0
Slope:	0.2319

Error Coefficients

Standard Error:	392000
Relative Standard Error:	10.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.379016	50.0	399089.0	0.275803	Y
2	IC 180-335968/9	25.0	5.988015	50.0	608098.0	0.239521	Y
3	ICIS 180-335968/10	50.0	11.132344	50.0	659614.0	0.222647	Y
4	IC 180-335968/11	75.0	16.534738	50.0	633929.0	0.220463	Y
5	IC 180-335968/12	100.0	20.520664	50.0	603499.0	0.205207	Y
6	IC 180-335968/13	175.0	42.430145	50.0	557831.0	0.242458	Y
7	IC 180-335968/14	200.0	48.432853	50.0	596785.0	0.242164	Y
8	IC 180-335968/15	250.0	51.831895	50.0	597851.0	0.207328	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

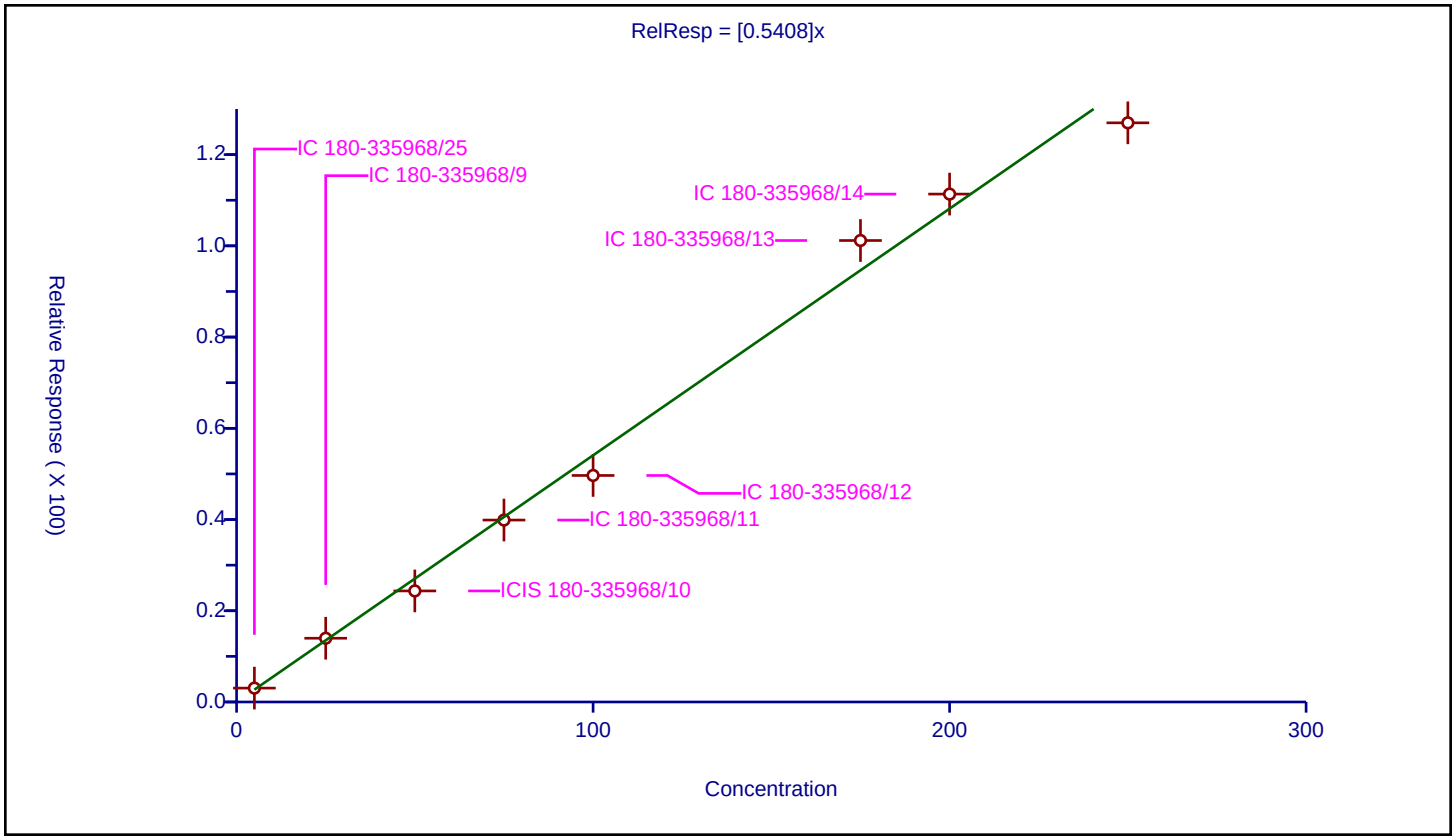
Curve Coefficients

Intercept:	0
Slope:	0.5408

Error Coefficients

Standard Error:	933000
Relative Standard Error:	7.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.044308	50.0	399089.0	0.608862	Y
2	IC 180-335968/9	25.0	13.976695	50.0	608098.0	0.559068	Y
3	ICIS 180-335968/10	50.0	24.348179	50.0	659614.0	0.486964	Y
4	IC 180-335968/11	75.0	39.887432	50.0	633929.0	0.531832	Y
5	IC 180-335968/12	100.0	49.661226	50.0	603499.0	0.496612	Y
6	IC 180-335968/13	175.0	101.172398	50.0	557831.0	0.578128	Y
7	IC 180-335968/14	200.0	111.348894	50.0	596785.0	0.556744	Y
8	IC 180-335968/15	250.0	126.968927	50.0	597851.0	0.507876	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

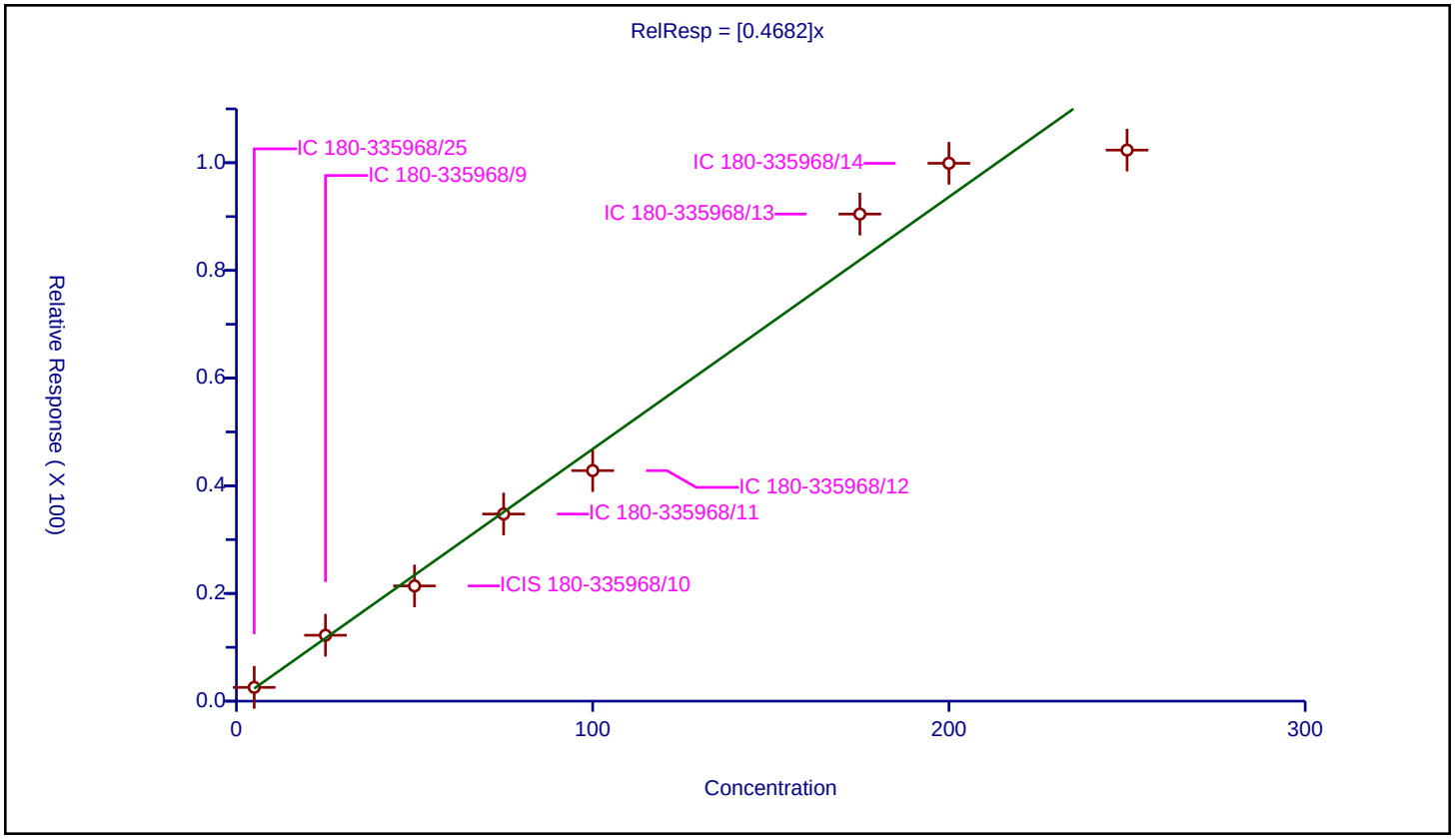
Curve Coefficients

Intercept:	0
Slope:	0.4682

Error Coefficients

Standard Error:	802000
Relative Standard Error:	9.0
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.553315	50.0	399089.0	0.510663	Y
2	IC 180-335968/9	25.0	12.241695	50.0	608098.0	0.489668	Y
3	ICIS 180-335968/10	50.0	21.400167	50.0	659614.0	0.428003	Y
4	IC 180-335968/11	75.0	34.754365	50.0	633929.0	0.463392	Y
5	IC 180-335968/12	100.0	42.819541	50.0	603499.0	0.428195	Y
6	IC 180-335968/13	175.0	90.464316	50.0	557831.0	0.516939	Y
7	IC 180-335968/14	200.0	99.899461	50.0	596785.0	0.499497	Y
8	IC 180-335968/15	250.0	102.349498	50.0	597851.0	0.409398	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

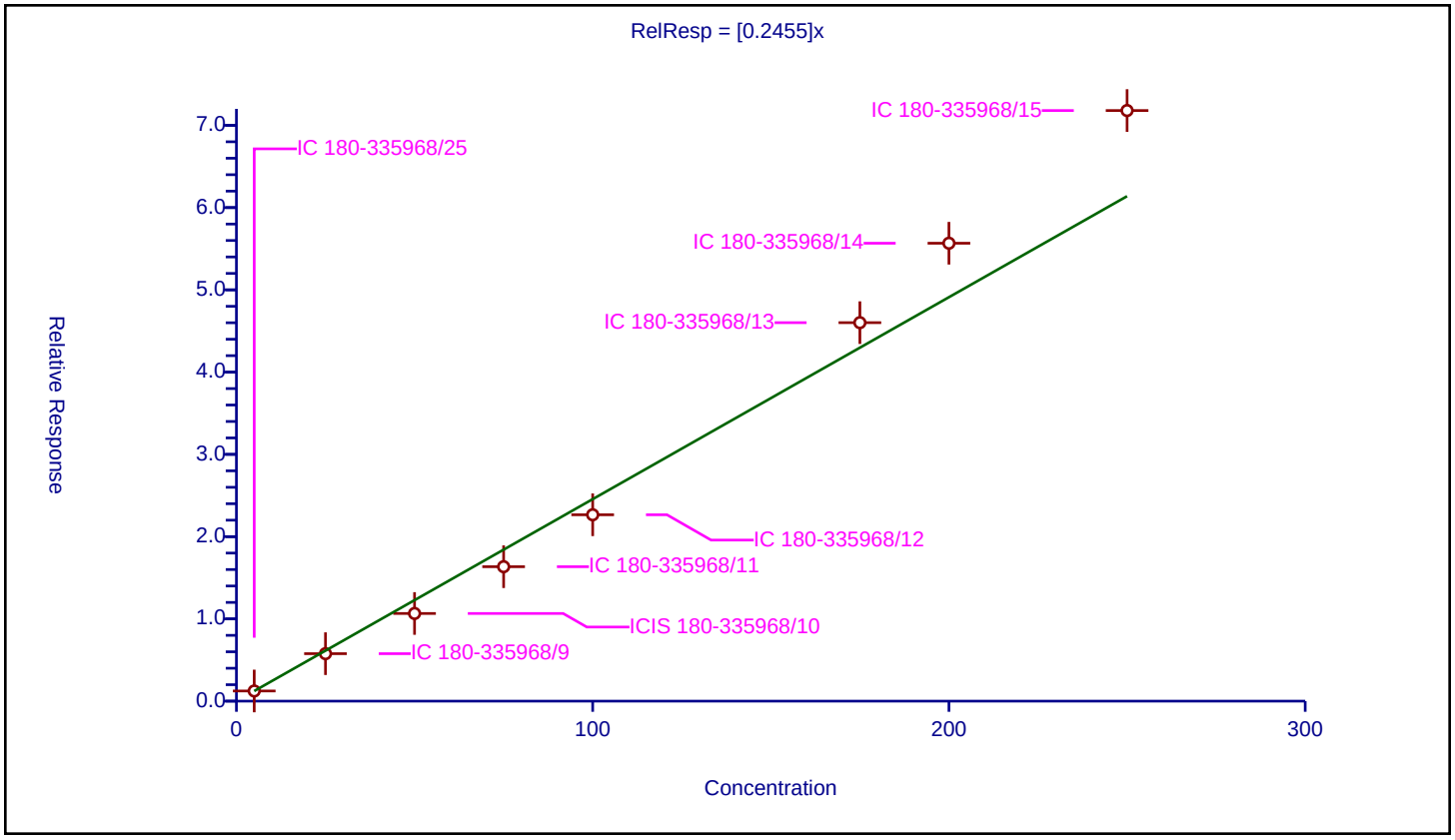
Curve Coefficients

Intercept:	0
Slope:	0.2455

Error Coefficients

Standard Error:	476000
Relative Standard Error:	11.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.236566	50.0	399089.0	0.247313	Y
2	IC 180-335968/9	25.0	5.771931	50.0	608098.0	0.230877	Y
3	ICIS 180-335968/10	50.0	10.658127	50.0	659614.0	0.213163	Y
4	IC 180-335968/11	75.0	16.34489	50.0	633929.0	0.217932	Y
5	IC 180-335968/12	100.0	22.656873	50.0	603499.0	0.226569	Y
6	IC 180-335968/13	175.0	46.012054	50.0	557831.0	0.262926	Y
7	IC 180-335968/14	200.0	55.669378	50.0	596785.0	0.278347	Y
8	IC 180-335968/15	250.0	71.800248	50.0	597851.0	0.287201	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

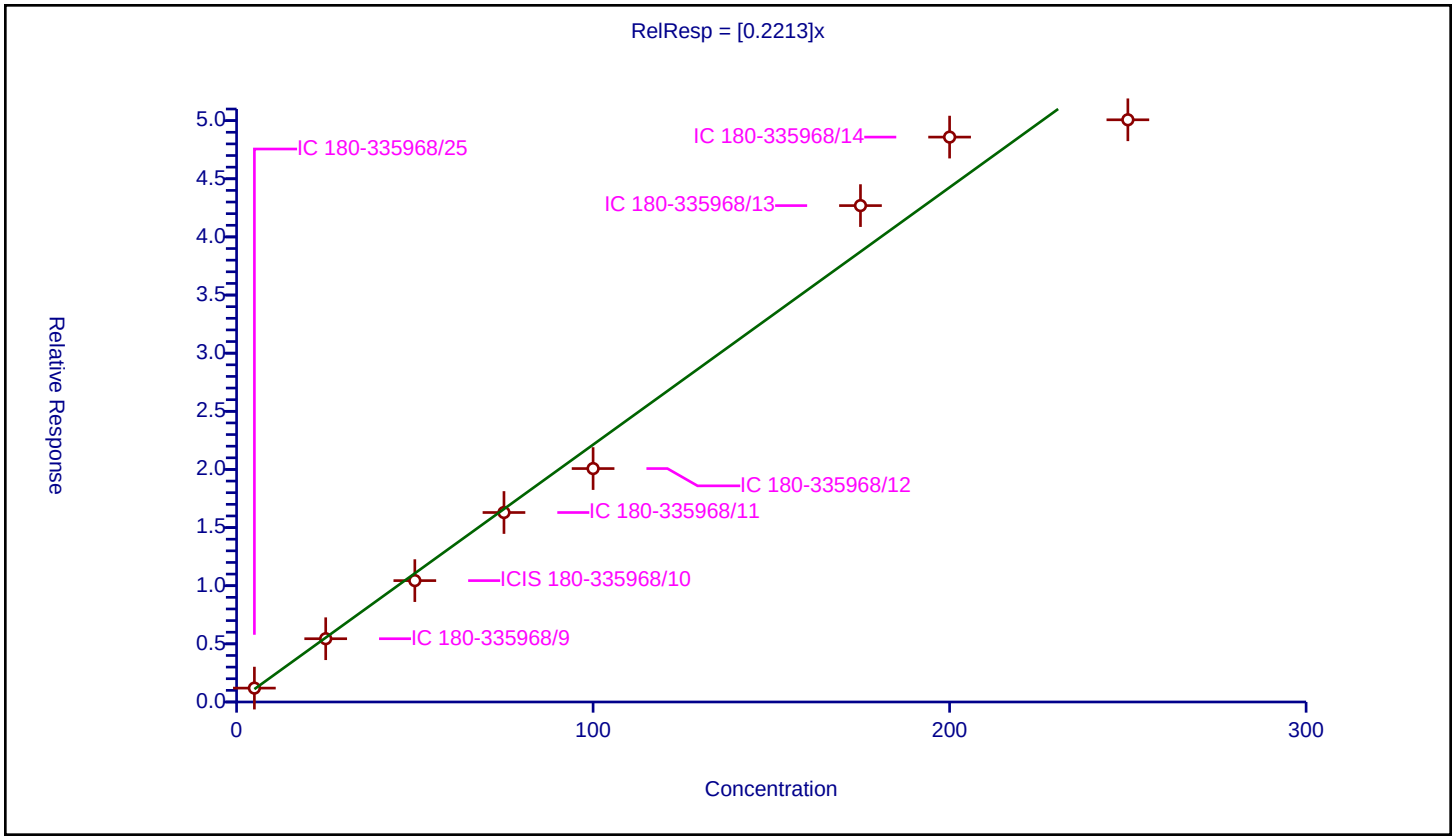
Curve Coefficients

Intercept:	0
Slope:	0.2213

Error Coefficients

Standard Error:	387000
Relative Standard Error:	8.3
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.193719	50.0	399089.0	0.238744	Y
2	IC 180-335968/9	25.0	5.442462	50.0	608098.0	0.217698	Y
3	ICIS 180-335968/10	50.0	10.439211	50.0	659614.0	0.208784	Y
4	IC 180-335968/11	75.0	16.295673	50.0	633929.0	0.217276	Y
5	IC 180-335968/12	100.0	20.076172	50.0	603499.0	0.200762	Y
6	IC 180-335968/13	175.0	42.691873	50.0	557831.0	0.243954	Y
7	IC 180-335968/14	200.0	48.585923	50.0	596785.0	0.24293	Y
8	IC 180-335968/15	250.0	50.074433	50.0	597851.0	0.200298	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

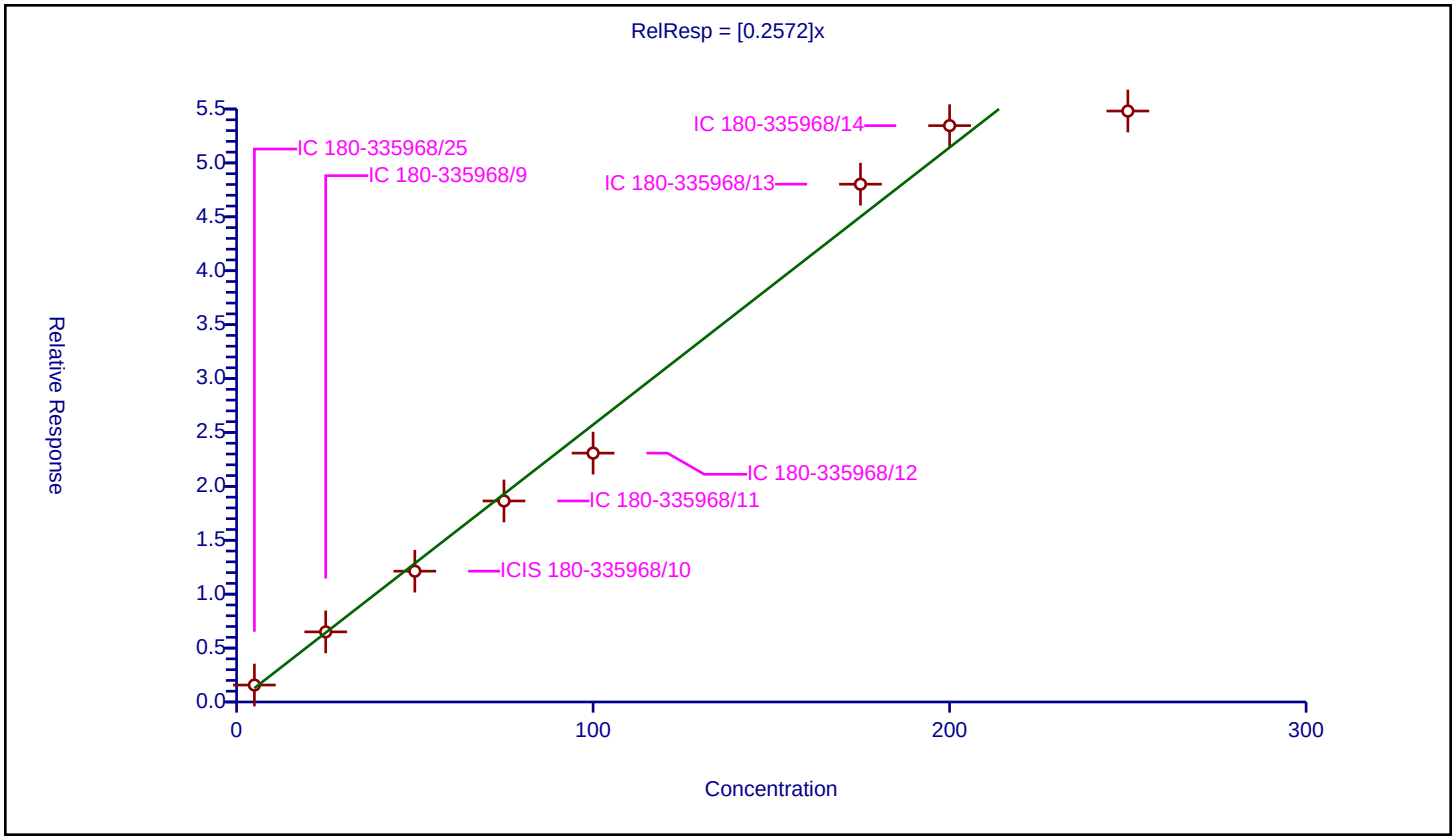
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	429000
Relative Standard Error:	11.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.570702	50.0	399089.0	0.31414	Y
2	IC 180-335968/9	25.0	6.503146	50.0	608098.0	0.260126	Y
3	ICIS 180-335968/10	50.0	12.132853	50.0	659614.0	0.242657	Y
4	IC 180-335968/11	75.0	18.646568	50.0	633929.0	0.248621	Y
5	IC 180-335968/12	100.0	23.083634	50.0	603499.0	0.230836	Y
6	IC 180-335968/13	175.0	48.027808	50.0	557831.0	0.274445	Y
7	IC 180-335968/14	200.0	53.458281	50.0	596785.0	0.267291	Y
8	IC 180-335968/15	250.0	54.812069	50.0	597851.0	0.219248	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

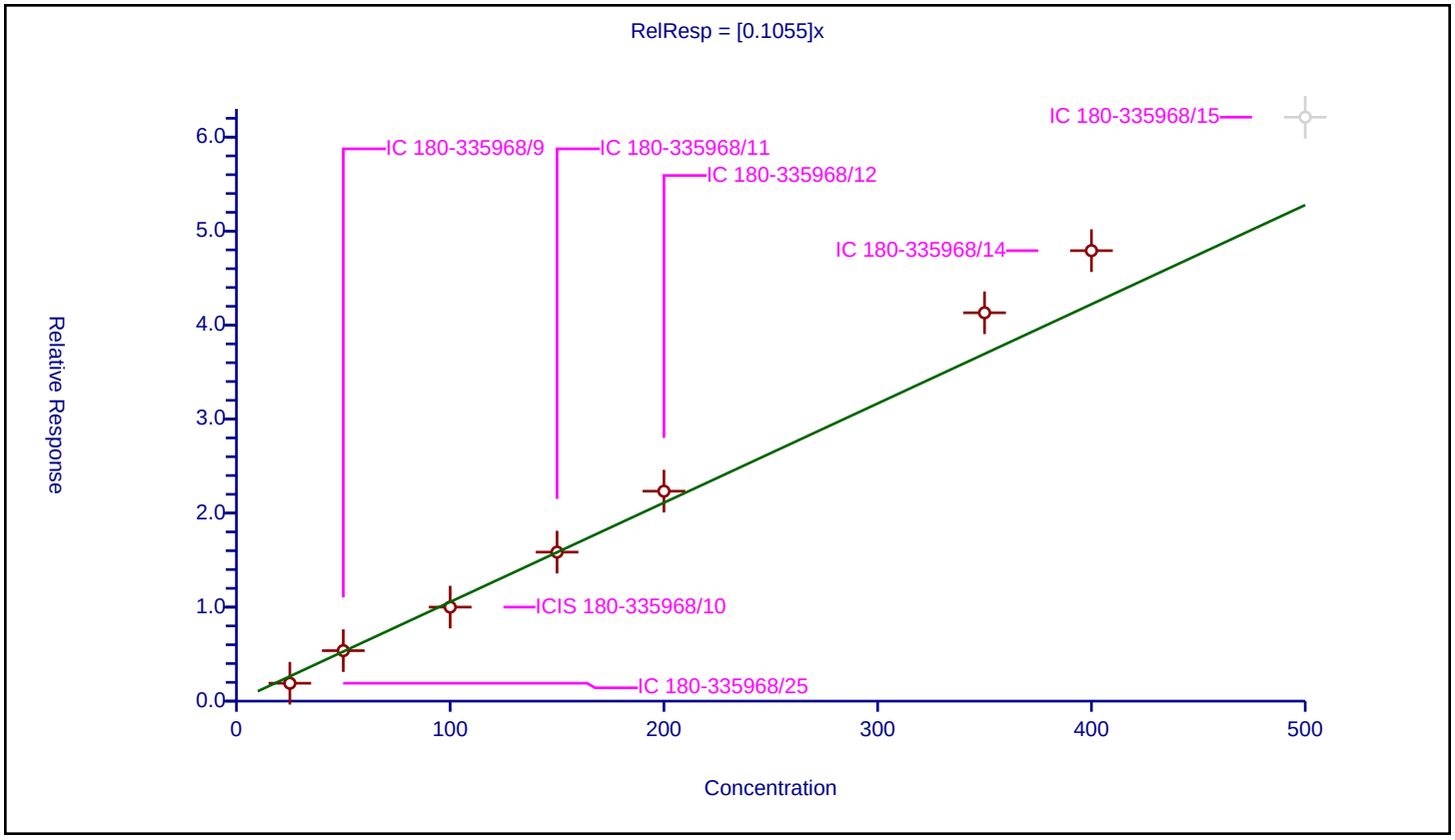
Curve Coefficients

Intercept:	0
Slope:	0.1055

Error Coefficients

Standard Error:	335000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	1.904337	50.0	399089.0	0.076173	Y
2	IC 180-335968/9	50.0	5.371009	50.0	608098.0	0.10742	Y
3	ICIS 180-335968/10	100.0	10.003805	50.0	659614.0	0.100038	Y
4	IC 180-335968/11	150.0	15.853353	50.0	633929.0	0.105689	Y
5	IC 180-335968/12	200.0	22.334834	50.0	603499.0	0.111674	Y
6	IC 180-335968/13	350.0	41.312871	50.0	557831.0	0.118037	Y
7	IC 180-335968/14	400.0	47.917592	50.0	596785.0	0.119794	Y
8	IC 180-335968/15	500.0	62.114892	50.0	597851.0	0.12423	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

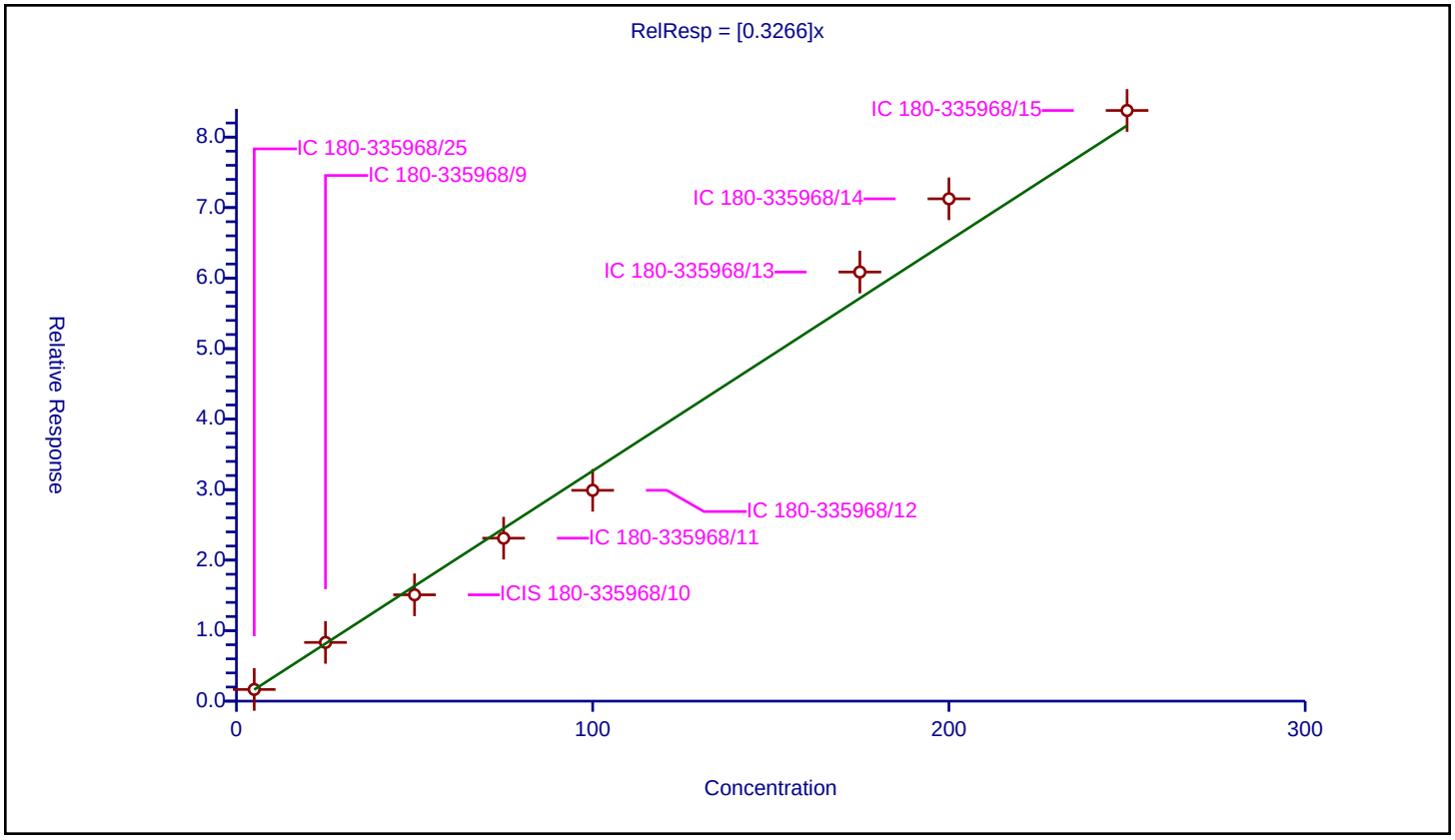
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	592000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.656397	50.0	399089.0	0.331279	Y
2	IC 180-335968/9	25.0	8.328345	50.0	608098.0	0.333134	Y
3	ICIS 180-335968/10	50.0	15.082154	50.0	659614.0	0.301643	Y
4	IC 180-335968/11	75.0	23.113708	50.0	633929.0	0.308183	Y
5	IC 180-335968/12	100.0	29.903115	50.0	603499.0	0.299031	Y
6	IC 180-335968/13	175.0	60.862967	50.0	557831.0	0.347788	Y
7	IC 180-335968/14	200.0	71.247183	50.0	596785.0	0.356236	Y
8	IC 180-335968/15	250.0	83.776727	50.0	597851.0	0.335107	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

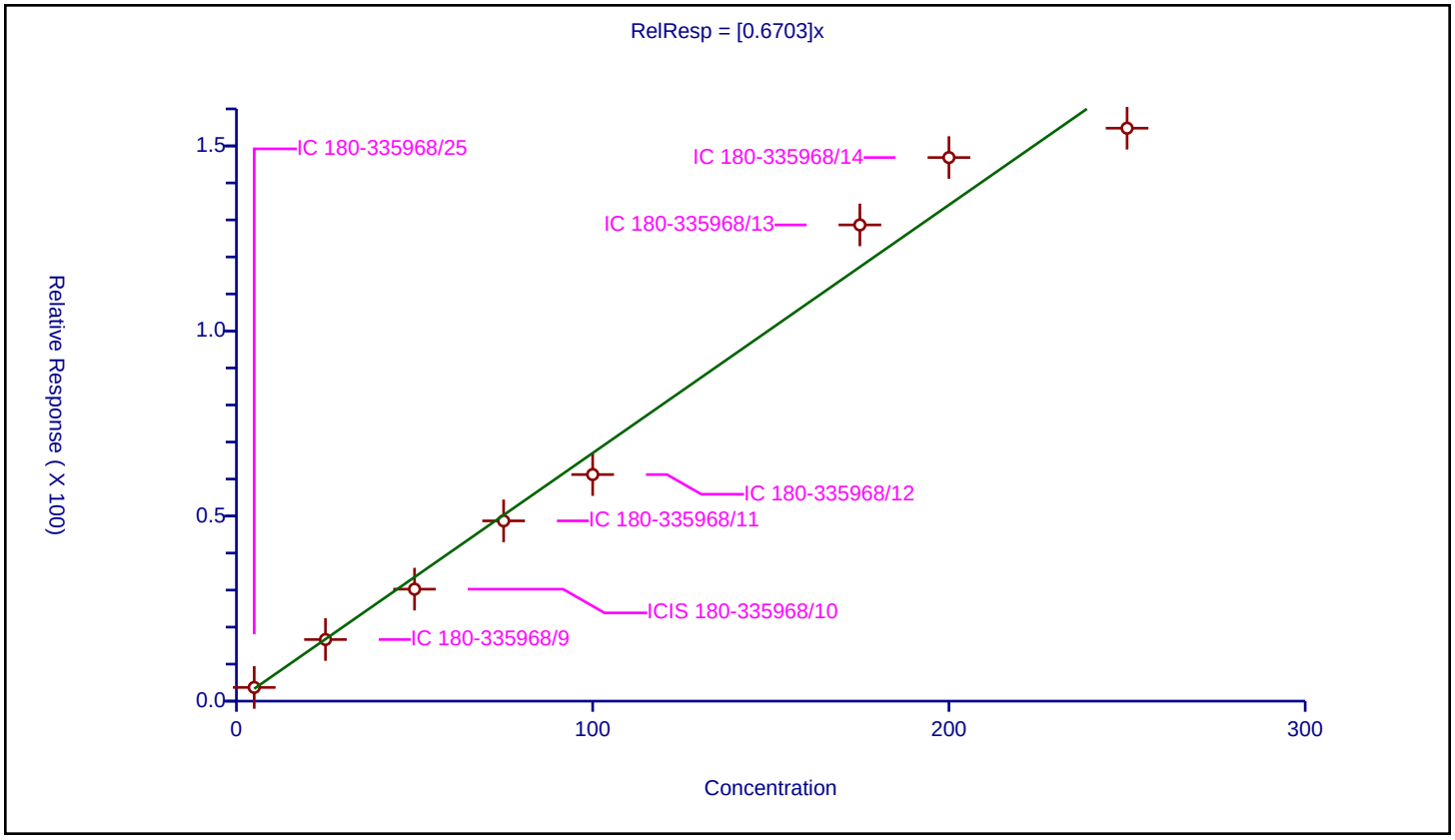
Curve Coefficients

Intercept:	0
Slope:	0.6703

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	8.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.705314	50.0	399089.0	0.741063	Y
2	IC 180-335968/9	25.0	16.644357	50.0	608098.0	0.665774	Y
3	ICIS 180-335968/10	50.0	30.255195	50.0	659614.0	0.605104	Y
4	IC 180-335968/11	75.0	48.699223	50.0	633929.0	0.649323	Y
5	IC 180-335968/12	100.0	61.217334	50.0	603499.0	0.612173	Y
6	IC 180-335968/13	175.0	128.655184	50.0	557831.0	0.735172	Y
7	IC 180-335968/14	200.0	146.853808	50.0	596785.0	0.734269	Y
8	IC 180-335968/15	250.0	154.791997	50.0	597851.0	0.619168	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

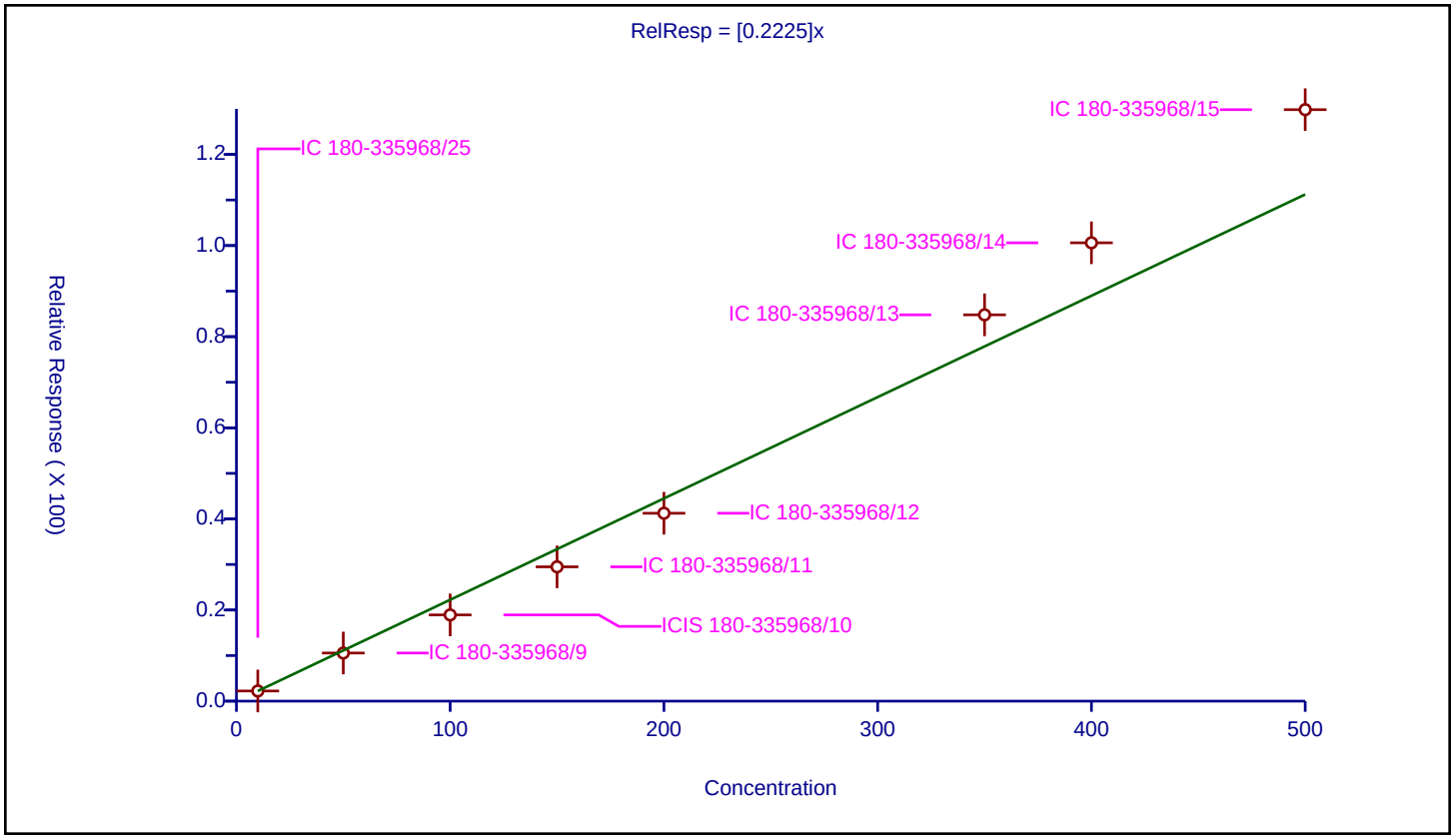
Curve Coefficients

Intercept:	0
Slope:	0.2225

Error Coefficients

Standard Error:	863000
Relative Standard Error:	11.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	10.0	2.228576	50.0	399089.0	0.222858	Y
2	IC 180-335968/9	50.0	10.563593	50.0	608098.0	0.211272	Y
3	ICIS 180-335968/10	100.0	18.927812	50.0	659614.0	0.189278	Y
4	IC 180-335968/11	150.0	29.480115	50.0	633929.0	0.196534	Y
5	IC 180-335968/12	200.0	41.244559	50.0	603499.0	0.206223	Y
6	IC 180-335968/13	350.0	84.795664	50.0	557831.0	0.242273	Y
7	IC 180-335968/14	400.0	100.606248	50.0	596785.0	0.251516	Y
8	IC 180-335968/15	500.0	129.830426	50.0	597851.0	0.259661	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

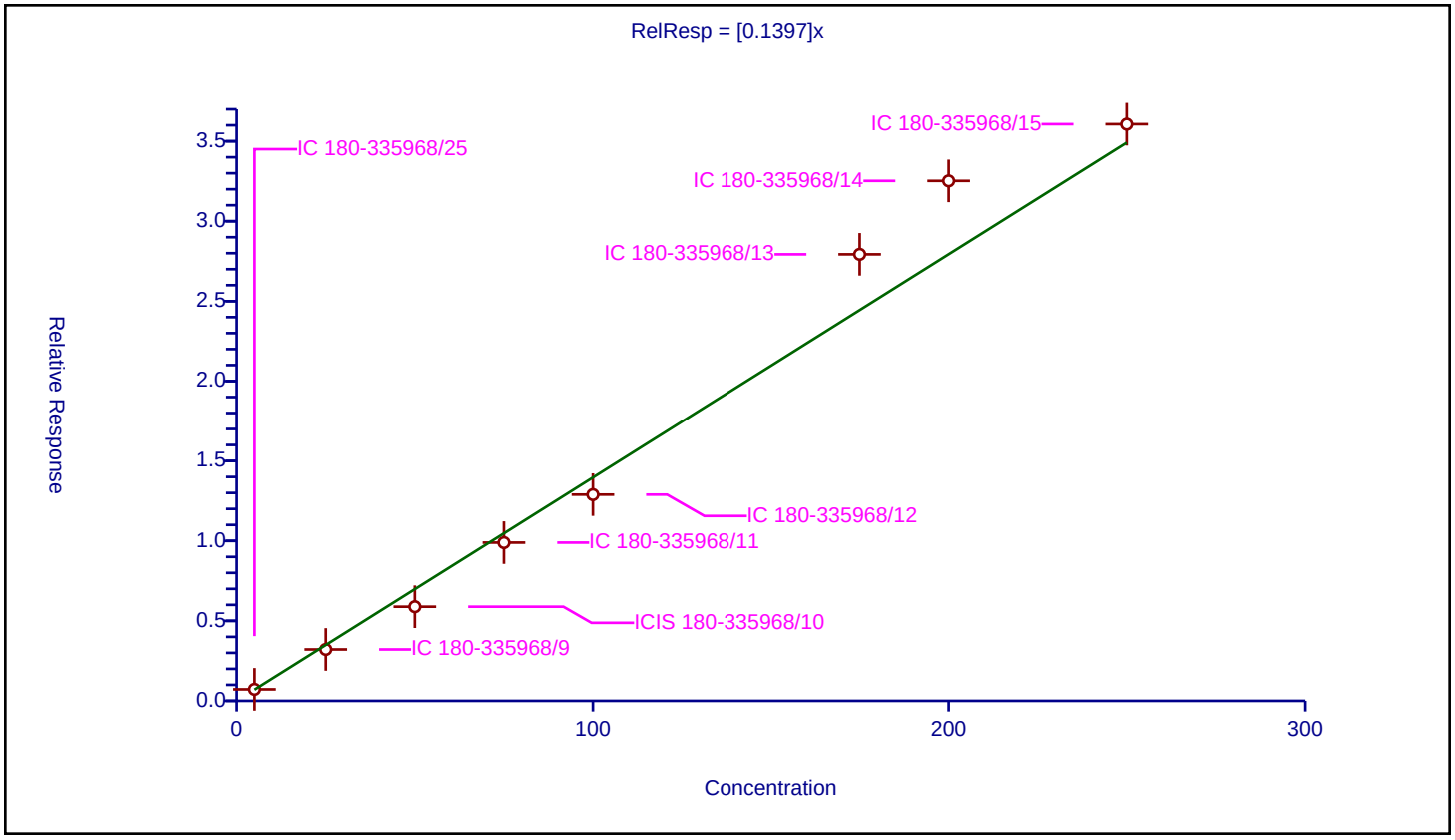
Curve Coefficients

Intercept:	0
Slope:	0.1397

Error Coefficients

Standard Error:	262000
Relative Standard Error:	11.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.718511	50.0	399089.0	0.143702	Y
2	IC 180-335968/9	25.0	3.212558	50.0	608098.0	0.128502	Y
3	ICIS 180-335968/10	50.0	5.883668	50.0	659614.0	0.117673	Y
4	IC 180-335968/11	75.0	9.895351	50.0	633929.0	0.131938	Y
5	IC 180-335968/12	100.0	12.896293	50.0	603499.0	0.128963	Y
6	IC 180-335968/13	175.0	27.927724	50.0	557831.0	0.159587	Y
7	IC 180-335968/14	200.0	32.523103	50.0	596785.0	0.162616	Y
8	IC 180-335968/15	250.0	36.069188	50.0	597851.0	0.144277	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

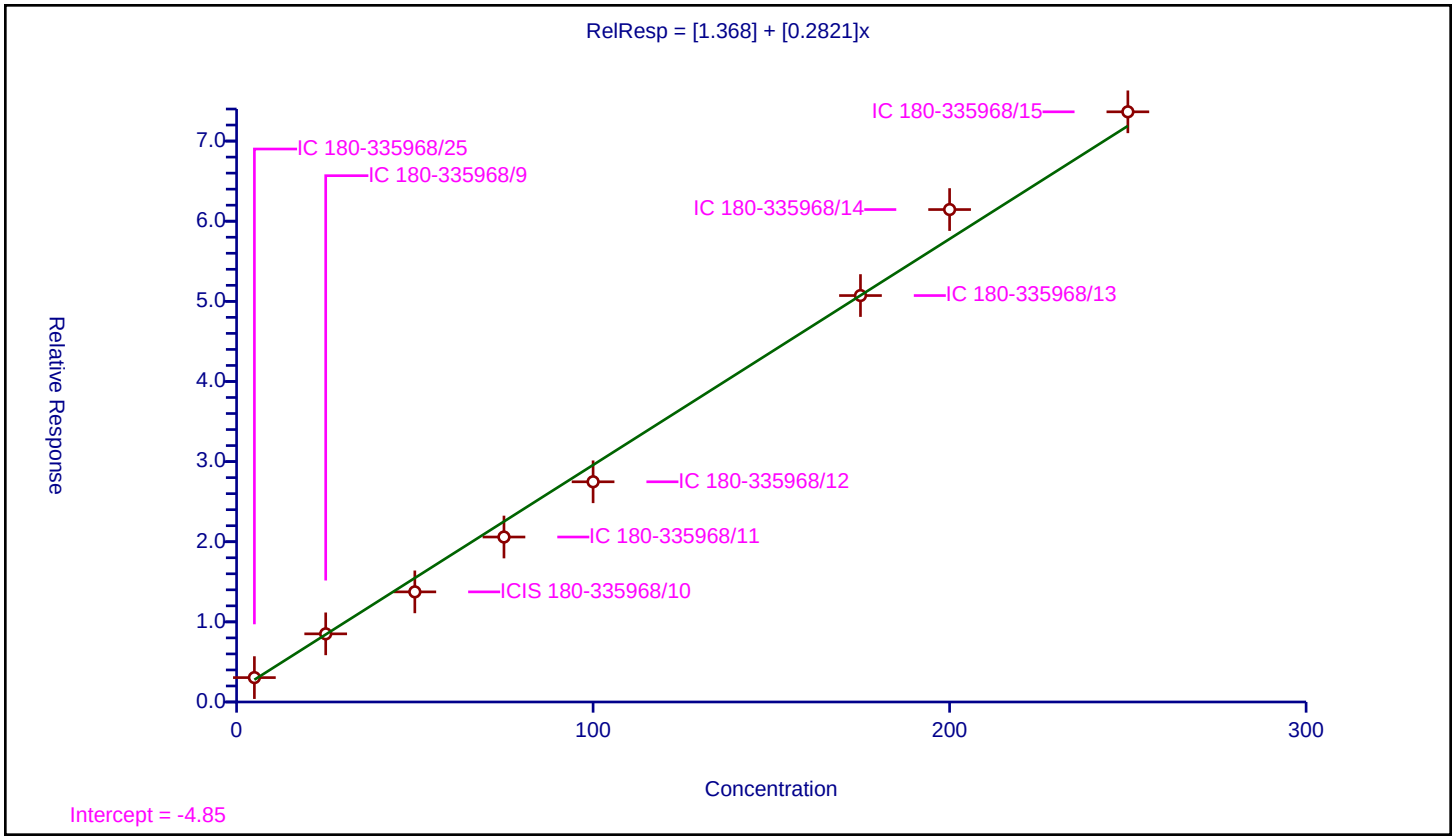
Curve Coefficients

Intercept:	1.368
Slope:	0.2821

Error Coefficients

Standard Error:	556000
Relative Standard Error:	10.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.041803	50.0	399089.0	0.608361	Y
2	IC 180-335968/9	25.0	8.505701	50.0	608098.0	0.340228	Y
3	ICIS 180-335968/10	50.0	13.743417	50.0	659614.0	0.274868	Y
4	IC 180-335968/11	75.0	20.586927	50.0	633929.0	0.274492	Y
5	IC 180-335968/12	100.0	27.48041	50.0	603499.0	0.274804	Y
6	IC 180-335968/13	175.0	50.721455	50.0	557831.0	0.289837	Y
7	IC 180-335968/14	200.0	61.455214	50.0	596785.0	0.307276	Y
8	IC 180-335968/15	250.0	73.651462	50.0	597851.0	0.294606	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

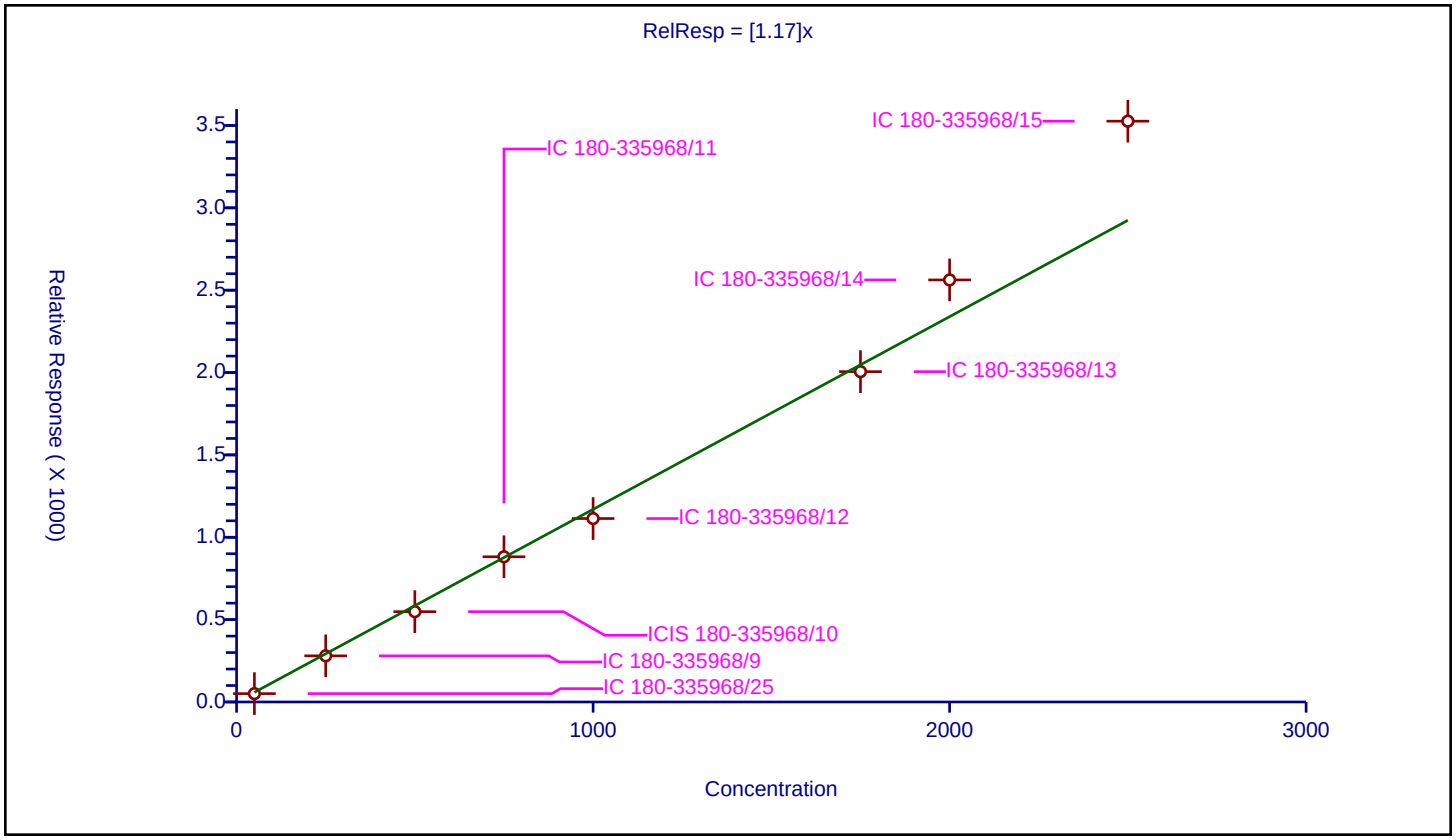
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	456000
Relative Standard Error:	10.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	50.0	50.683049	1000.0	153503.0	1.013661	Y
2	IC 180-335968/9	250.0	280.11595	1000.0	208021.0	1.120464	Y
3	ICIS 180-335968/10	500.0	548.273682	1000.0	216733.0	1.096547	Y
4	IC 180-335968/11	750.0	881.556972	1000.0	216754.0	1.175409	Y
5	IC 180-335968/12	1000.0	1113.775686	1000.0	226094.0	1.113776	Y
6	IC 180-335968/13	1750.0	2005.47951	1000.0	237065.0	1.145988	Y
7	IC 180-335968/14	2000.0	2562.347682	1000.0	252760.0	1.281174	Y
8	IC 180-335968/15	2500.0	3526.223696	1000.0	238315.0	1.410489	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

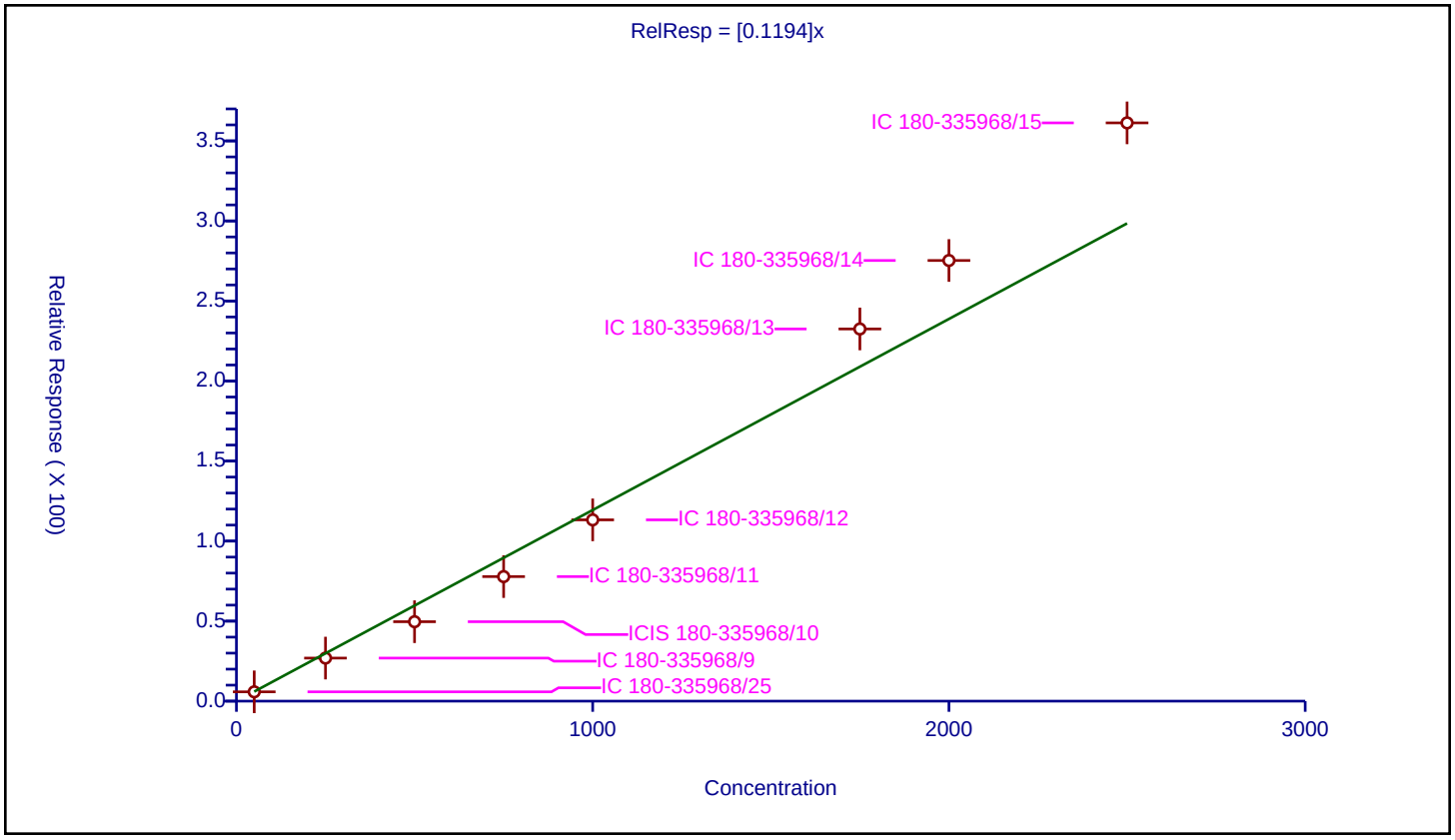
Curve Coefficients

Intercept:	0
Slope:	0.1194

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	14.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	50.0	5.810233	50.0	399089.0	0.116205	Y
2	IC 180-335968/9	250.0	26.903312	50.0	608098.0	0.107613	Y
3	ICIS 180-335968/10	500.0	49.626524	50.0	659614.0	0.099253	Y
4	IC 180-335968/11	750.0	77.805322	50.0	633929.0	0.10374	Y
5	IC 180-335968/12	1000.0	113.250809	50.0	603499.0	0.113251	Y
6	IC 180-335968/13	1750.0	232.506799	50.0	557831.0	0.132861	Y
7	IC 180-335968/14	2000.0	275.294118	50.0	596785.0	0.137647	Y
8	IC 180-335968/15	2500.0	361.267774	50.0	597851.0	0.144507	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

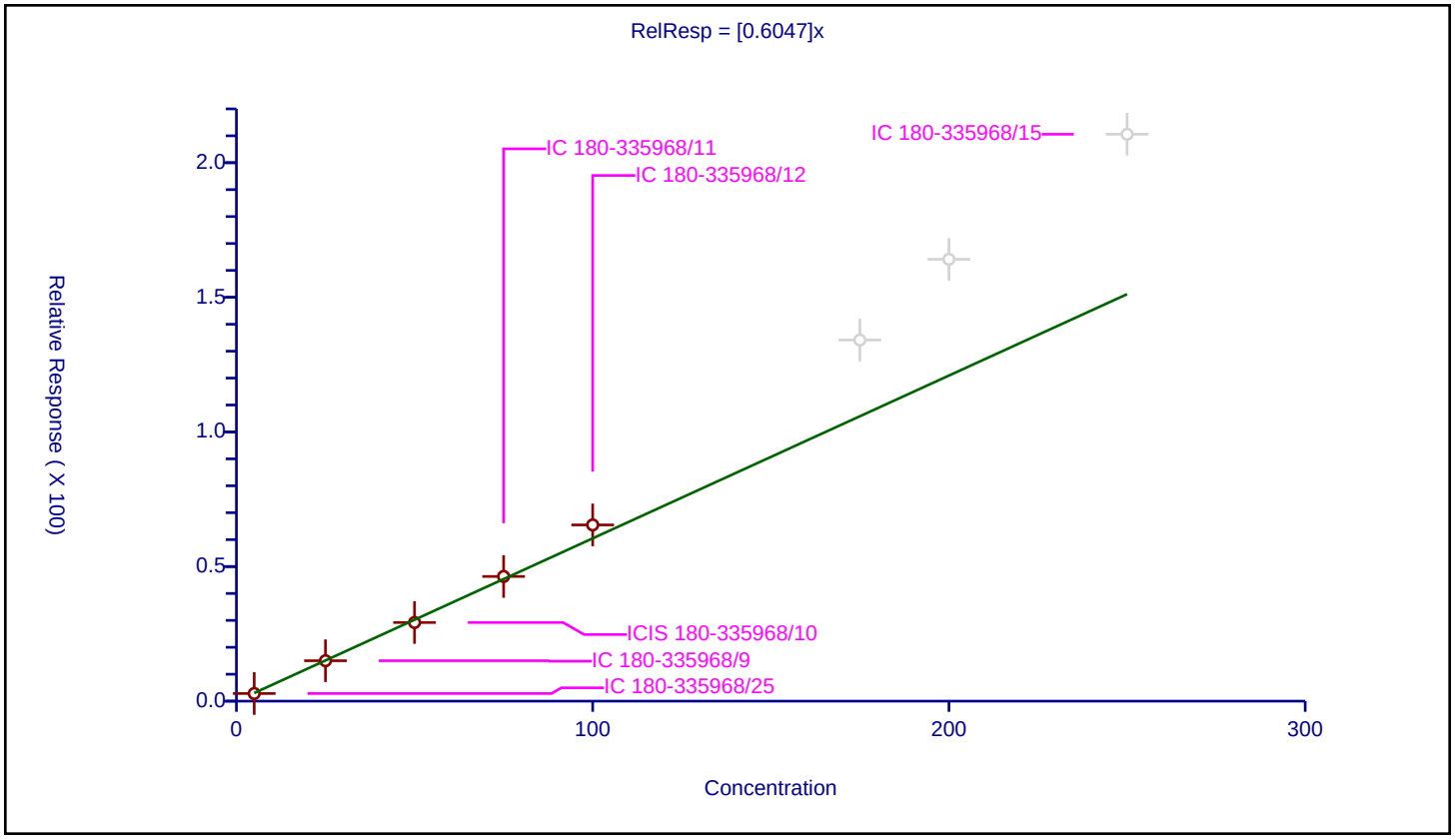
Curve Coefficients

Intercept:	0
Slope:	0.6047

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.832326	50.0	399089.0	0.566465	Y
2	IC 180-335968/9	25.0	15.014274	50.0	608098.0	0.600571	Y
3	ICIS 180-335968/10	50.0	29.211781	50.0	659614.0	0.584236	Y
4	IC 180-335968/11	75.0	46.316543	50.0	633929.0	0.617554	Y
5	IC 180-335968/12	100.0	65.462909	50.0	603499.0	0.654629	Y
6	IC 180-335968/13	175.0	134.145736	50.0	557831.0	0.766547	N
7	IC 180-335968/14	200.0	164.129544	50.0	596785.0	0.820648	N
8	IC 180-335968/15	250.0	210.578221	50.0	597851.0	0.842313	N



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

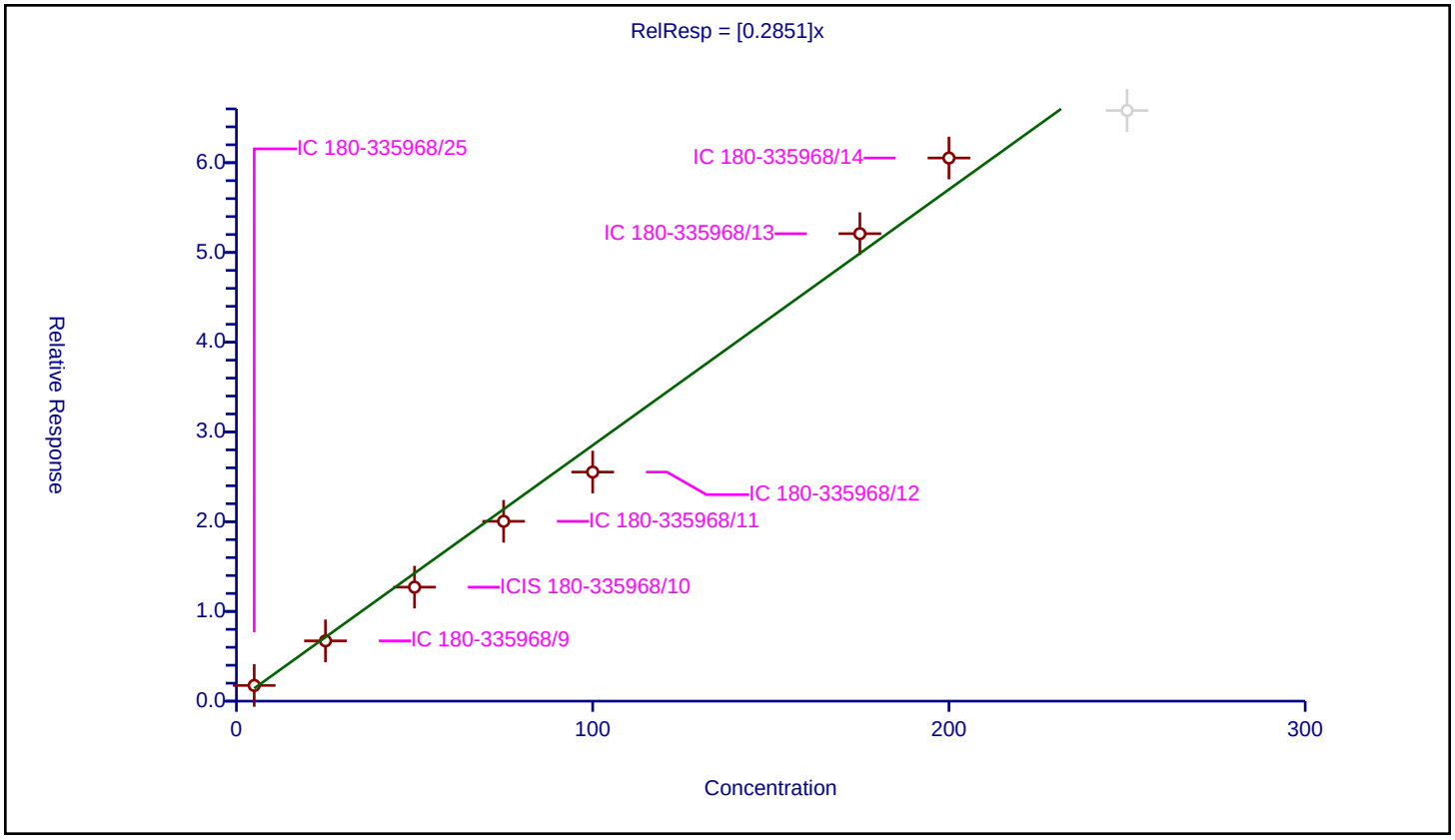
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Standard Error:	419000
Relative Standard Error:	12.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.750612	50.0	399089.0	0.350122	Y
2	IC 180-335968/9	25.0	6.719229	50.0	608098.0	0.268769	Y
3	ICIS 180-335968/10	50.0	12.704172	50.0	659614.0	0.254083	Y
4	IC 180-335968/11	75.0	20.04144	50.0	633929.0	0.267219	Y
5	IC 180-335968/12	100.0	25.531111	50.0	603499.0	0.255311	Y
6	IC 180-335968/13	175.0	52.093017	50.0	557831.0	0.297674	Y
7	IC 180-335968/14	200.0	60.525985	50.0	596785.0	0.30263	Y
8	IC 180-335968/15	250.0	65.818908	50.0	597851.0	0.263276	N



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

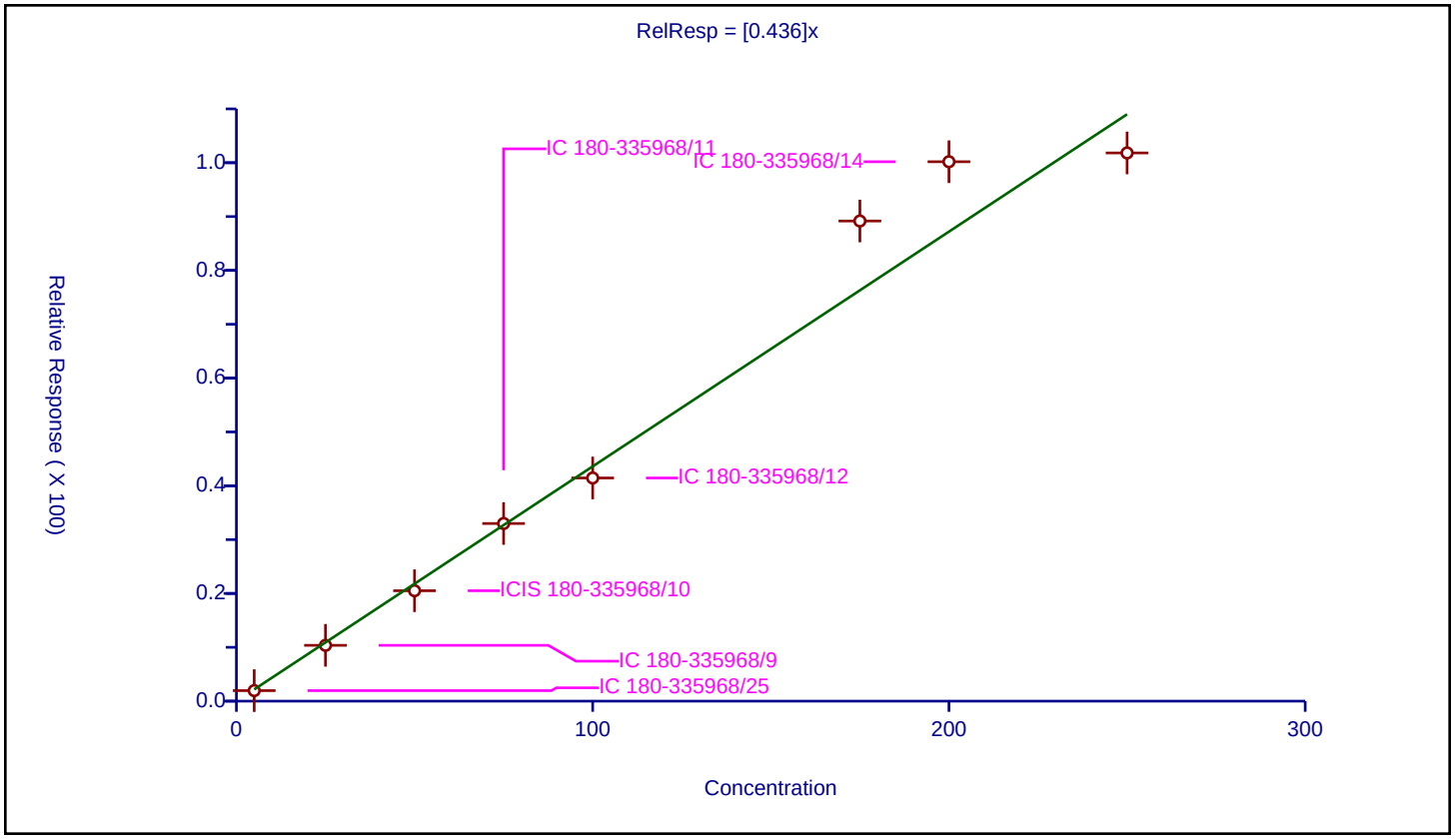
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	794000
Relative Standard Error:	10.3
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.955203	50.0	399089.0	0.391041	Y
2	IC 180-335968/9	25.0	10.363708	50.0	608098.0	0.414548	Y
3	ICIS 180-335968/10	50.0	20.505098	50.0	659614.0	0.410102	Y
4	IC 180-335968/11	75.0	32.9936	50.0	633929.0	0.439915	Y
5	IC 180-335968/12	100.0	41.448702	50.0	603499.0	0.414487	Y
6	IC 180-335968/13	175.0	89.178353	50.0	557831.0	0.509591	Y
7	IC 180-335968/14	200.0	100.185243	50.0	596785.0	0.500926	Y
8	IC 180-335968/15	250.0	101.819266	50.0	597851.0	0.407277	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

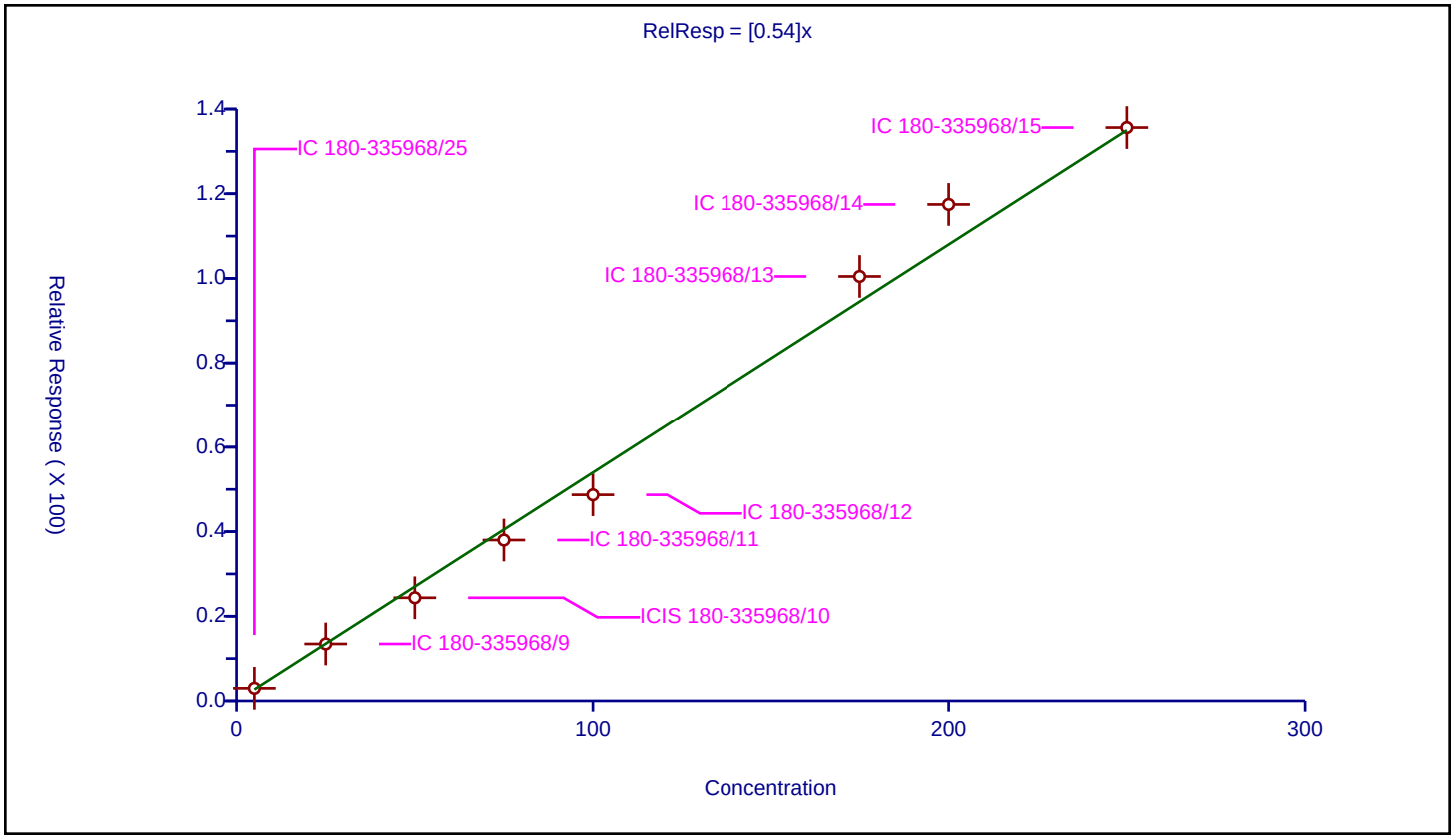
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	968000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.983294	50.0	399089.0	0.596659	Y
2	IC 180-335968/9	25.0	13.454328	50.0	608098.0	0.538173	Y
3	ICIS 180-335968/10	50.0	24.361596	50.0	659614.0	0.487232	Y
4	IC 180-335968/11	75.0	38.010171	50.0	633929.0	0.506802	Y
5	IC 180-335968/12	100.0	48.719882	50.0	603499.0	0.487199	Y
6	IC 180-335968/13	175.0	100.460265	50.0	557831.0	0.574059	Y
7	IC 180-335968/14	200.0	117.474802	50.0	596785.0	0.587374	Y
8	IC 180-335968/15	250.0	135.625264	50.0	597851.0	0.542501	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

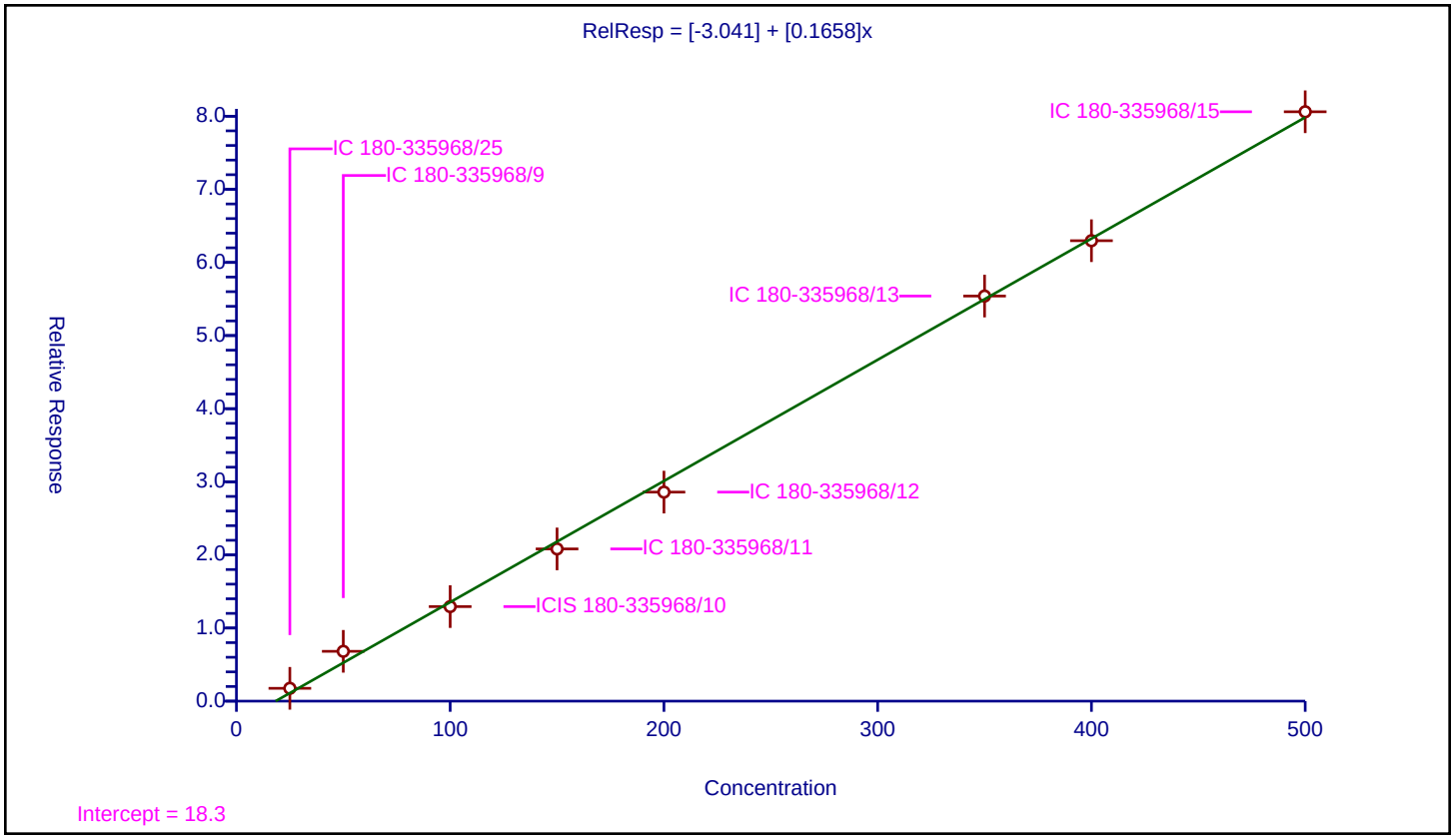
Curve Coefficients

Intercept:	-3.041
Slope:	0.1658

Error Coefficients

Standard Error:	592000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	1.753118	50.0	399089.0	0.070125	Y
2	IC 180-335968/9	50.0	6.81206	50.0	608098.0	0.136241	Y
3	ICIS 180-335968/10	100.0	12.929607	50.0	659614.0	0.129296	Y
4	IC 180-335968/11	150.0	20.819682	50.0	633929.0	0.138798	Y
5	IC 180-335968/12	200.0	28.588531	50.0	603499.0	0.142943	Y
6	IC 180-335968/13	350.0	55.404325	50.0	557831.0	0.158298	Y
7	IC 180-335968/14	400.0	62.972176	50.0	596785.0	0.15743	Y
8	IC 180-335968/15	500.0	80.607794	50.0	597851.0	0.161216	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

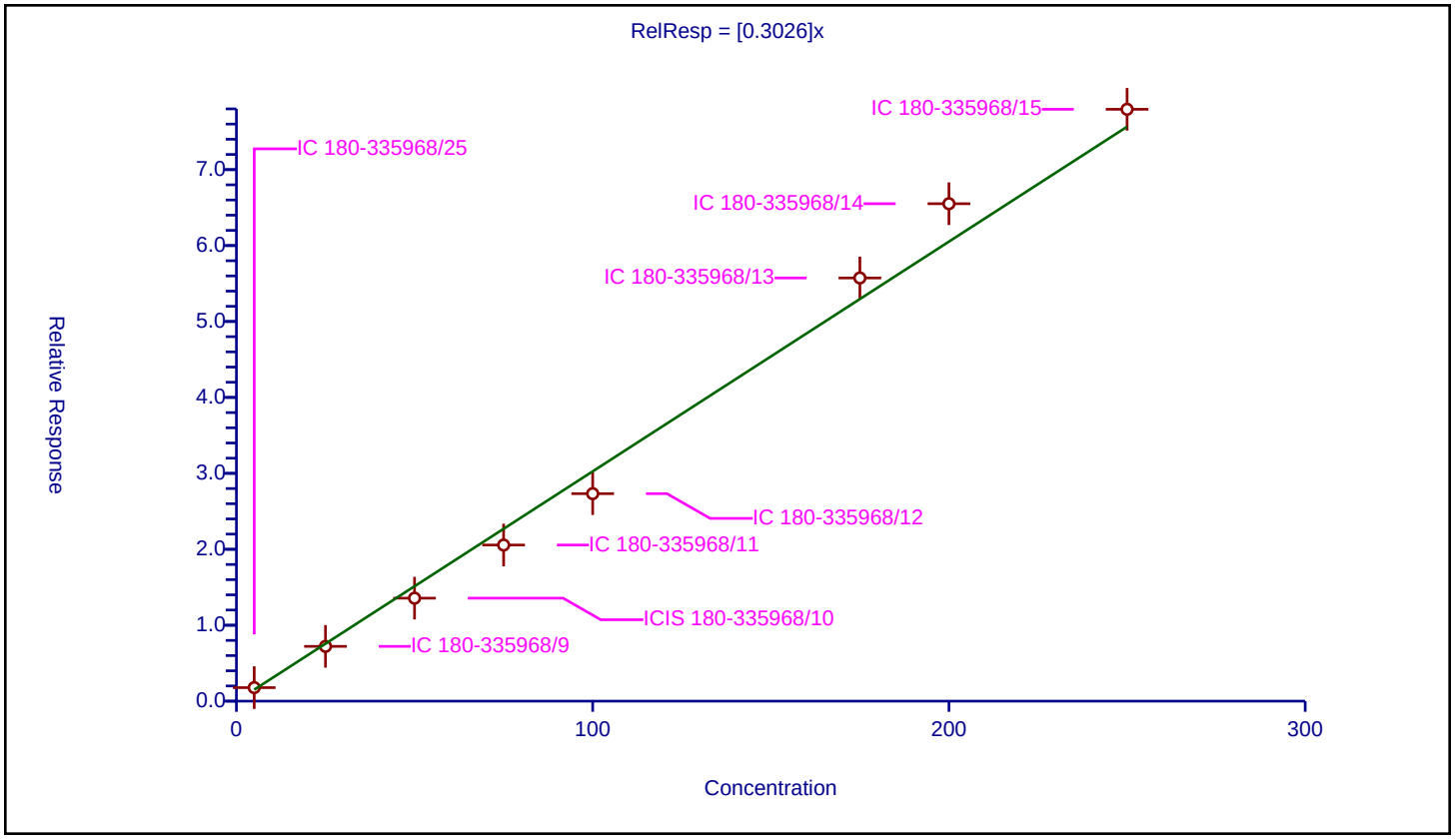
Curve Coefficients

Intercept:	0
Slope:	0.3026

Error Coefficients

Standard Error:	545000
Relative Standard Error:	10.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.778676	50.0	399089.0	0.355735	Y
2	IC 180-335968/9	25.0	7.214791	50.0	608098.0	0.288592	Y
3	ICIS 180-335968/10	50.0	13.563387	50.0	659614.0	0.271268	Y
4	IC 180-335968/11	75.0	20.560347	50.0	633929.0	0.274138	Y
5	IC 180-335968/12	100.0	27.325729	50.0	603499.0	0.273257	Y
6	IC 180-335968/13	175.0	55.733098	50.0	557831.0	0.318475	Y
7	IC 180-335968/14	200.0	65.510779	50.0	596785.0	0.327554	Y
8	IC 180-335968/15	250.0	77.946846	50.0	597851.0	0.311787	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

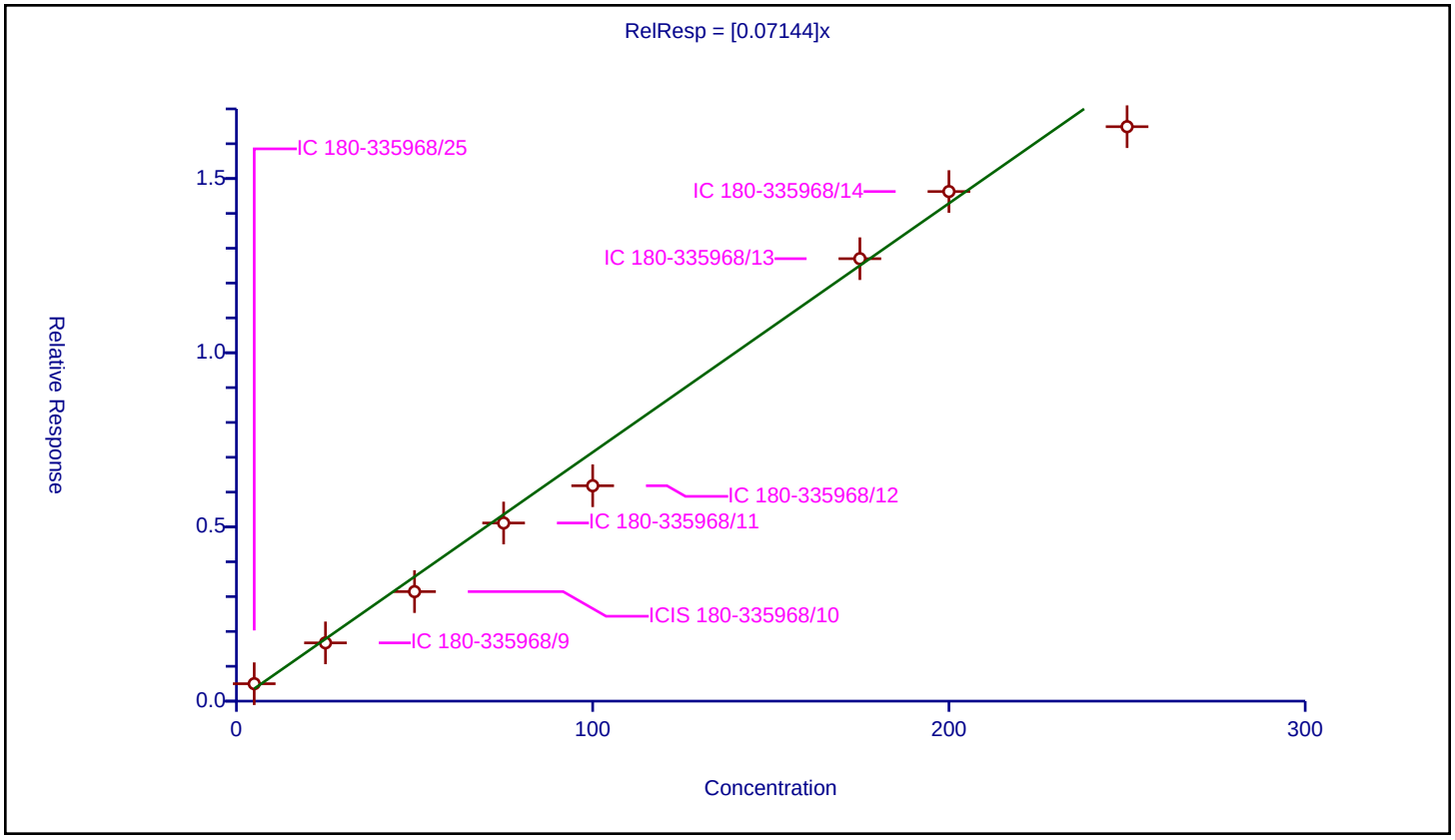
Curve Coefficients

Intercept:	0
Slope:	0.07144

Error Coefficients

Standard Error:	120000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.500515	50.0	399089.0	0.100103	Y
2	IC 180-335968/9	25.0	1.672346	50.0	608098.0	0.066894	Y
3	ICIS 180-335968/10	50.0	3.143733	50.0	659614.0	0.062875	Y
4	IC 180-335968/11	75.0	5.11327	50.0	633929.0	0.068177	Y
5	IC 180-335968/12	100.0	6.182612	50.0	603499.0	0.061826	Y
6	IC 180-335968/13	175.0	12.700083	50.0	557831.0	0.072572	Y
7	IC 180-335968/14	200.0	14.627462	50.0	596785.0	0.073137	Y
8	IC 180-335968/15	250.0	16.489058	50.0	597851.0	0.065956	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

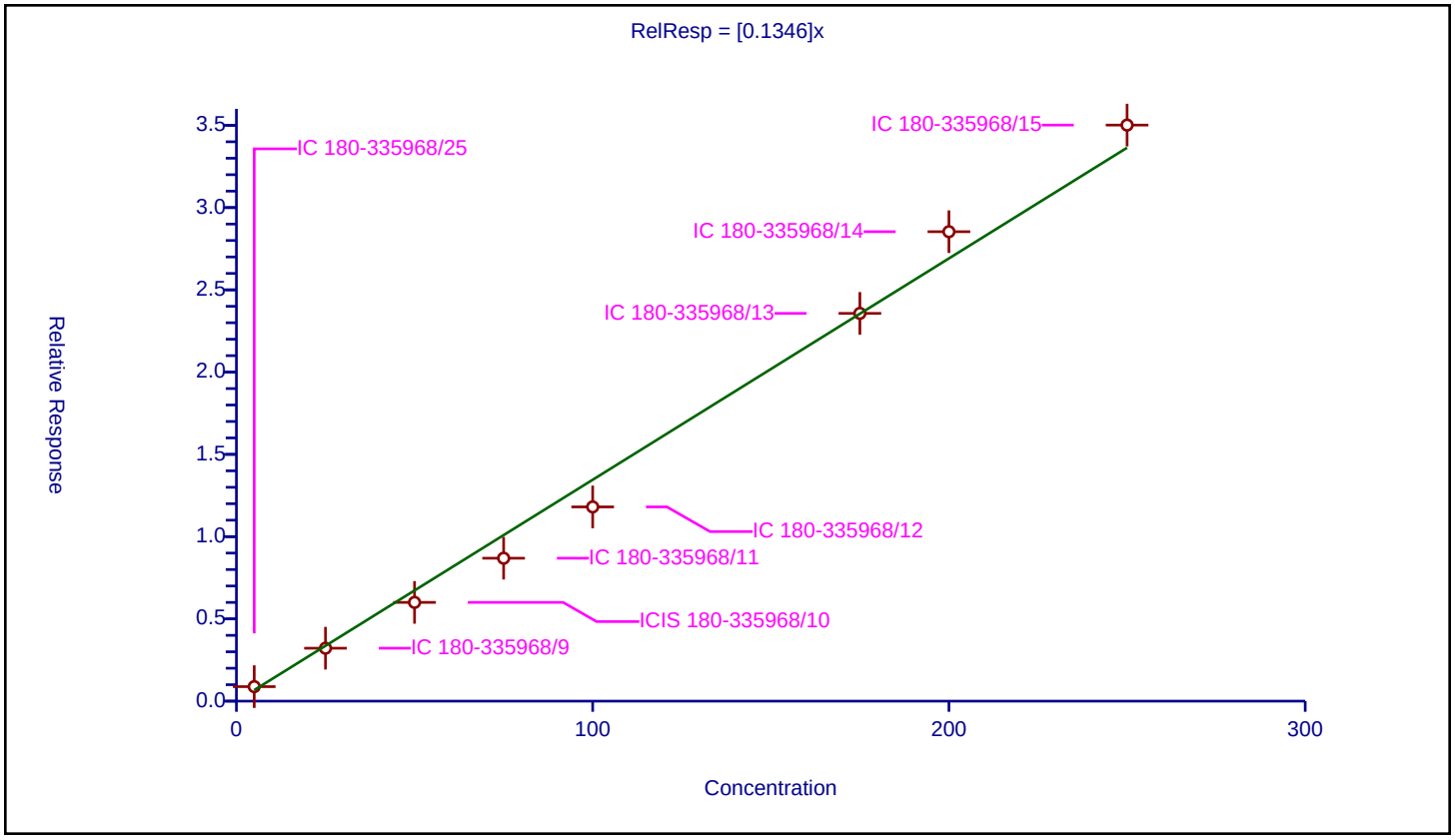
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Standard Error:	239000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.881883	50.0	399089.0	0.176377	Y
2	IC 180-335968/9	25.0	3.217573	50.0	608098.0	0.128703	Y
3	ICIS 180-335968/10	50.0	6.002147	50.0	659614.0	0.120043	Y
4	IC 180-335968/11	75.0	8.687803	50.0	633929.0	0.115837	Y
5	IC 180-335968/12	100.0	11.806399	50.0	603499.0	0.118064	Y
6	IC 180-335968/13	175.0	23.569594	50.0	557831.0	0.134683	Y
7	IC 180-335968/14	200.0	28.53557	50.0	596785.0	0.142678	Y
8	IC 180-335968/15	250.0	35.015832	50.0	597851.0	0.140063	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

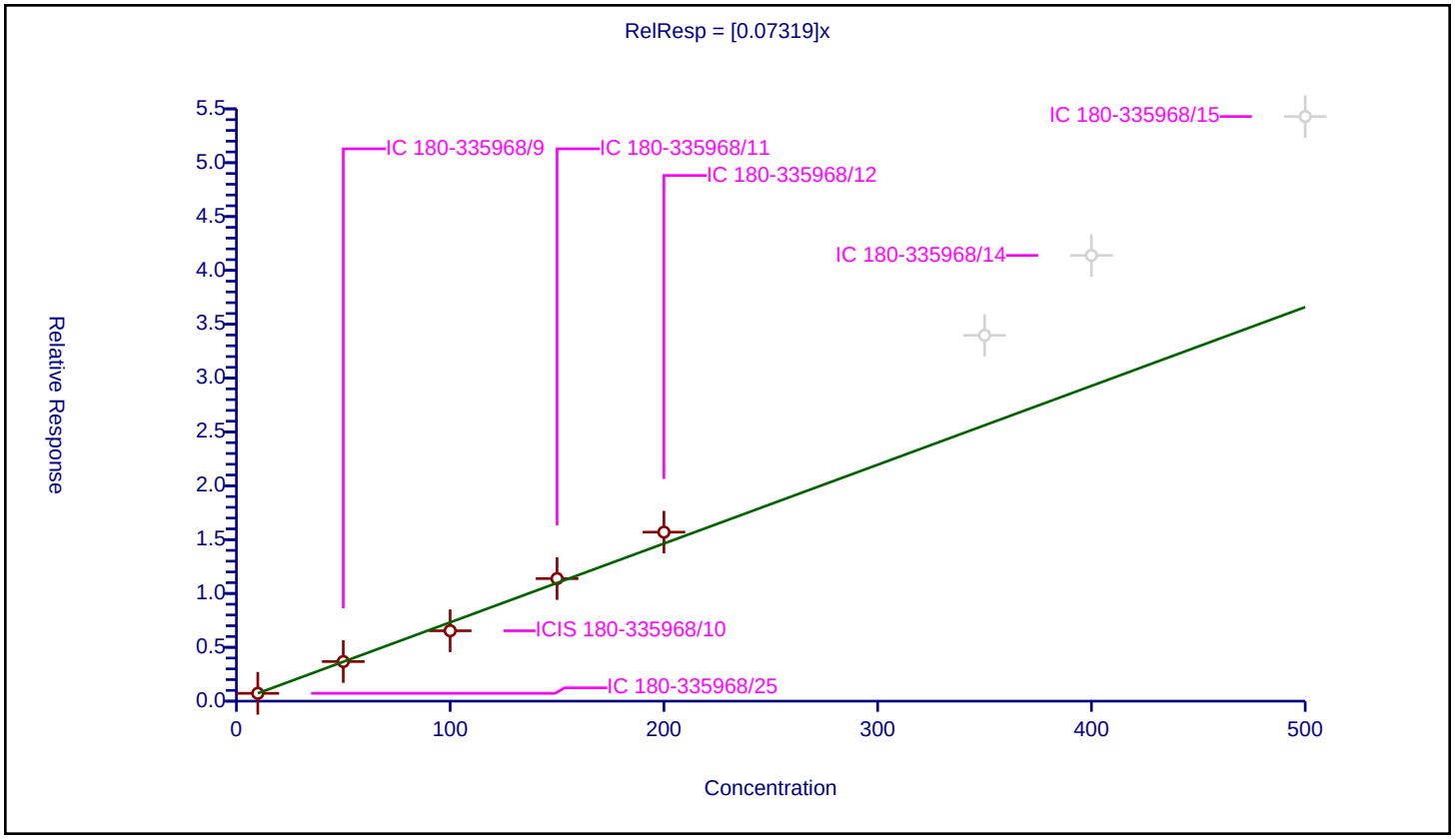
Curve Coefficients

Intercept:	0
Slope:	0.07319

Error Coefficients

Standard Error:	129000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	10.0	0.726655	50.0	399089.0	0.072665	Y
2	IC 180-335968/9	50.0	3.677532	50.0	608098.0	0.073551	Y
3	ICIS 180-335968/10	100.0	6.53602	50.0	659614.0	0.06536	Y
4	IC 180-335968/11	150.0	11.381164	50.0	633929.0	0.075874	Y
5	IC 180-335968/12	200.0	15.696132	50.0	603499.0	0.078481	Y
6	IC 180-335968/13	350.0	33.970235	50.0	557831.0	0.097058	N
7	IC 180-335968/14	400.0	41.392964	50.0	596785.0	0.103482	N
8	IC 180-335968/15	500.0	54.291454	50.0	597851.0	0.108583	N



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

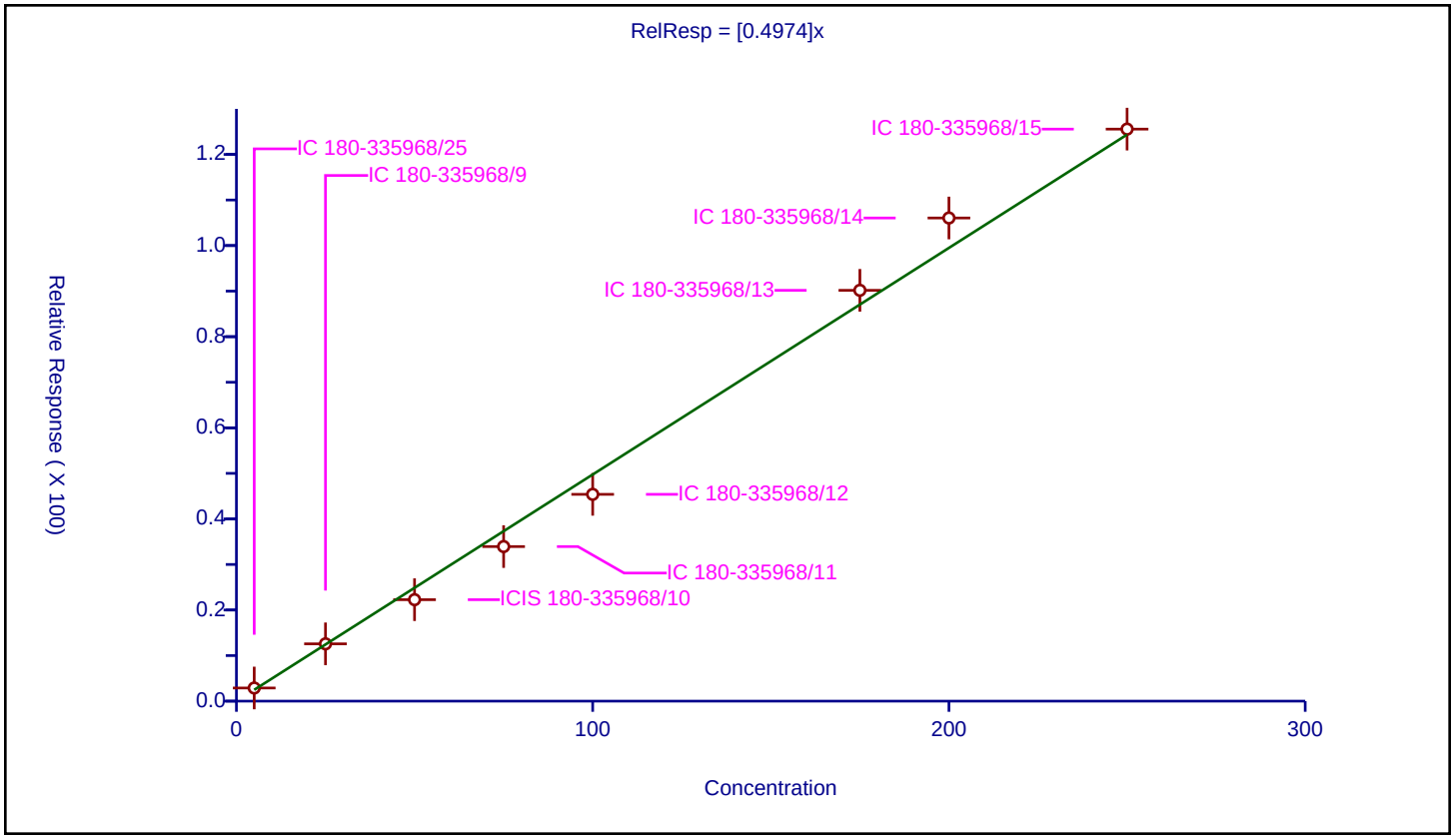
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	883000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.884068	50.0	399089.0	0.576814	Y
2	IC 180-335968/9	25.0	12.575276	50.0	608098.0	0.503011	Y
3	ICIS 180-335968/10	50.0	22.272723	50.0	659614.0	0.445454	Y
4	IC 180-335968/11	75.0	33.931008	50.0	633929.0	0.452413	Y
5	IC 180-335968/12	100.0	45.391625	50.0	603499.0	0.453916	Y
6	IC 180-335968/13	175.0	90.176864	50.0	557831.0	0.515296	Y
7	IC 180-335968/14	200.0	106.055196	50.0	596785.0	0.530276	Y
8	IC 180-335968/15	250.0	125.563309	50.0	597851.0	0.502253	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

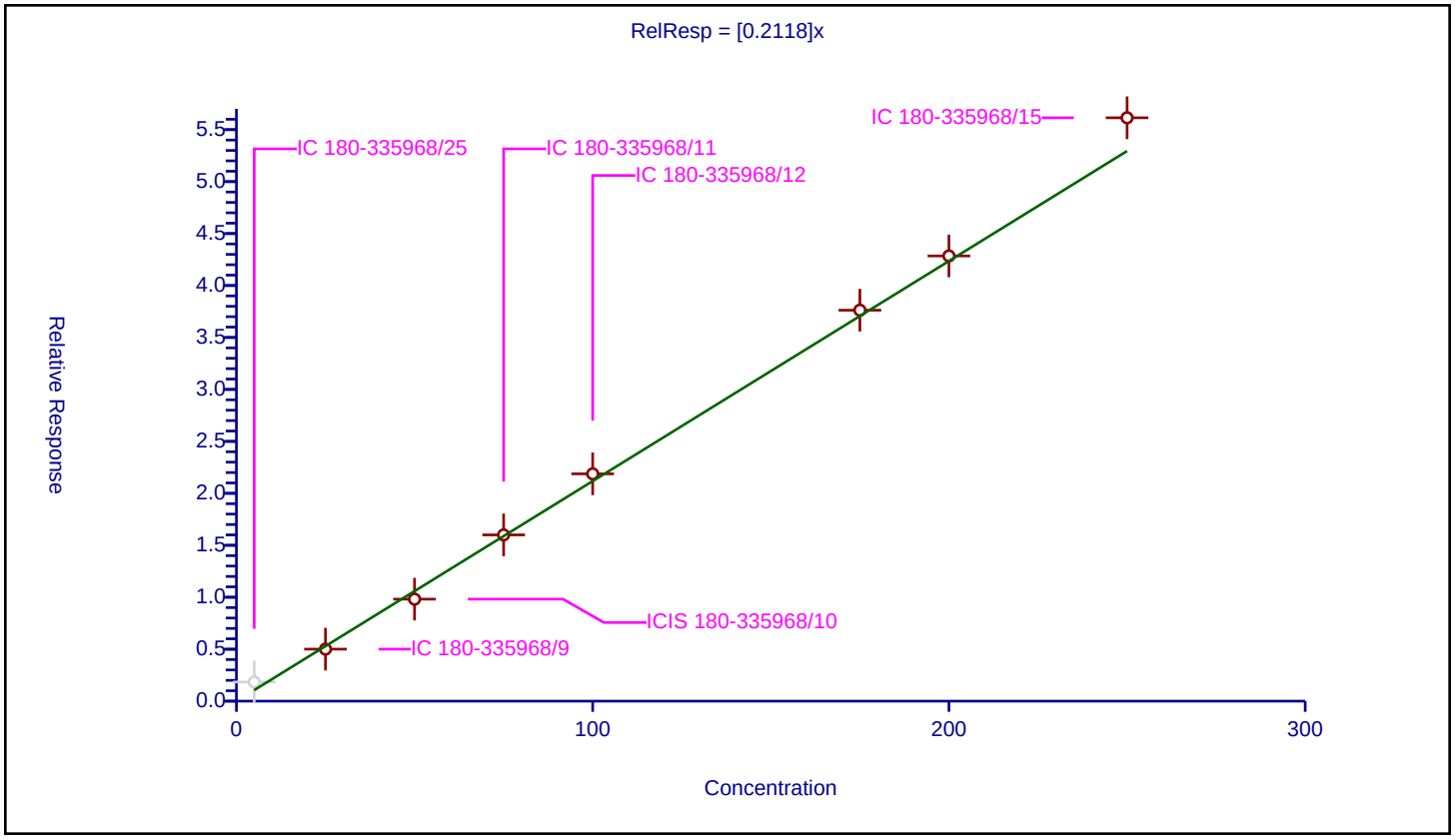
Curve Coefficients

Intercept:	0
Slope:	0.2118

Error Coefficients

Standard Error:	412000
Relative Standard Error:	4.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.842321	50.0	399089.0	0.368464	N
2	IC 180-335968/9	25.0	5.005114	50.0	608098.0	0.200205	Y
3	ICIS 180-335968/10	50.0	9.815059	50.0	659614.0	0.196301	Y
4	IC 180-335968/11	75.0	15.99911	50.0	633929.0	0.213321	Y
5	IC 180-335968/12	100.0	21.877998	50.0	603499.0	0.21878	Y
6	IC 180-335968/13	175.0	37.627077	50.0	557831.0	0.215012	Y
7	IC 180-335968/14	200.0	42.848011	50.0	596785.0	0.21424	Y
8	IC 180-335968/15	250.0	56.142668	50.0	597851.0	0.224571	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

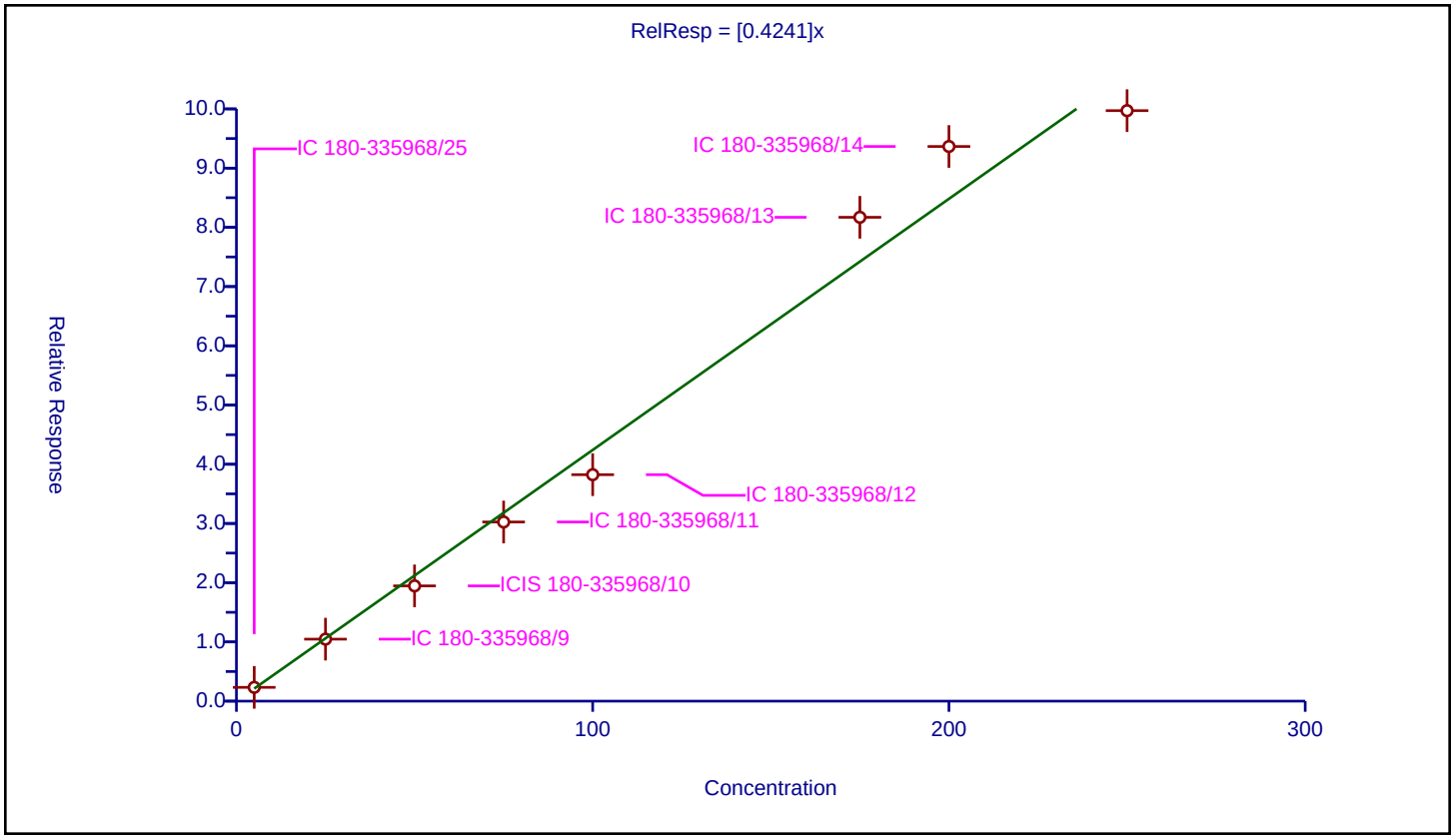
Curve Coefficients

Intercept:	0
Slope:	0.4241

Error Coefficients

Standard Error:	751000
Relative Standard Error:	8.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.325045	50.0	399089.0	0.465009	Y
2	IC 180-335968/9	25.0	10.466981	50.0	608098.0	0.418679	Y
3	ICIS 180-335968/10	50.0	19.462671	50.0	659614.0	0.389253	Y
4	IC 180-335968/11	75.0	30.251258	50.0	633929.0	0.40335	Y
5	IC 180-335968/12	100.0	38.234612	50.0	603499.0	0.382346	Y
6	IC 180-335968/13	175.0	81.69831	50.0	557831.0	0.466847	Y
7	IC 180-335968/14	200.0	93.652991	50.0	596785.0	0.468265	Y
8	IC 180-335968/15	250.0	99.701849	50.0	597851.0	0.398807	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

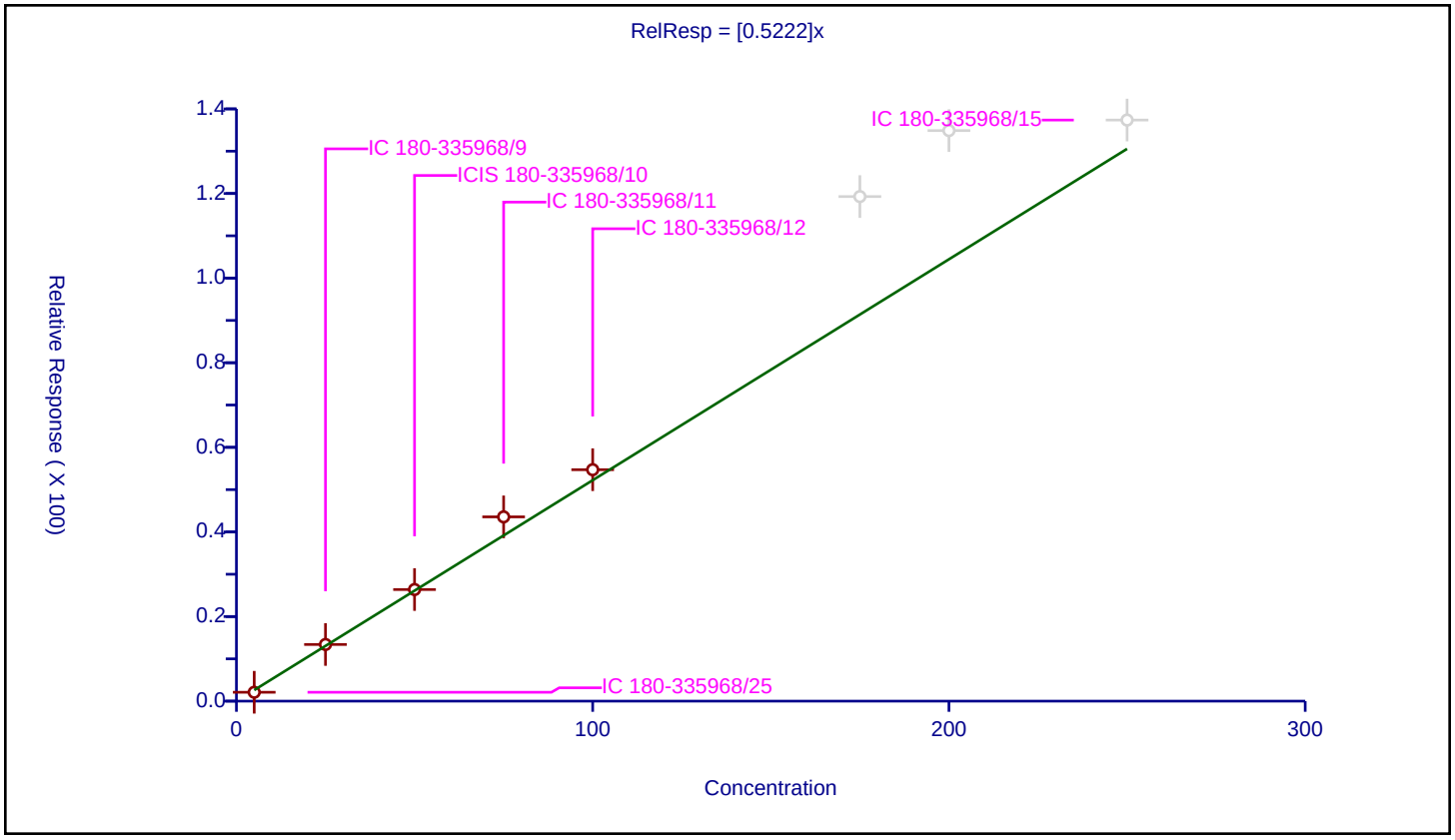
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Standard Error:	471000
Relative Standard Error:	11.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.099281	50.0	399089.0	0.419856	Y
2	IC 180-335968/9	25.0	13.394634	50.0	608098.0	0.535785	Y
3	ICIS 180-335968/10	50.0	26.380201	50.0	659614.0	0.527604	Y
4	IC 180-335968/11	75.0	43.557402	50.0	633929.0	0.580765	Y
5	IC 180-335968/12	100.0	54.707961	50.0	603499.0	0.54708	Y
6	IC 180-335968/13	175.0	119.272683	50.0	557831.0	0.681558	N
7	IC 180-335968/14	200.0	134.866912	50.0	596785.0	0.674335	N
8	IC 180-335968/15	250.0	137.363657	50.0	597851.0	0.549455	N



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

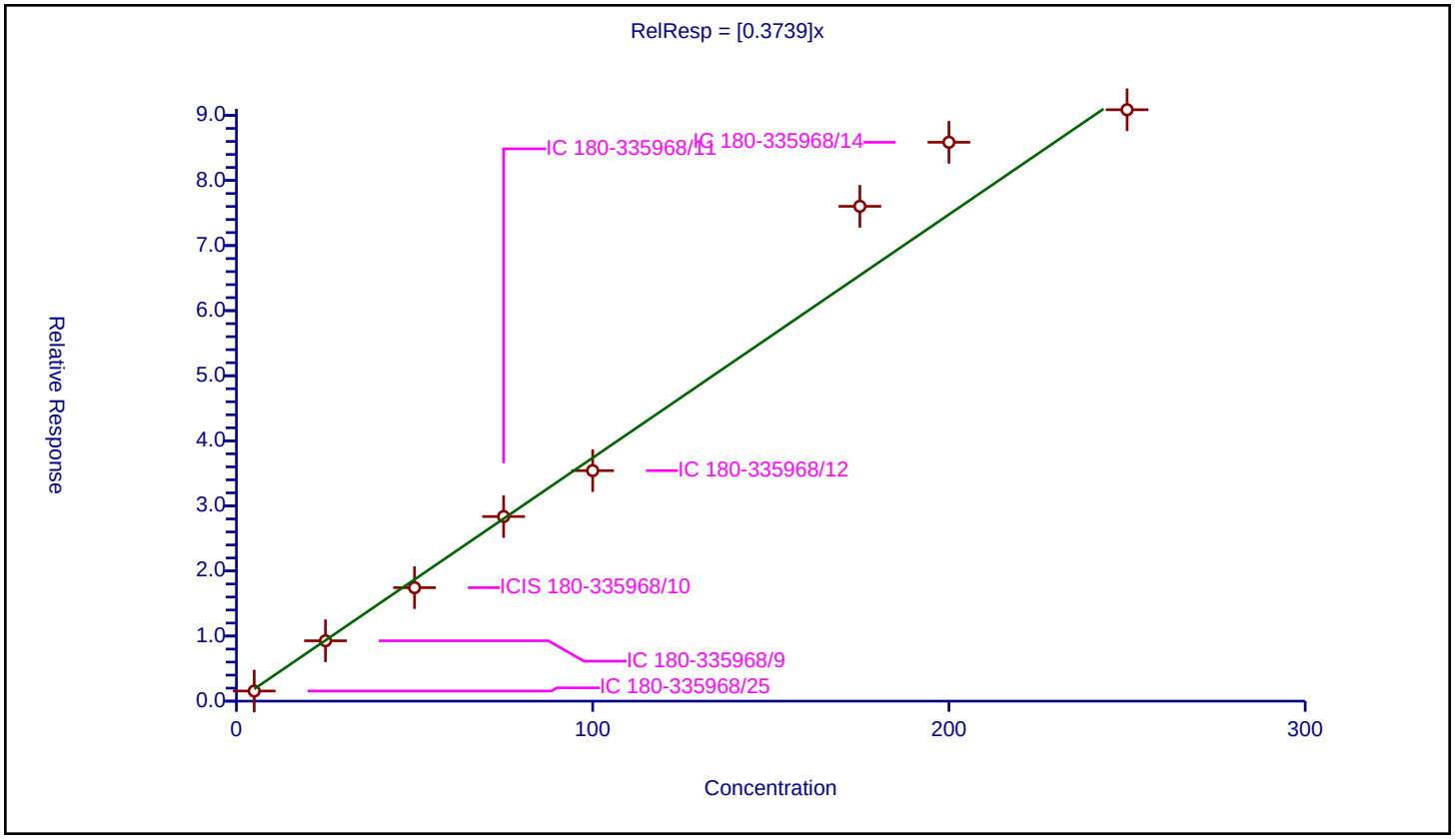
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Standard Error:	689000
Relative Standard Error:	11.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.558299	50.0	399089.0	0.31166	Y
2	IC 180-335968/9	25.0	9.274245	50.0	608098.0	0.37097	Y
3	ICIS 180-335968/10	50.0	17.433984	50.0	659614.0	0.34868	Y
4	IC 180-335968/11	75.0	28.365953	50.0	633929.0	0.378213	Y
5	IC 180-335968/12	100.0	35.415552	50.0	603499.0	0.354156	Y
6	IC 180-335968/13	175.0	76.030375	50.0	557831.0	0.434459	Y
7	IC 180-335968/14	200.0	85.870791	50.0	596785.0	0.429354	Y
8	IC 180-335968/15	250.0	90.869464	50.0	597851.0	0.363478	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

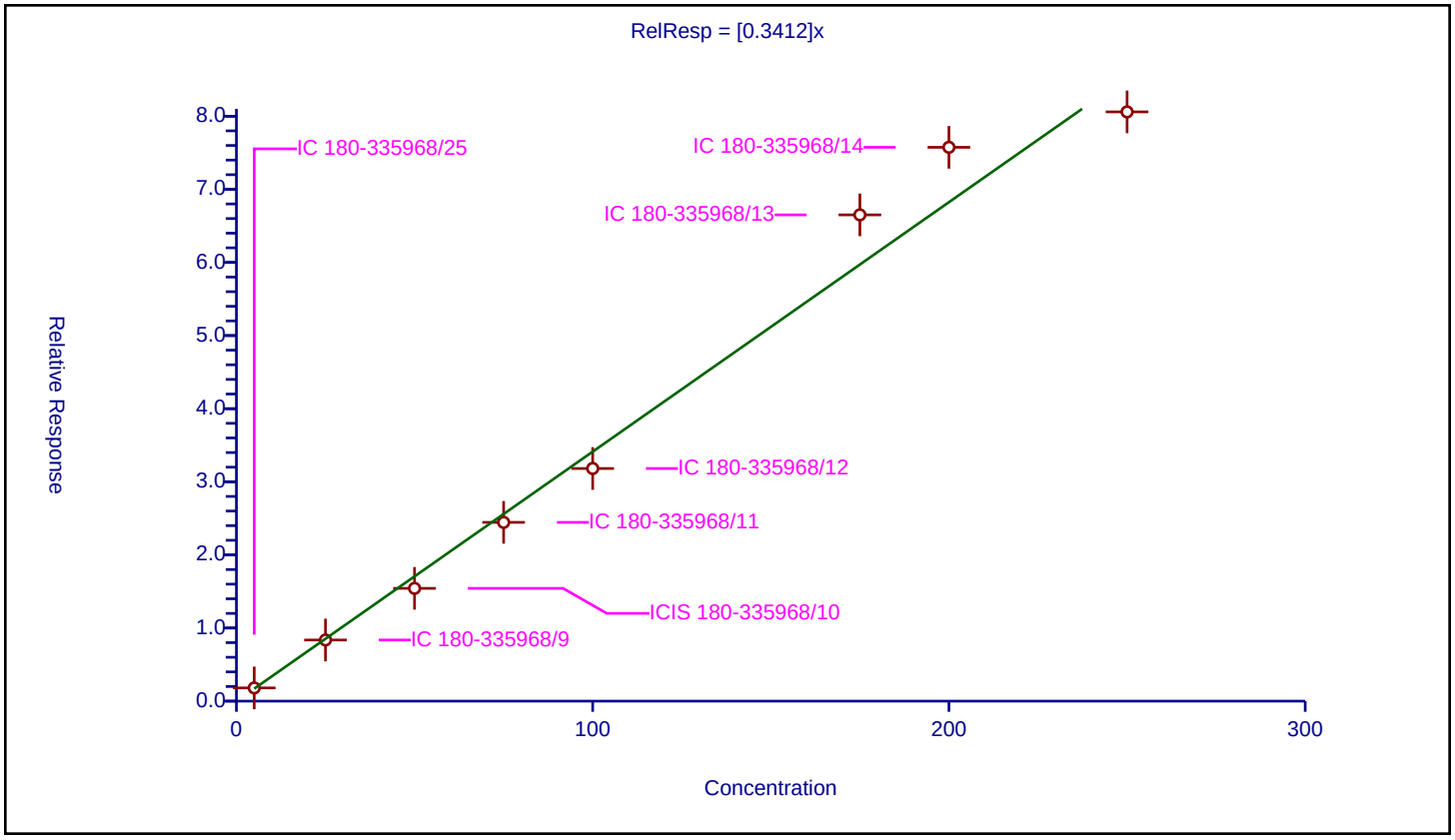
Curve Coefficients

Intercept:	0
Slope:	0.3412

Error Coefficients

Standard Error:	608000
Relative Standard Error:	8.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.806865	50.0	399089.0	0.361373	Y
2	IC 180-335968/9	25.0	8.362221	50.0	608098.0	0.334489	Y
3	ICIS 180-335968/10	50.0	15.424703	50.0	659614.0	0.308494	Y
4	IC 180-335968/11	75.0	24.450214	50.0	633929.0	0.326003	Y
5	IC 180-335968/12	100.0	31.816208	50.0	603499.0	0.318162	Y
6	IC 180-335968/13	175.0	66.506971	50.0	557831.0	0.38004	Y
7	IC 180-335968/14	200.0	75.744782	50.0	596785.0	0.378724	Y
8	IC 180-335968/15	250.0	80.593492	50.0	597851.0	0.322374	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

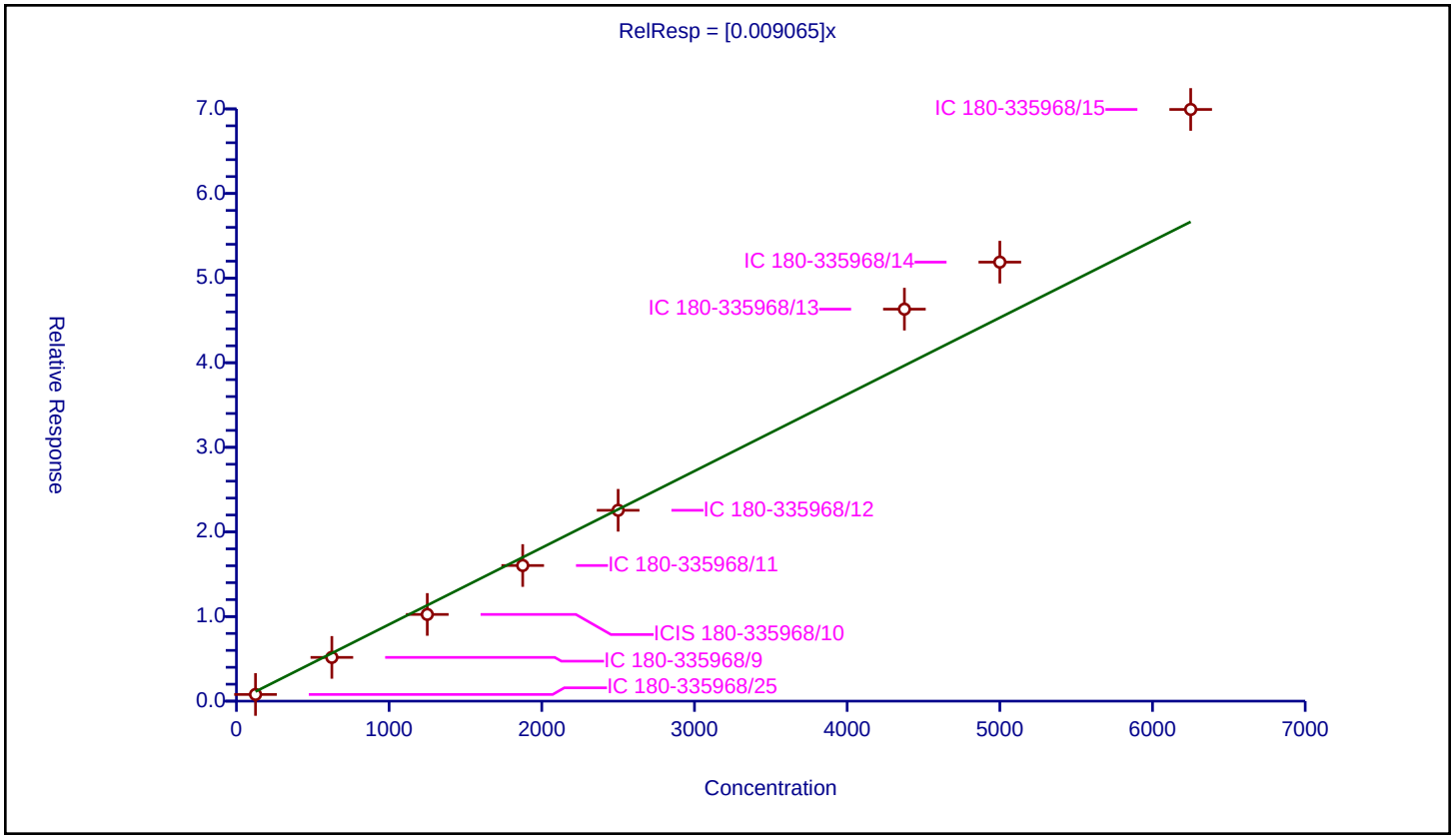
Curve Coefficients

Intercept:	0
Slope:	0.009065

Error Coefficients

Standard Error:	461000
Relative Standard Error:	17.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	125.0	0.789548	50.0	399089.0	0.006316	Y
2	IC 180-335968/9	625.0	5.171535	50.0	608098.0	0.008274	Y
3	ICIS 180-335968/10	1250.0	10.249631	50.0	659614.0	0.0082	Y
4	IC 180-335968/11	1875.0	16.031212	50.0	633929.0	0.00855	Y
5	IC 180-335968/12	2500.0	22.55563	50.0	603499.0	0.009022	Y
6	IC 180-335968/13	4375.0	46.329623	50.0	557831.0	0.01059	Y
7	IC 180-335968/14	5000.0	51.885269	50.0	596785.0	0.010377	Y
8	IC 180-335968/15	6250.0	69.935067	50.0	597851.0	0.01119	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

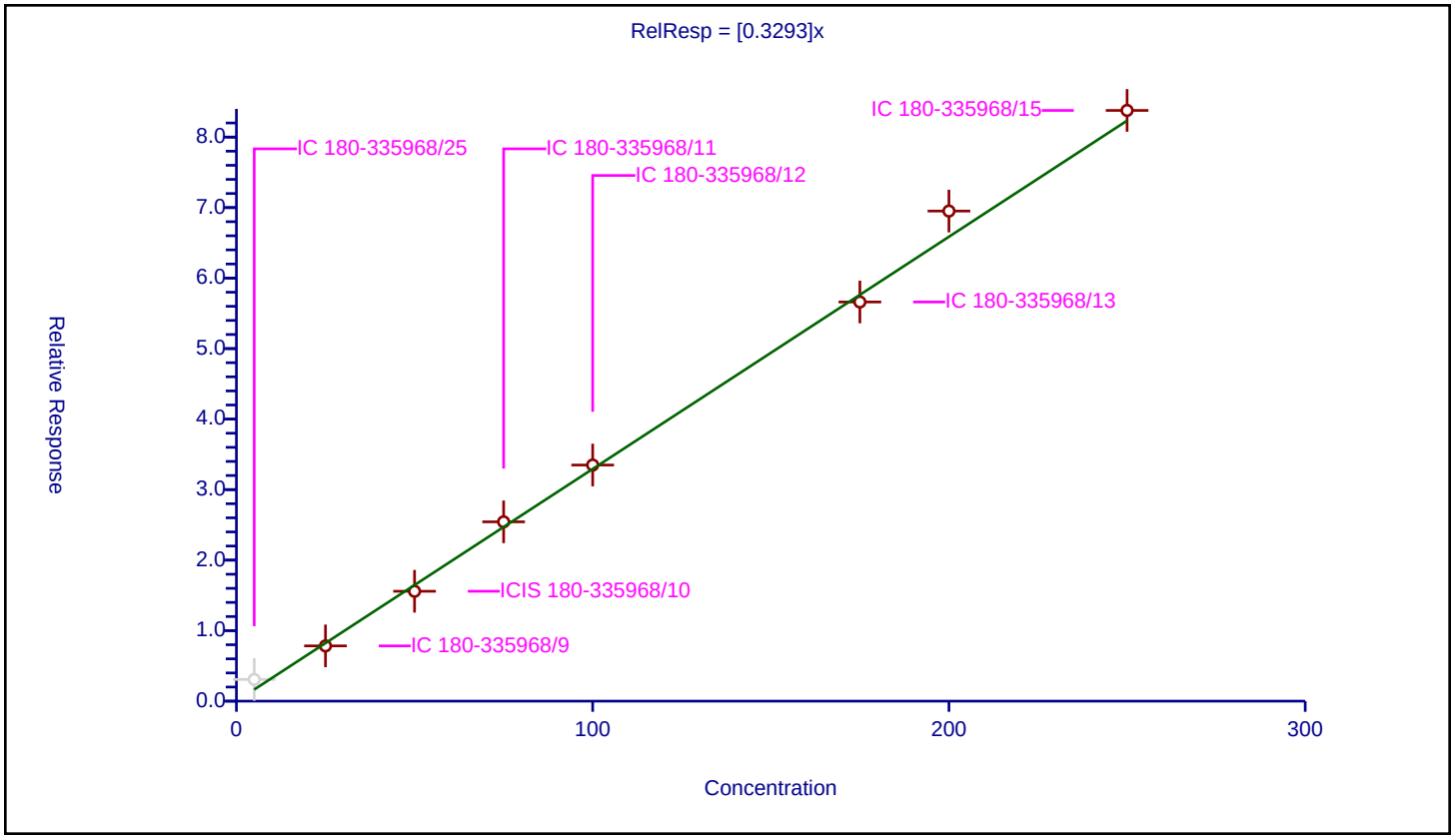
Curve Coefficients

Intercept:	0
Slope:	0.3293

Error Coefficients

Standard Error:	634000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.07776	50.0	399089.0	0.615552	N
2	IC 180-335968/9	25.0	7.834675	50.0	608098.0	0.313387	Y
3	ICIS 180-335968/10	50.0	15.583963	50.0	659614.0	0.311679	Y
4	IC 180-335968/11	75.0	25.432422	50.0	633929.0	0.339099	Y
5	IC 180-335968/12	100.0	33.487297	50.0	603499.0	0.334873	Y
6	IC 180-335968/13	175.0	56.612487	50.0	557831.0	0.3235	Y
7	IC 180-335968/14	200.0	69.510544	50.0	596785.0	0.347553	Y
8	IC 180-335968/15	250.0	83.782079	50.0	597851.0	0.335128	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

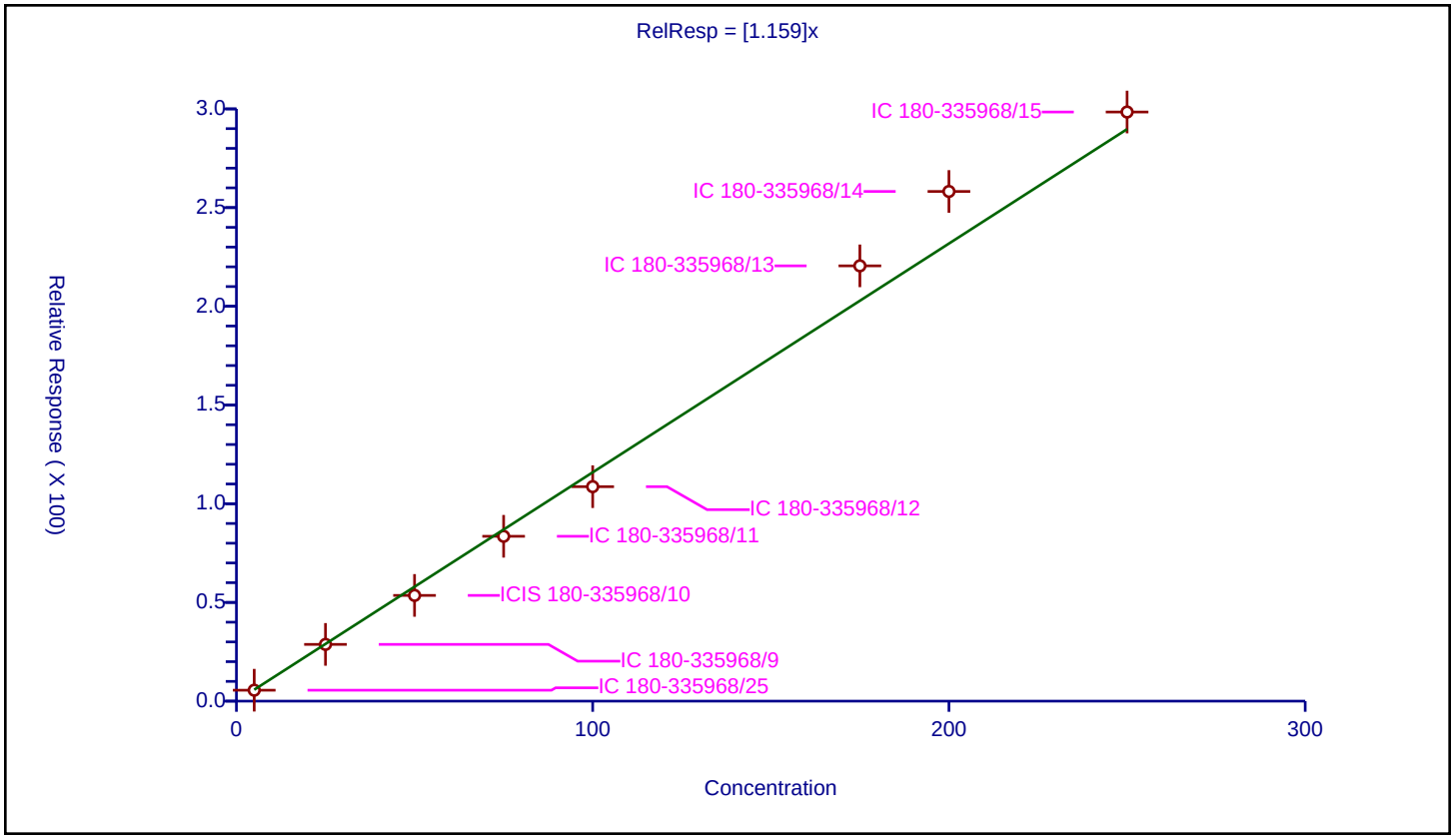
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.531473	50.0	399089.0	1.106295	Y
2	IC 180-335968/9	25.0	28.740351	50.0	608098.0	1.149614	Y
3	ICIS 180-335968/10	50.0	53.558521	50.0	659614.0	1.07117	Y
4	IC 180-335968/11	75.0	83.505172	50.0	633929.0	1.113402	Y
5	IC 180-335968/12	100.0	108.641108	50.0	603499.0	1.086411	Y
6	IC 180-335968/13	175.0	220.502088	50.0	557831.0	1.260012	Y
7	IC 180-335968/14	200.0	258.170447	50.0	596785.0	1.290852	Y
8	IC 180-335968/15	250.0	298.420175	50.0	597851.0	1.193681	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

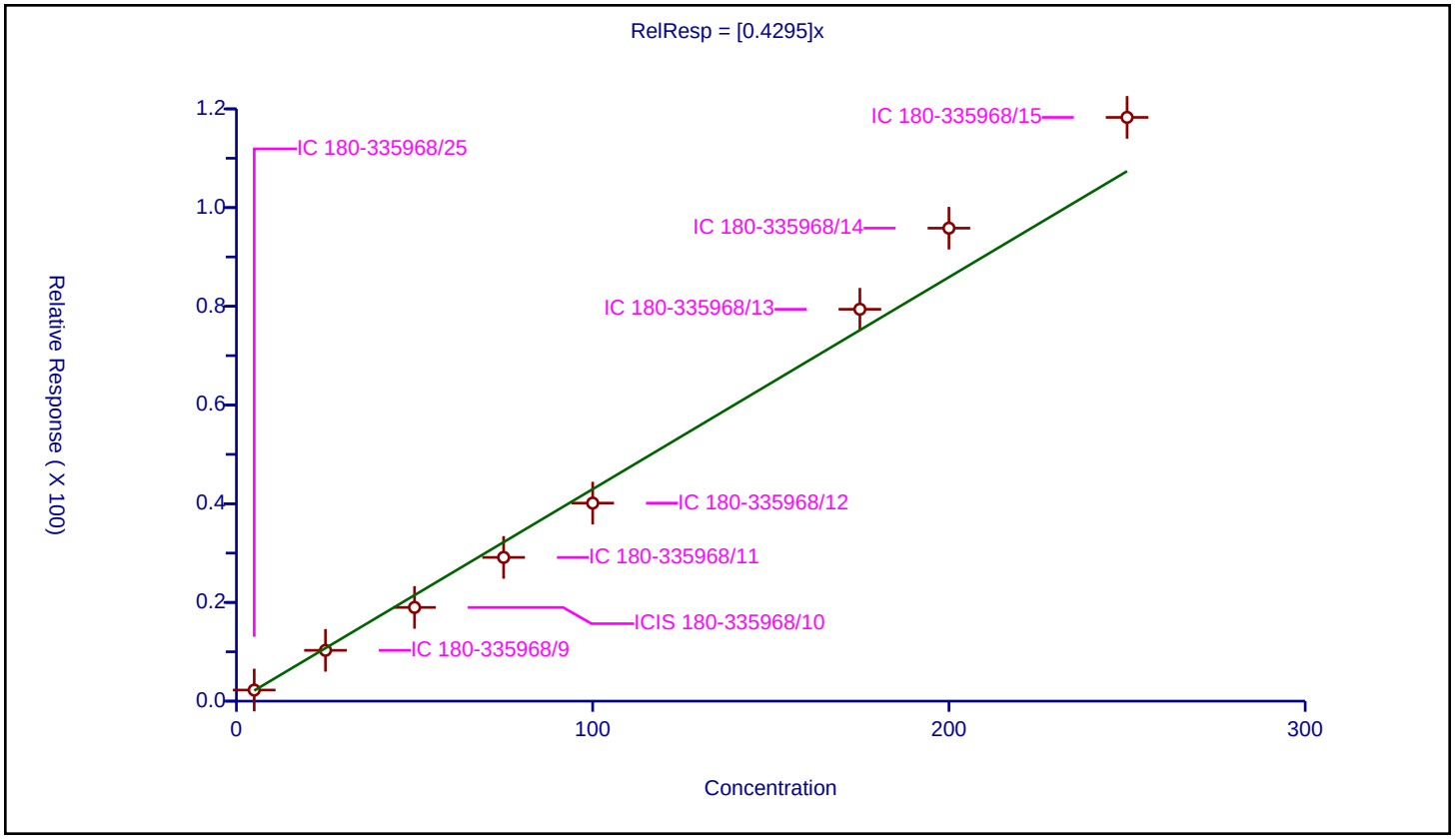
Curve Coefficients

Intercept:	0
Slope:	0.4295

Error Coefficients

Standard Error:	806000
Relative Standard Error:	9.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.244988	50.0	399089.0	0.448998	Y
2	IC 180-335968/9	25.0	10.293242	50.0	608098.0	0.41173	Y
3	ICIS 180-335968/10	50.0	18.989818	50.0	659614.0	0.379796	Y
4	IC 180-335968/11	75.0	29.120296	50.0	633929.0	0.388271	Y
5	IC 180-335968/12	100.0	40.127573	50.0	603499.0	0.401276	Y
6	IC 180-335968/13	175.0	79.40317	50.0	557831.0	0.453732	Y
7	IC 180-335968/14	200.0	95.831665	50.0	596785.0	0.479158	Y
8	IC 180-335968/15	250.0	118.276126	50.0	597851.0	0.473105	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

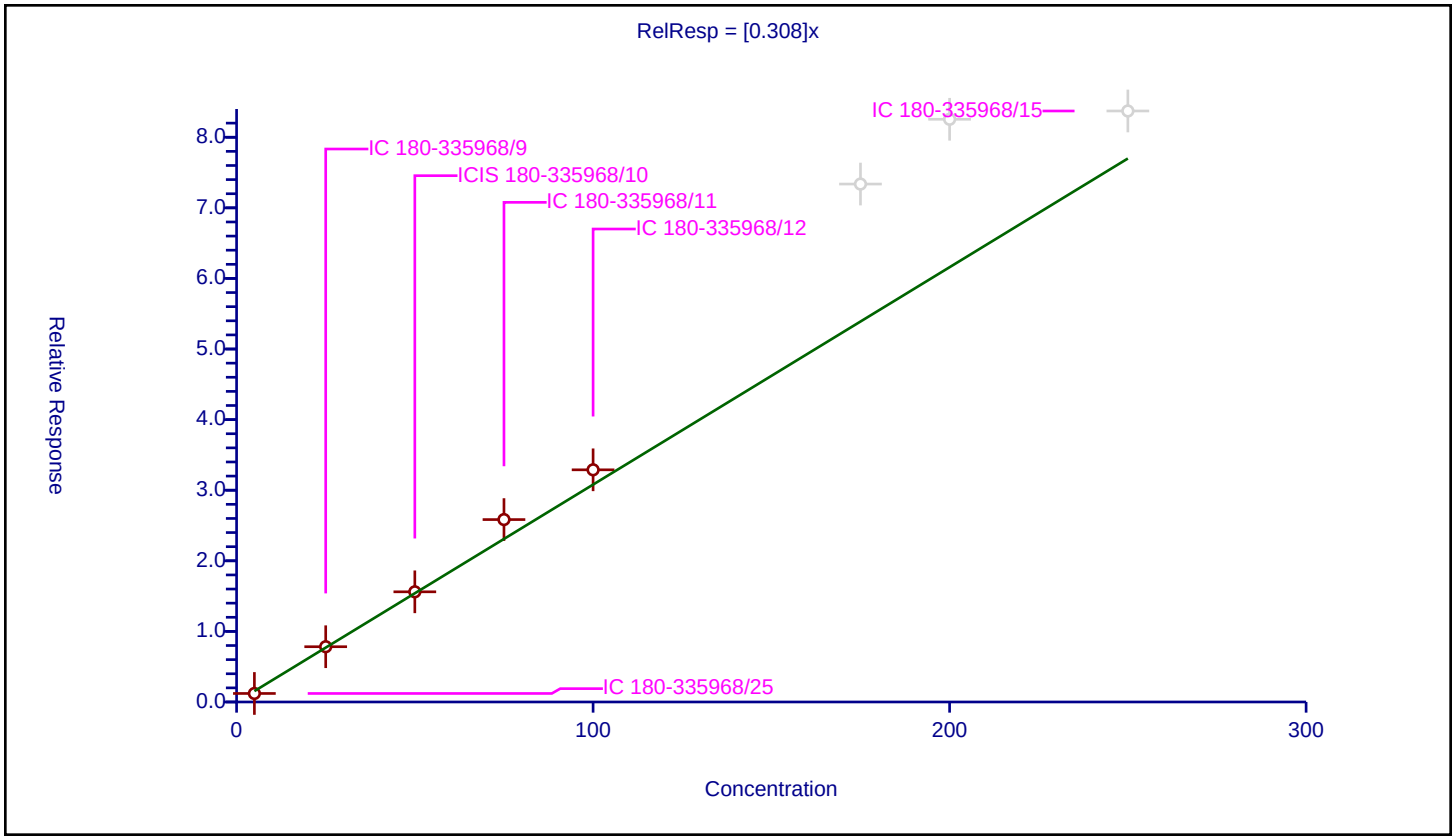
Curve Coefficients

Intercept:	0
Slope:	0.308

Error Coefficients

Standard Error:	281000
Relative Standard Error:	12.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.205496	50.0	399089.0	0.241099	Y
2	IC 180-335968/9	25.0	7.827603	50.0	608098.0	0.313104	Y
3	ICIS 180-335968/10	50.0	15.607461	50.0	659614.0	0.312149	Y
4	IC 180-335968/11	75.0	25.841064	50.0	633929.0	0.344548	Y
5	IC 180-335968/12	100.0	32.891107	50.0	603499.0	0.328911	Y
6	IC 180-335968/13	175.0	73.371326	50.0	557831.0	0.419265	N
7	IC 180-335968/14	200.0	82.544551	50.0	596785.0	0.412723	N
8	IC 180-335968/15	250.0	83.72086	50.0	597851.0	0.334883	N



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

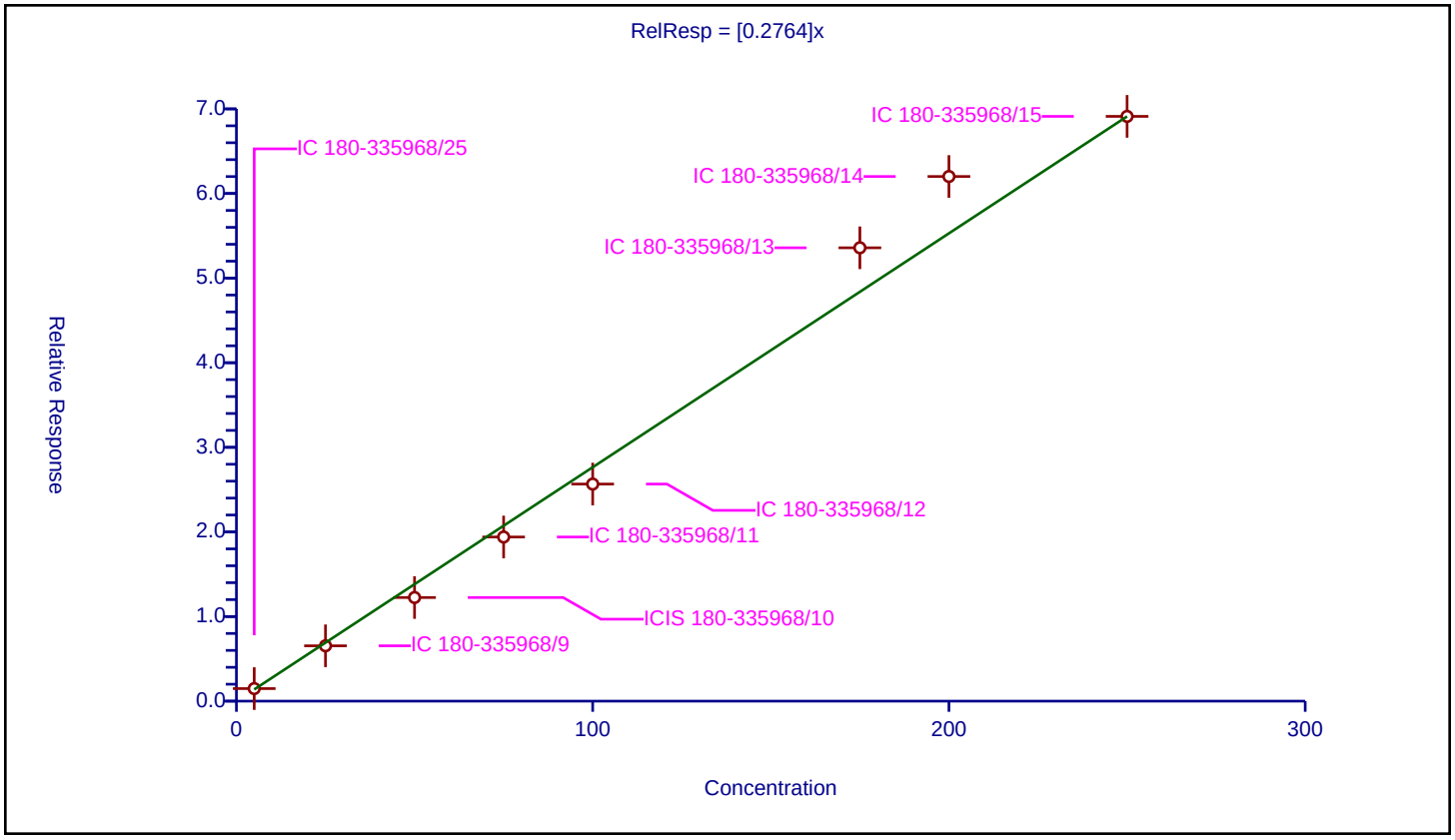
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	504000
Relative Standard Error:	9.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.485634	50.0	399089.0	0.297127	Y
2	IC 180-335968/9	25.0	6.53842	50.0	608098.0	0.261537	Y
3	ICIS 180-335968/10	50.0	12.246935	50.0	659614.0	0.244939	Y
4	IC 180-335968/11	75.0	19.40028	50.0	633929.0	0.25867	Y
5	IC 180-335968/12	100.0	25.656546	50.0	603499.0	0.256565	Y
6	IC 180-335968/13	175.0	53.581909	50.0	557831.0	0.306182	Y
7	IC 180-335968/14	200.0	62.011947	50.0	596785.0	0.31006	Y
8	IC 180-335968/15	250.0	69.11396	50.0	597851.0	0.276456	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

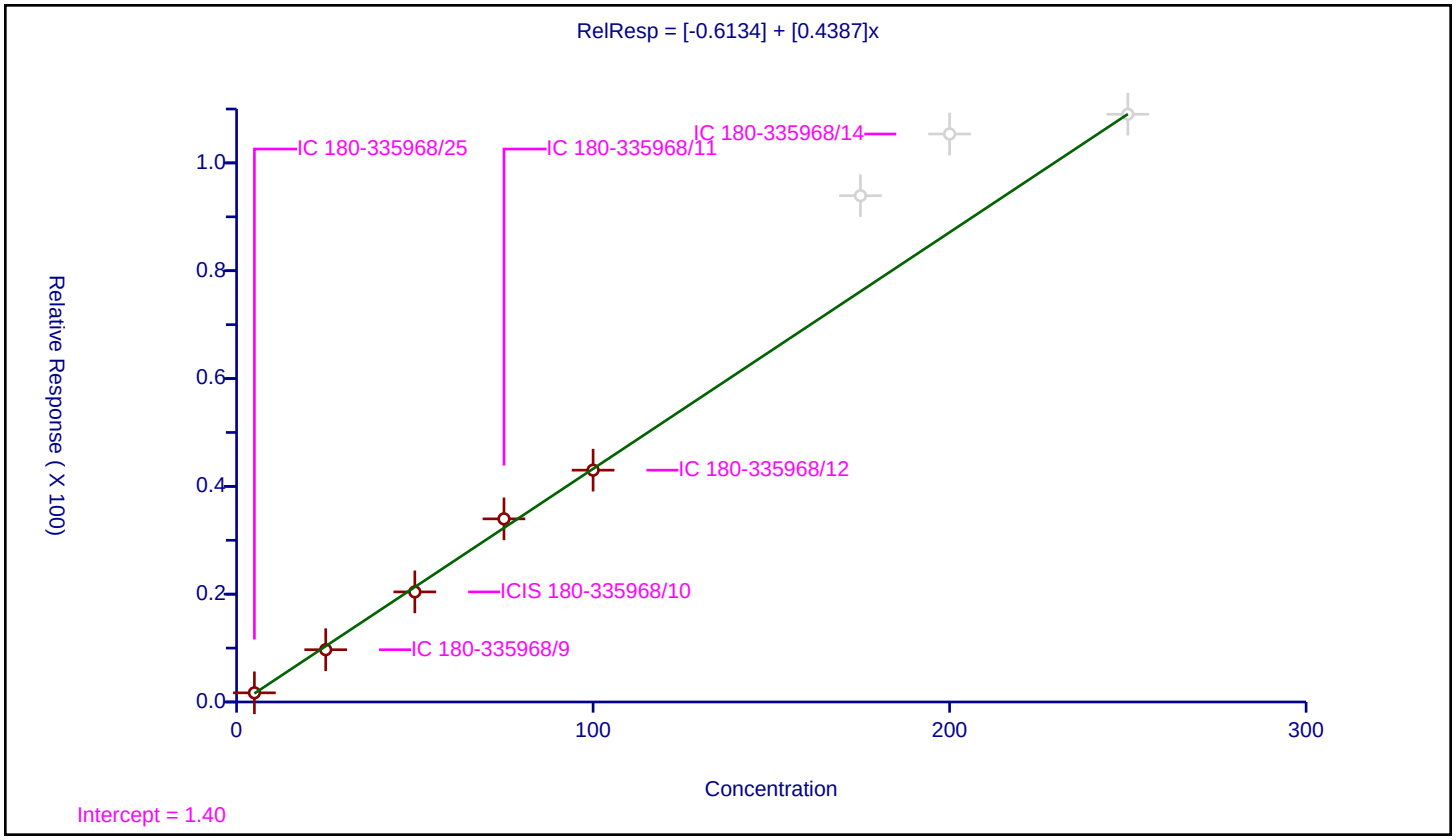
Curve Coefficients

Intercept:	-0.6134
Slope:	0.4387

Error Coefficients

Standard Error:	425000
Relative Standard Error:	6.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.701625	50.0	399089.0	0.340325	Y
2	IC 180-335968/9	25.0	9.697203	50.0	608098.0	0.387888	Y
3	ICIS 180-335968/10	50.0	20.424218	50.0	659614.0	0.408484	Y
4	IC 180-335968/11	75.0	33.974546	50.0	633929.0	0.452994	Y
5	IC 180-335968/12	100.0	43.005954	50.0	603499.0	0.43006	Y
6	IC 180-335968/13	175.0	93.92065	50.0	557831.0	0.536689	N
7	IC 180-335968/14	200.0	105.366673	50.0	596785.0	0.526833	N
8	IC 180-335968/15	250.0	109.030929	50.0	597851.0	0.436124	N



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

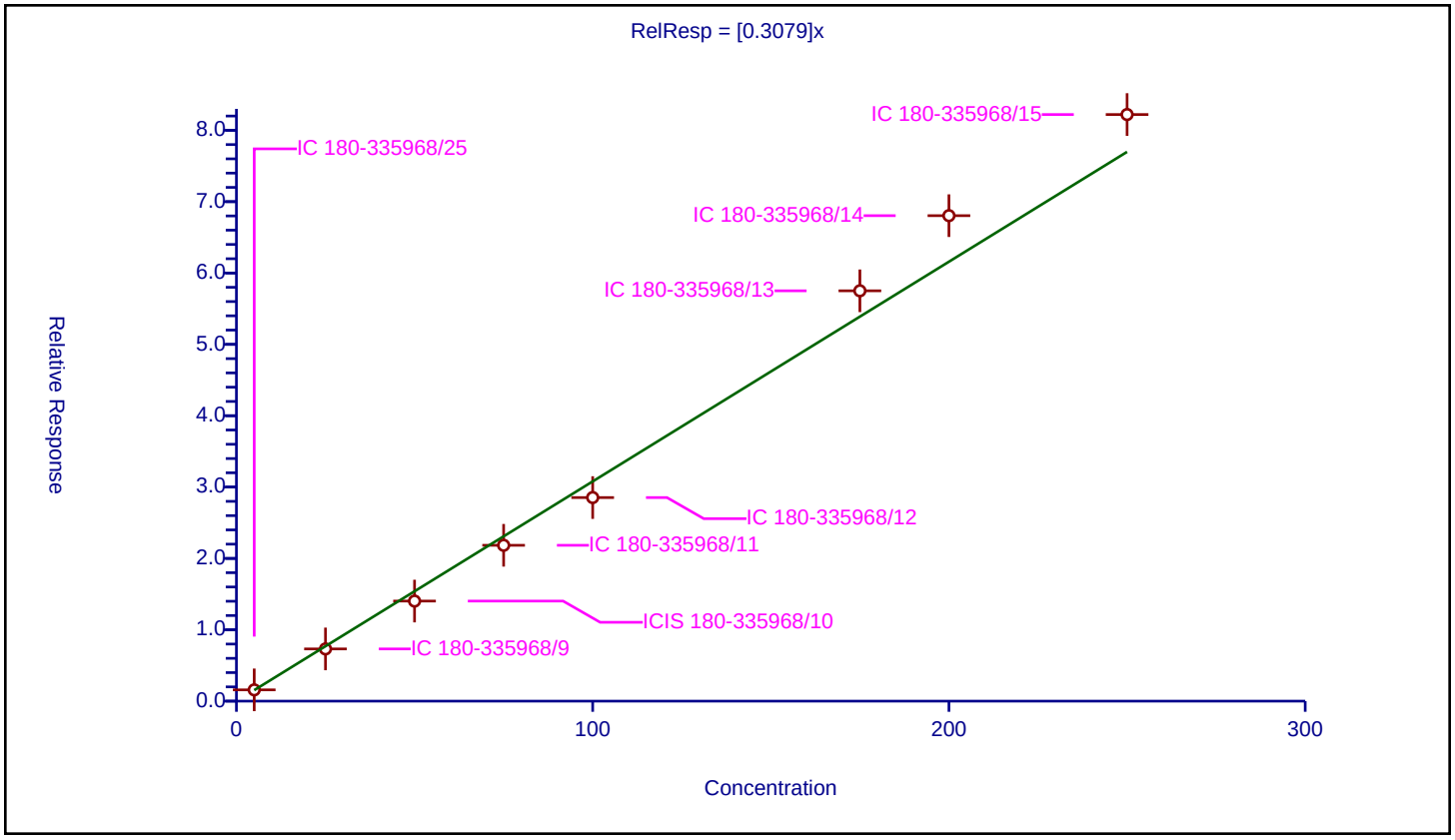
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Standard Error:	570000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.579472	50.0	399089.0	0.315894	Y
2	IC 180-335968/9	25.0	7.319379	50.0	608098.0	0.292775	Y
3	ICIS 180-335968/10	50.0	14.024945	50.0	659614.0	0.280499	Y
4	IC 180-335968/11	75.0	21.841168	50.0	633929.0	0.291216	Y
5	IC 180-335968/12	100.0	28.531199	50.0	603499.0	0.285312	Y
6	IC 180-335968/13	175.0	57.504513	50.0	557831.0	0.328597	Y
7	IC 180-335968/14	200.0	68.037568	50.0	596785.0	0.340188	Y
8	IC 180-335968/15	250.0	82.20928	50.0	597851.0	0.328837	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

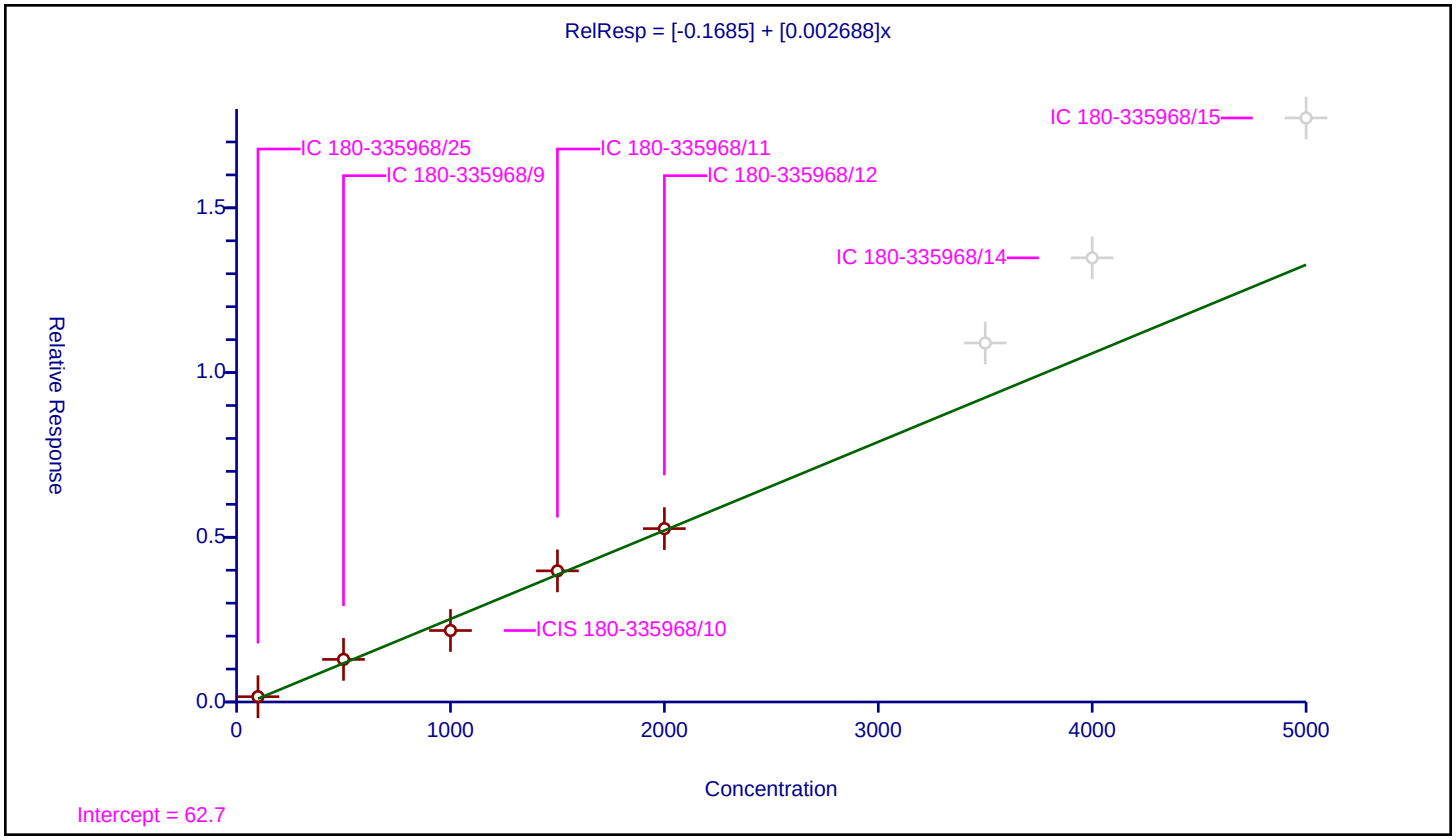
Curve Coefficients

Intercept:	-0.1685
Slope:	0.002688

Error Coefficients

Standard Error:	50500
Relative Standard Error:	15.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	100.0	0.160616	50.0	399089.0	0.001606	Y
2	IC 180-335968/9	500.0	1.293459	50.0	608098.0	0.002587	Y
3	ICIS 180-335968/10	1000.0	2.170133	50.0	659614.0	0.00217	Y
4	IC 180-335968/11	1500.0	3.980493	50.0	633929.0	0.002654	Y
5	IC 180-335968/12	2000.0	5.262975	50.0	603499.0	0.002631	Y
6	IC 180-335968/13	3500.0	10.897476	50.0	557831.0	0.003114	N
7	IC 180-335968/14	4000.0	13.481907	50.0	596785.0	0.00337	N
8	IC 180-335968/15	5000.0	17.728414	50.0	597851.0	0.003546	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

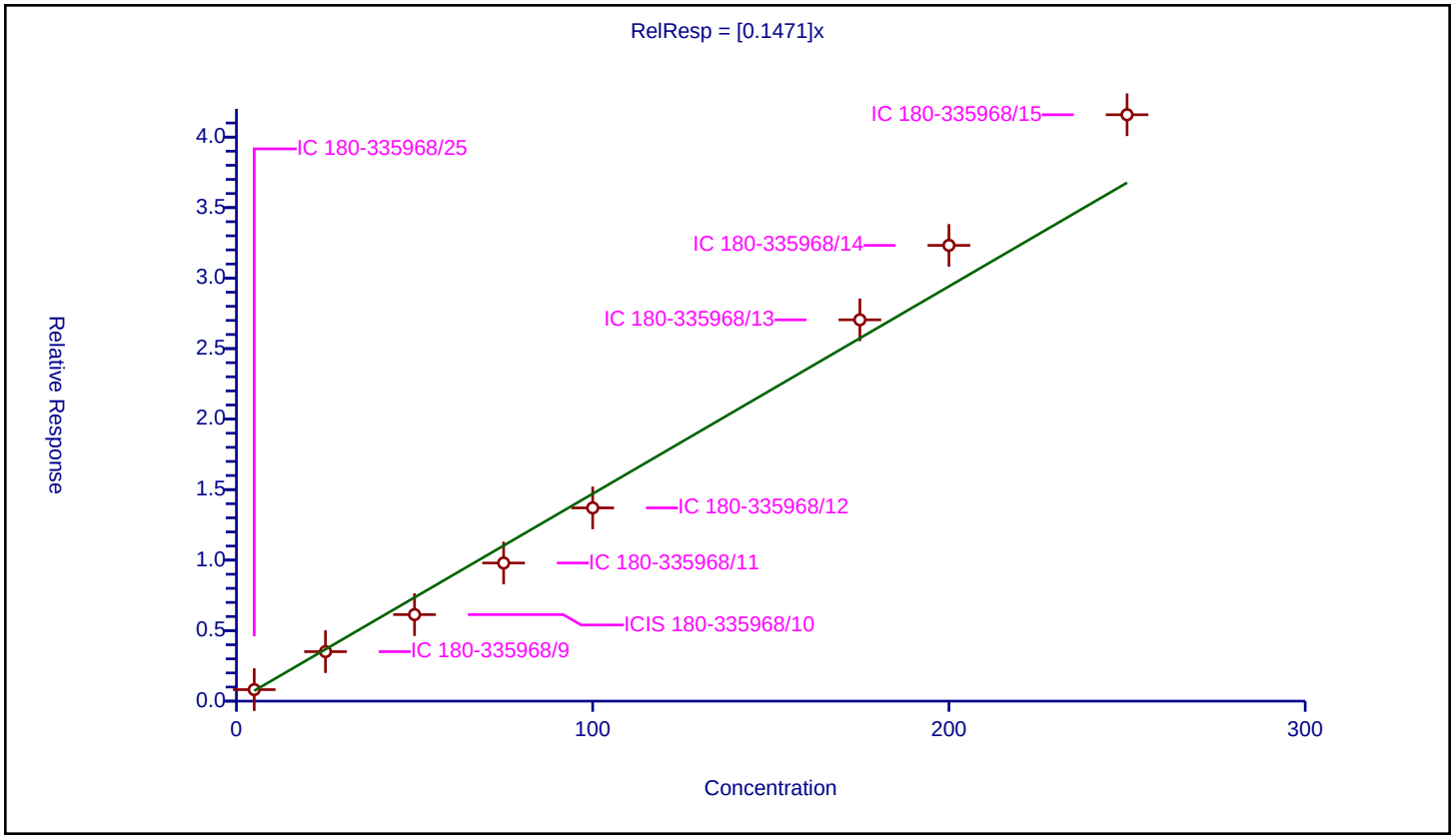
Curve Coefficients

Intercept:	0
Slope:	0.1471

Error Coefficients

Standard Error:	277000
Relative Standard Error:	11.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.816234	50.0	399089.0	0.163247	Y
2	IC 180-335968/9	25.0	3.510701	50.0	608098.0	0.140428	Y
3	ICIS 180-335968/10	50.0	6.136695	50.0	659614.0	0.122734	Y
4	IC 180-335968/11	75.0	9.797075	50.0	633929.0	0.130628	Y
5	IC 180-335968/12	100.0	13.703917	50.0	603499.0	0.137039	Y
6	IC 180-335968/13	175.0	27.042061	50.0	557831.0	0.154526	Y
7	IC 180-335968/14	200.0	32.322193	50.0	596785.0	0.161611	Y
8	IC 180-335968/15	250.0	41.587034	50.0	597851.0	0.166348	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

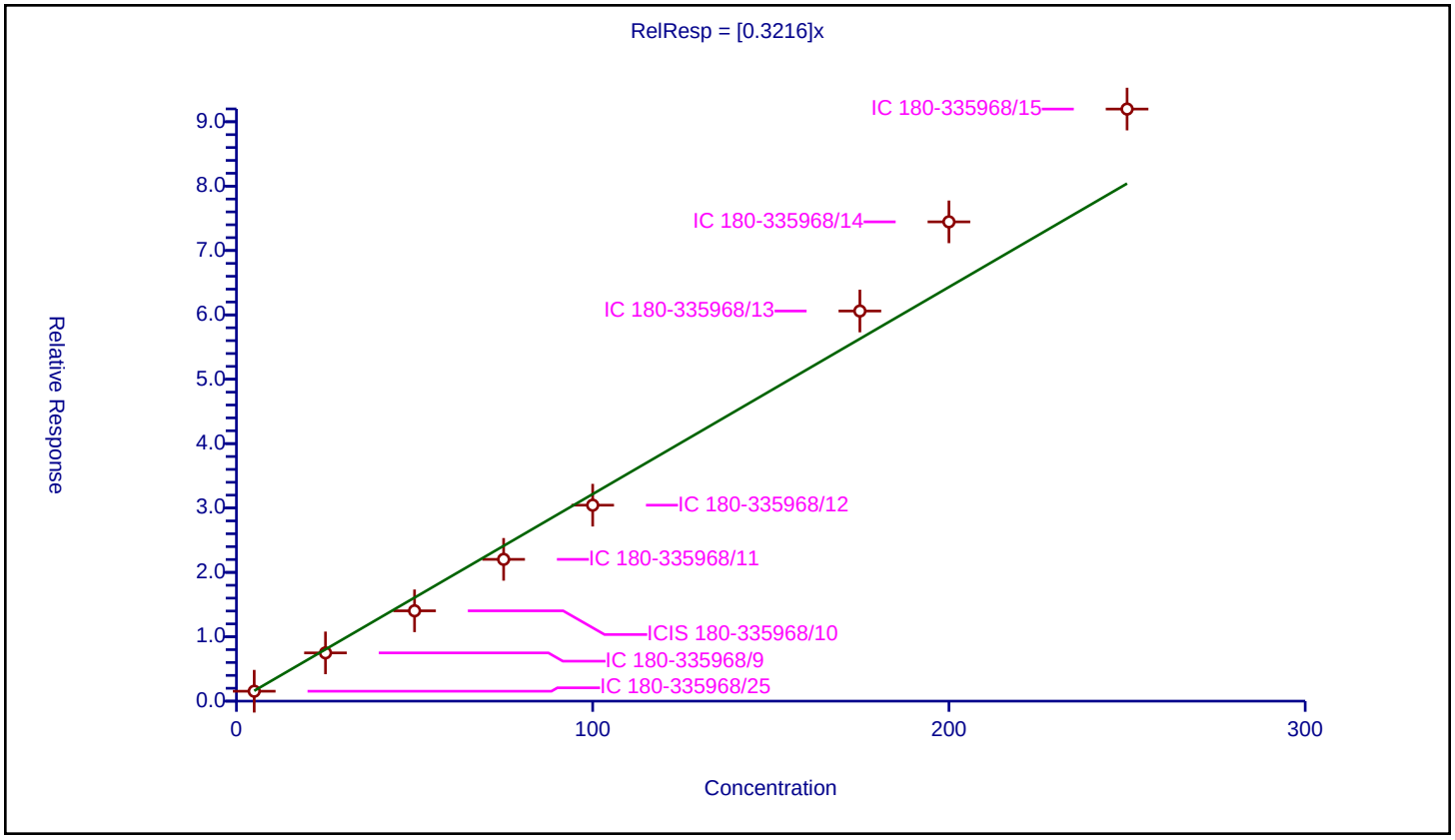
Curve Coefficients

Intercept:	0
Slope:	0.3216

Error Coefficients

Standard Error:	622000
Relative Standard Error:	11.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.540133	50.0	399089.0	0.308027	Y
2	IC 180-335968/9	25.0	7.495009	50.0	608098.0	0.2998	Y
3	ICIS 180-335968/10	50.0	14.030782	50.0	659614.0	0.280616	Y
4	IC 180-335968/11	75.0	22.024391	50.0	633929.0	0.293659	Y
5	IC 180-335968/12	100.0	30.441807	50.0	603499.0	0.304418	Y
6	IC 180-335968/13	175.0	60.601508	50.0	557831.0	0.346294	Y
7	IC 180-335968/14	200.0	74.452106	50.0	596785.0	0.372261	Y
8	IC 180-335968/15	250.0	91.977014	50.0	597851.0	0.367908	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

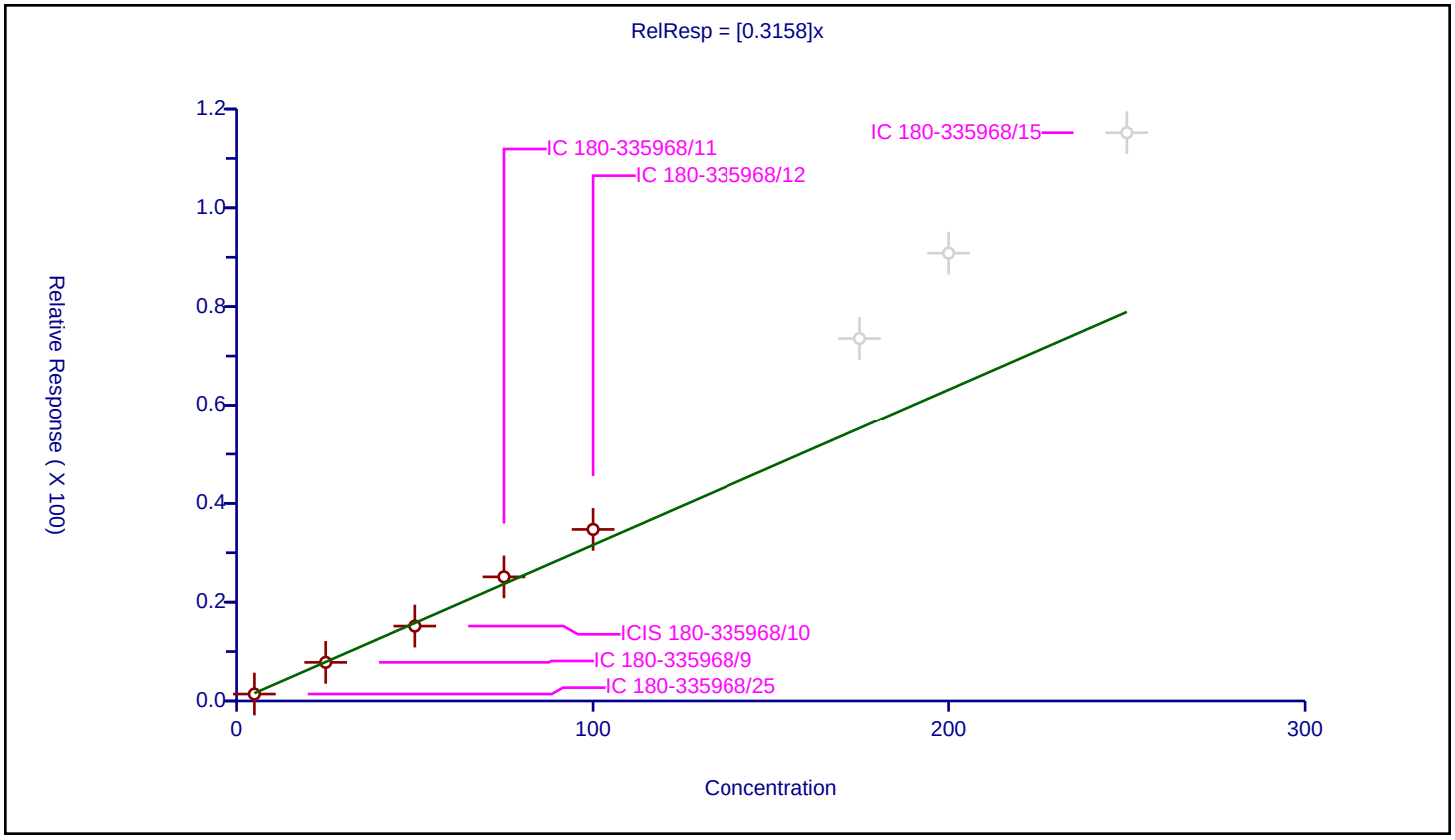
Curve Coefficients

Intercept:	0
Slope:	0.3158

Error Coefficients

Standard Error:	286000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.404323	50.0	399089.0	0.280865	Y
2	IC 180-335968/9	25.0	7.816585	50.0	608098.0	0.312663	Y
3	ICIS 180-335968/10	50.0	15.159017	50.0	659614.0	0.30318	Y
4	IC 180-335968/11	75.0	25.120715	50.0	633929.0	0.334943	Y
5	IC 180-335968/12	100.0	34.717705	50.0	603499.0	0.347177	Y
6	IC 180-335968/13	175.0	73.545662	50.0	557831.0	0.420261	N
7	IC 180-335968/14	200.0	90.830031	50.0	596785.0	0.45415	N
8	IC 180-335968/15	250.0	115.206464	50.0	597851.0	0.460826	N



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

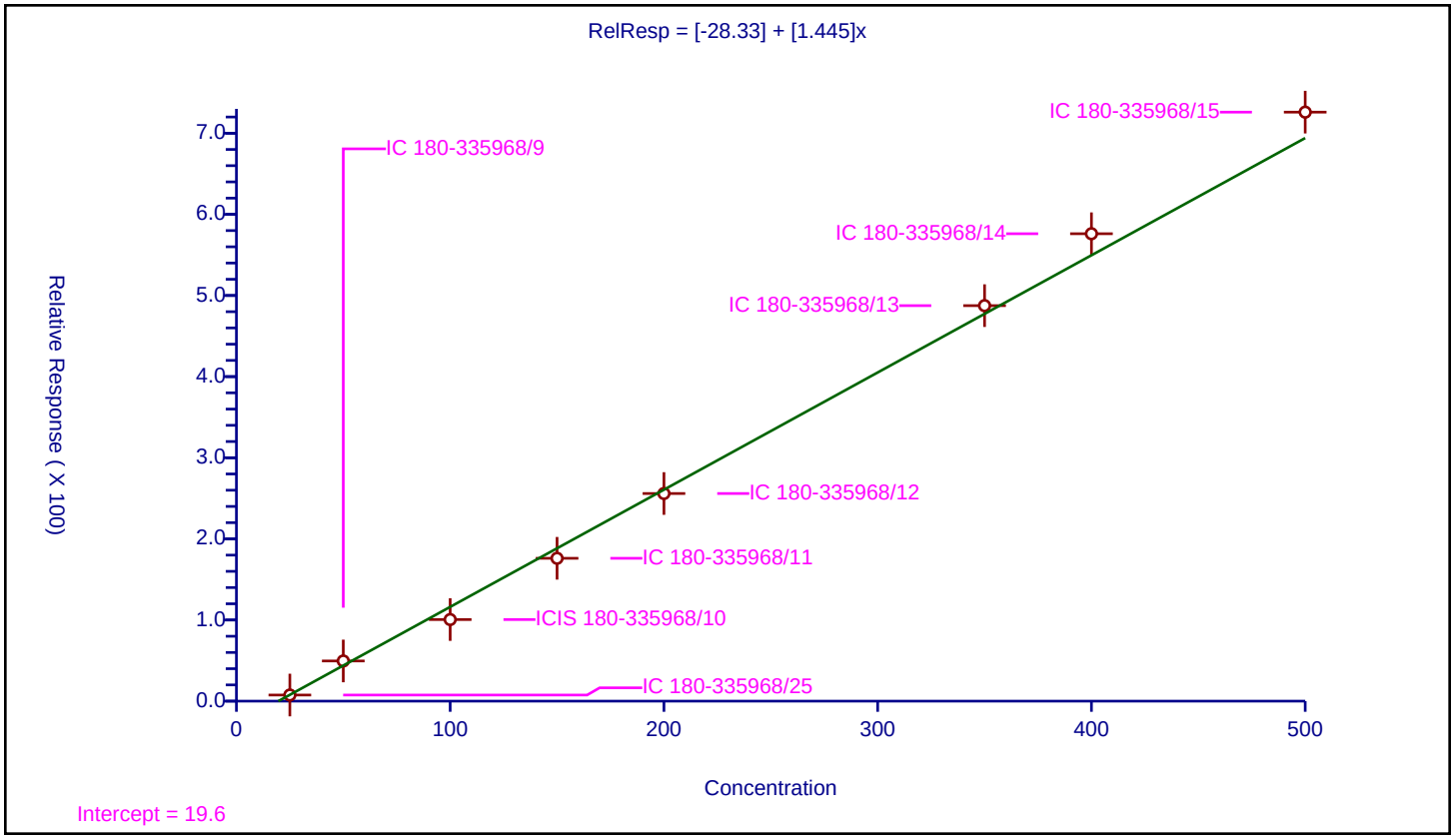
Curve Coefficients

Intercept:	-28.33
Slope:	1.445

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	7.545627	50.0	78244.0	0.301825	Y
2	IC 180-335968/9	50.0	49.510226	50.0	123118.0	0.990205	Y
3	ICIS 180-335968/10	100.0	100.567095	50.0	137014.0	1.005671	Y
4	IC 180-335968/11	150.0	176.092561	50.0	124135.0	1.17395	Y
5	IC 180-335968/12	200.0	255.931395	50.0	123664.0	1.279657	Y
6	IC 180-335968/13	350.0	487.47801	50.0	119941.0	1.392794	Y
7	IC 180-335968/14	400.0	576.121921	50.0	132184.0	1.440305	Y
8	IC 180-335968/15	500.0	725.982852	50.0	135295.0	1.451966	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

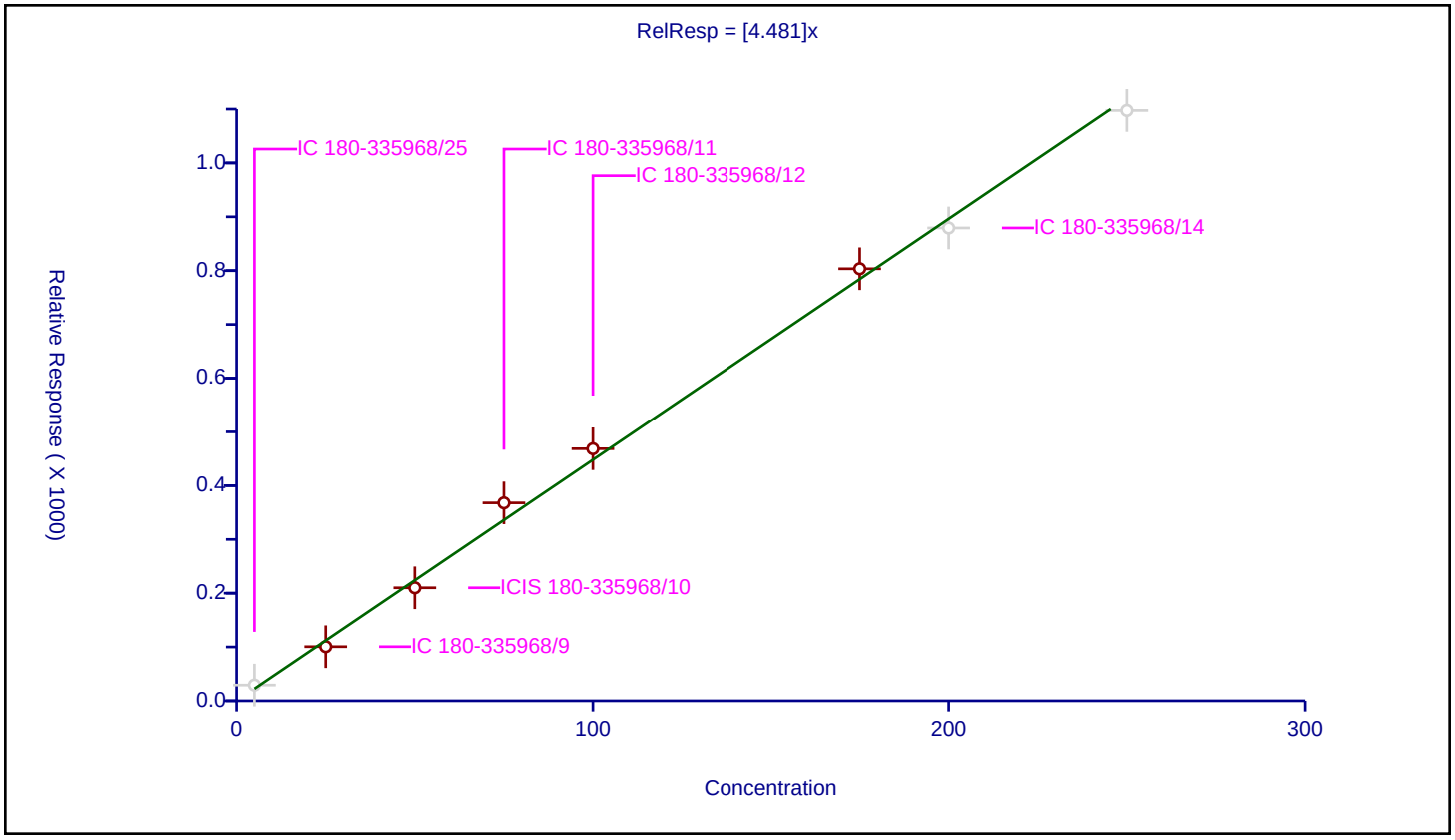
Curve Coefficients

Intercept:	0
Slope:	4.481

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	29.21502	50.0	78244.0	5.843004	N
2	IC 180-335968/9	25.0	100.511704	50.0	123118.0	4.020468	Y
3	ICIS 180-335968/10	50.0	210.052622	50.0	137014.0	4.201052	Y
4	IC 180-335968/11	75.0	367.972369	50.0	124135.0	4.906298	Y
5	IC 180-335968/12	100.0	468.673179	50.0	123664.0	4.686732	Y
6	IC 180-335968/13	175.0	803.559667	50.0	119941.0	4.59177	Y
7	IC 180-335968/14	200.0	879.303471	50.0	132184.0	4.396517	N
8	IC 180-335968/15	250.0	1097.491408	50.0	135295.0	4.389966	N



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

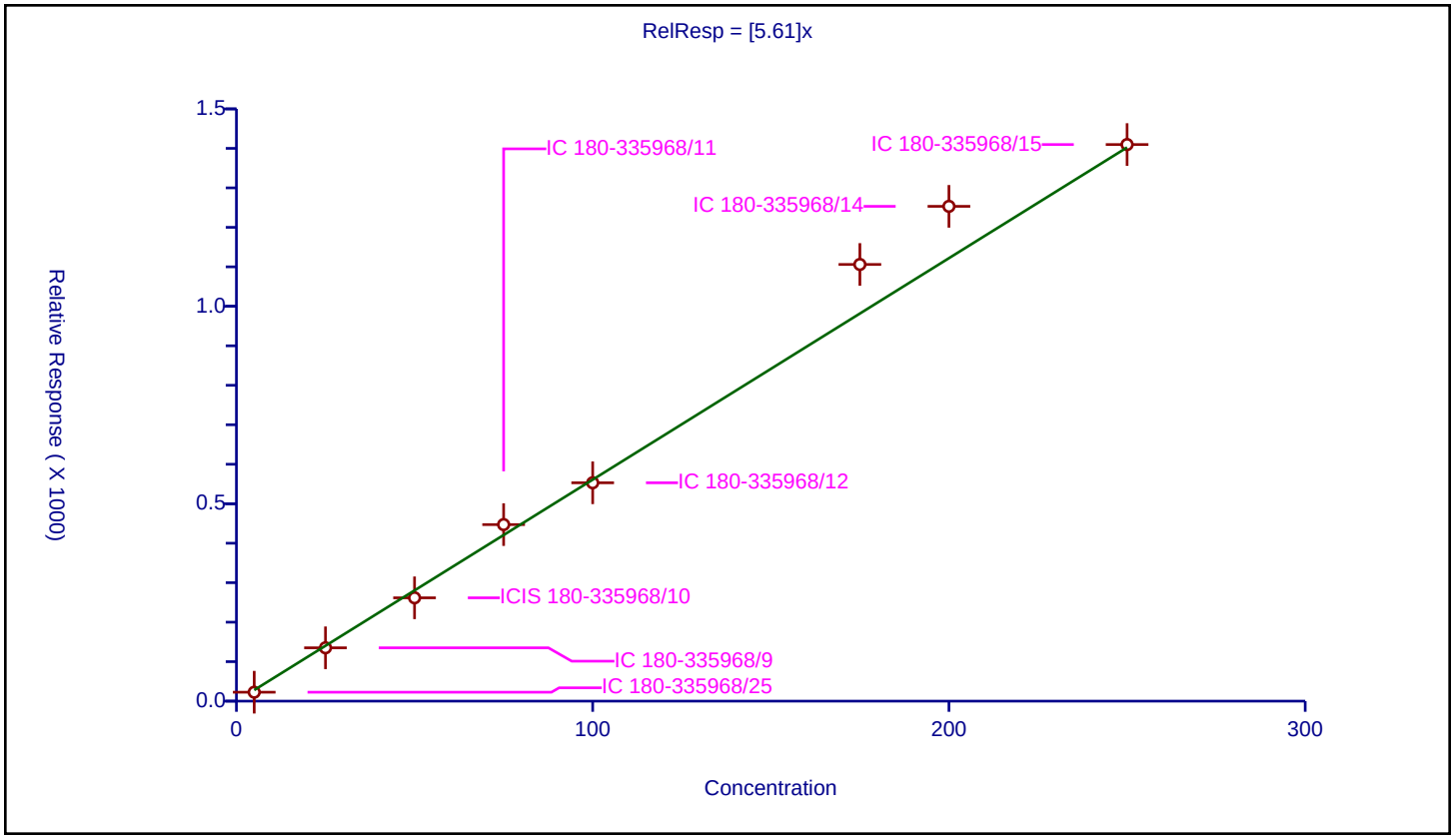
Curve Coefficients

Intercept:	0
Slope:	5.61

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	10.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	22.61004	50.0	78244.0	4.522008	Y
2	IC 180-335968/9	25.0	135.104534	50.0	123118.0	5.404181	Y
3	ICIS 180-335968/10	50.0	261.705373	50.0	137014.0	5.234107	Y
4	IC 180-335968/11	75.0	447.103557	50.0	124135.0	5.961381	Y
5	IC 180-335968/12	100.0	553.024728	50.0	123664.0	5.530247	Y
6	IC 180-335968/13	175.0	1106.00712	50.0	119941.0	6.320041	Y
7	IC 180-335968/14	200.0	1253.158854	50.0	132184.0	6.265794	Y
8	IC 180-335968/15	250.0	1409.661111	50.0	135295.0	5.638644	Y



Calibration / Ethyl methacrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

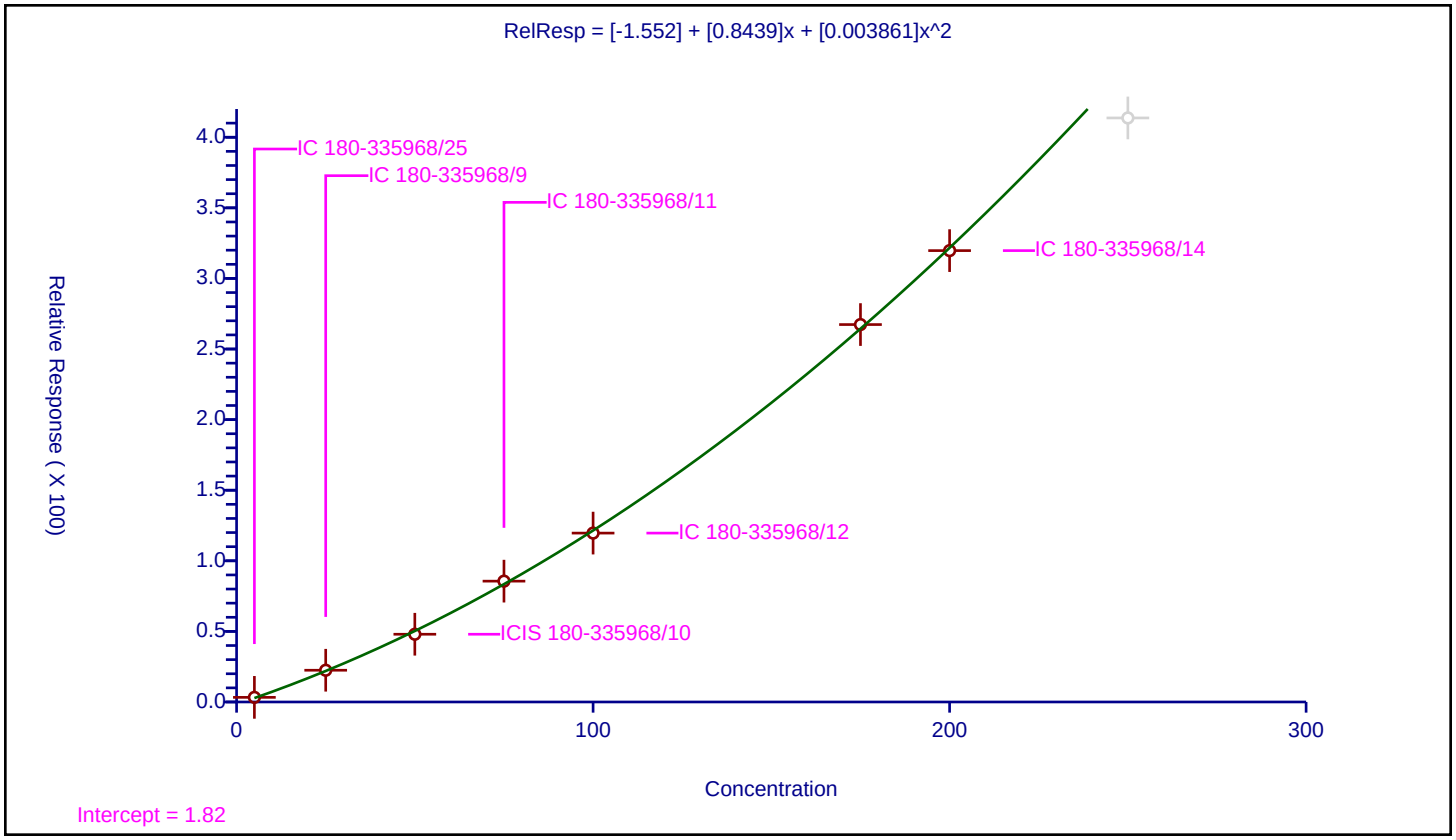
Curve Coefficients

Intercept:	-1.552
Slope:	0.8439
Second Order:	0.003861

Error Coefficients

Standard Error:	565000
Relative Standard Error:	6.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.274372	50.0	78244.0	0.654874	Y
2	IC 180-335968/9	25.0	22.479248	50.0	123118.0	0.89917	Y
3	ICIS 180-335968/10	50.0	47.977214	50.0	137014.0	0.959544	Y
4	IC 180-335968/11	75.0	85.597938	50.0	124135.0	1.141306	Y
5	IC 180-335968/12	100.0	119.618887	50.0	123664.0	1.196189	Y
6	IC 180-335968/13	175.0	267.336024	50.0	119941.0	1.527634	Y
7	IC 180-335968/14	200.0	319.708891	50.0	132184.0	1.598544	Y
8	IC 180-335968/15	250.0	413.678998	50.0	135295.0	1.654716	N



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

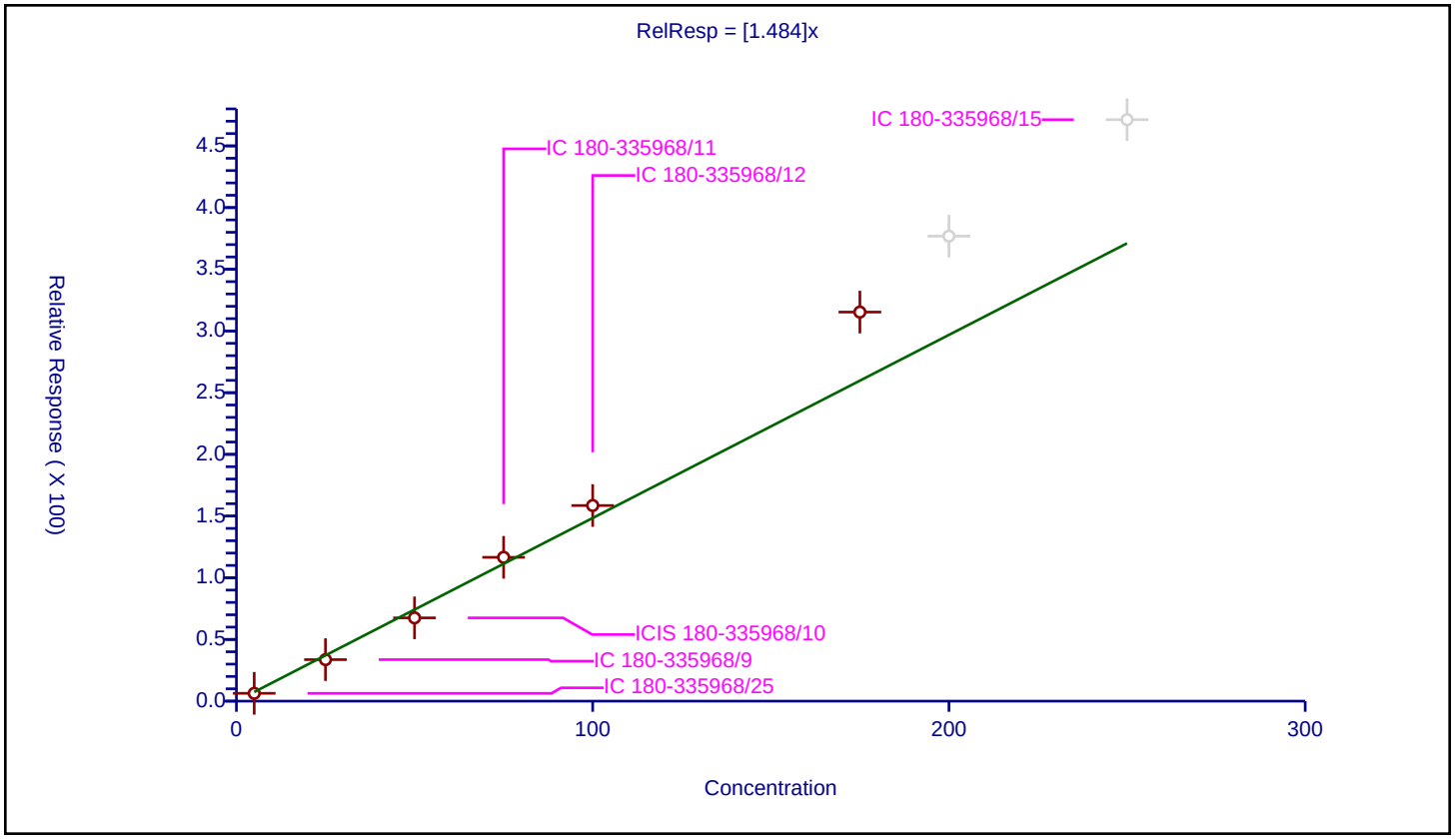
Curve Coefficients

Intercept:	0
Slope:	1.484

Error Coefficients

Standard Error:	412000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.339783	50.0	78244.0	1.267957	Y
2	IC 180-335968/9	25.0	33.652269	50.0	123118.0	1.346091	Y
3	ICIS 180-335968/10	50.0	67.493468	50.0	137014.0	1.349869	Y
4	IC 180-335968/11	75.0	116.549321	50.0	124135.0	1.553991	Y
5	IC 180-335968/12	100.0	158.547758	50.0	123664.0	1.585478	Y
6	IC 180-335968/13	175.0	315.309611	50.0	119941.0	1.801769	Y
7	IC 180-335968/14	200.0	376.858773	50.0	132184.0	1.884294	N
8	IC 180-335968/15	250.0	471.257253	50.0	135295.0	1.885029	N



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

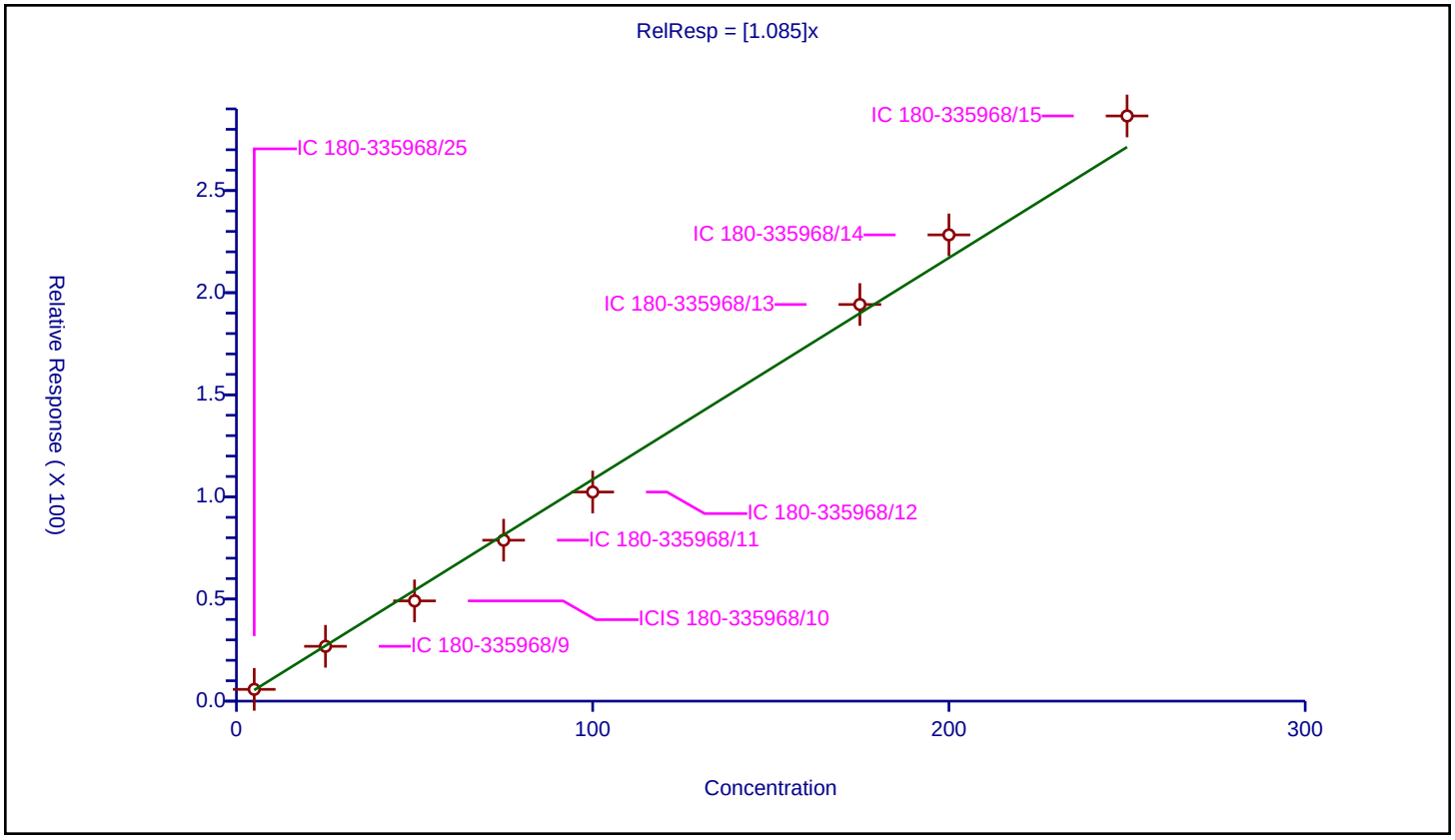
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	432000
Relative Standard Error:	5.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.77105	50.0	78244.0	1.15421	Y
2	IC 180-335968/9	25.0	26.850257	50.0	123118.0	1.07401	Y
3	ICIS 180-335968/10	50.0	49.083305	50.0	137014.0	0.981666	Y
4	IC 180-335968/11	75.0	78.803722	50.0	124135.0	1.050716	Y
5	IC 180-335968/12	100.0	102.400456	50.0	123664.0	1.024005	Y
6	IC 180-335968/13	175.0	194.226328	50.0	119941.0	1.109865	Y
7	IC 180-335968/14	200.0	228.316967	50.0	132184.0	1.141585	Y
8	IC 180-335968/15	250.0	286.546066	50.0	135295.0	1.146184	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

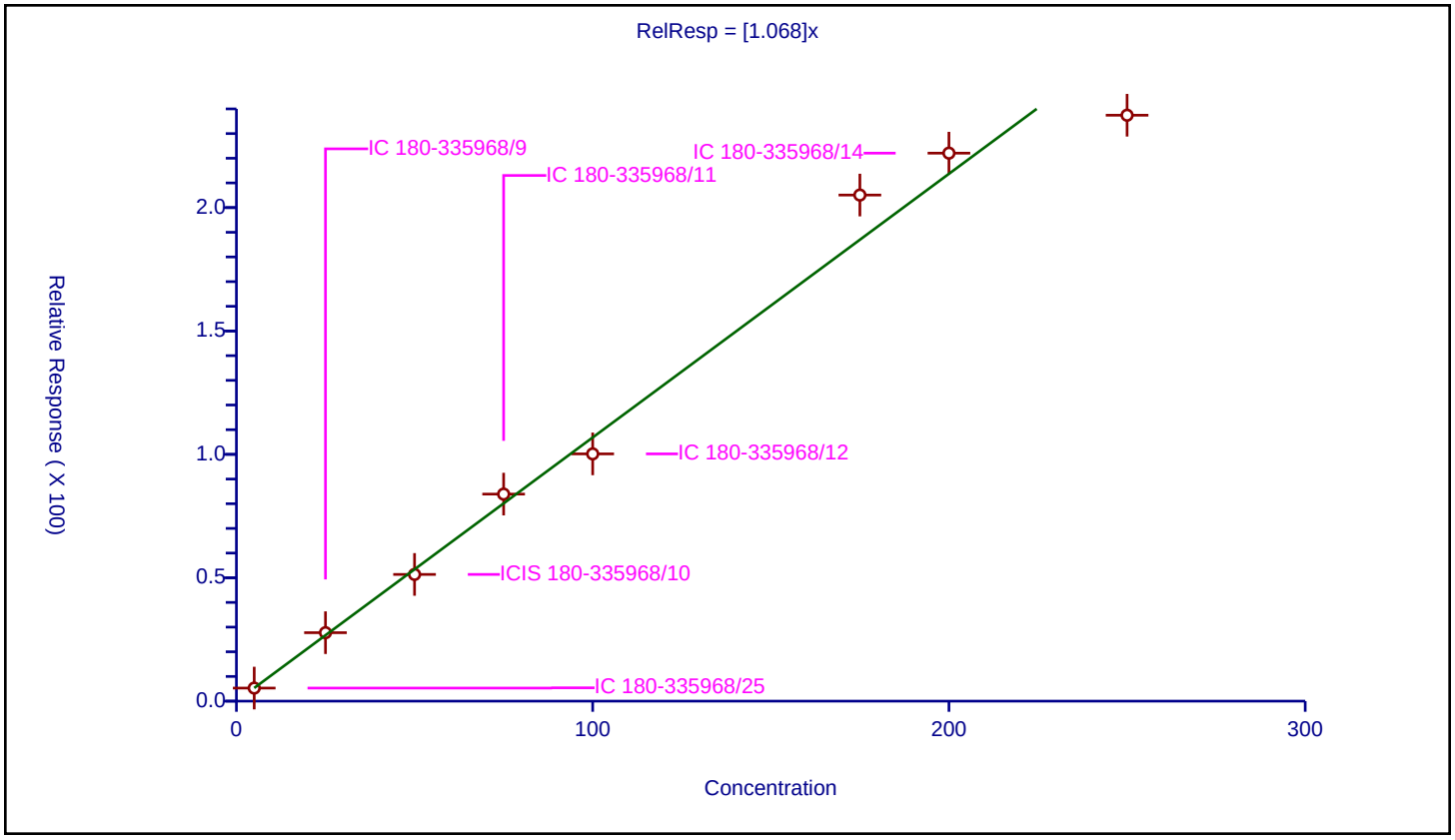
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Standard Error:	401000
Relative Standard Error:	6.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.291141	50.0	78244.0	1.058228	Y
2	IC 180-335968/9	25.0	27.743303	50.0	123118.0	1.109732	Y
3	ICIS 180-335968/10	50.0	51.344023	50.0	137014.0	1.02688	Y
4	IC 180-335968/11	75.0	83.895356	50.0	124135.0	1.118605	Y
5	IC 180-335968/12	100.0	100.196905	50.0	123664.0	1.001969	Y
6	IC 180-335968/13	175.0	205.079581	50.0	119941.0	1.171883	Y
7	IC 180-335968/14	200.0	222.063185	50.0	132184.0	1.110316	Y
8	IC 180-335968/15	250.0	237.426734	50.0	135295.0	0.949707	Y



Calibration / 2-Hexanone

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

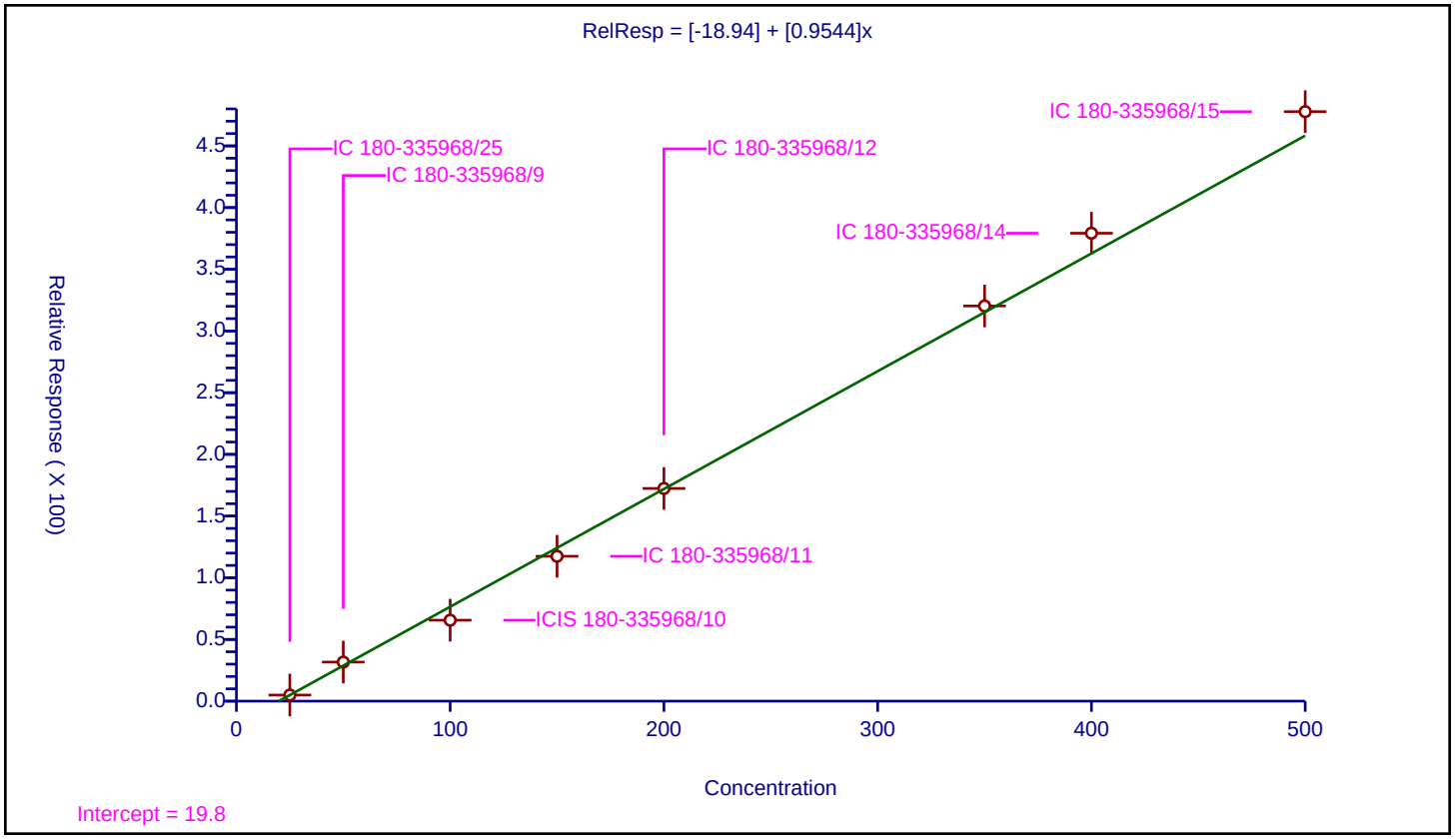
Curve Coefficients

Intercept:	-18.94
Slope:	0.9544

Error Coefficients

Standard Error:	771000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	4.933925	50.0	78244.0	0.197357	Y
2	IC 180-335968/9	50.0	31.649312	50.0	123118.0	0.632986	Y
3	ICIS 180-335968/10	100.0	65.60242	50.0	137014.0	0.656024	Y
4	IC 180-335968/11	150.0	117.418536	50.0	124135.0	0.78279	Y
5	IC 180-335968/12	200.0	172.384445	50.0	123664.0	0.861922	Y
6	IC 180-335968/13	350.0	320.279554	50.0	119941.0	0.915084	Y
7	IC 180-335968/14	400.0	379.233871	50.0	132184.0	0.948085	Y
8	IC 180-335968/15	500.0	477.757123	50.0	135295.0	0.955514	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

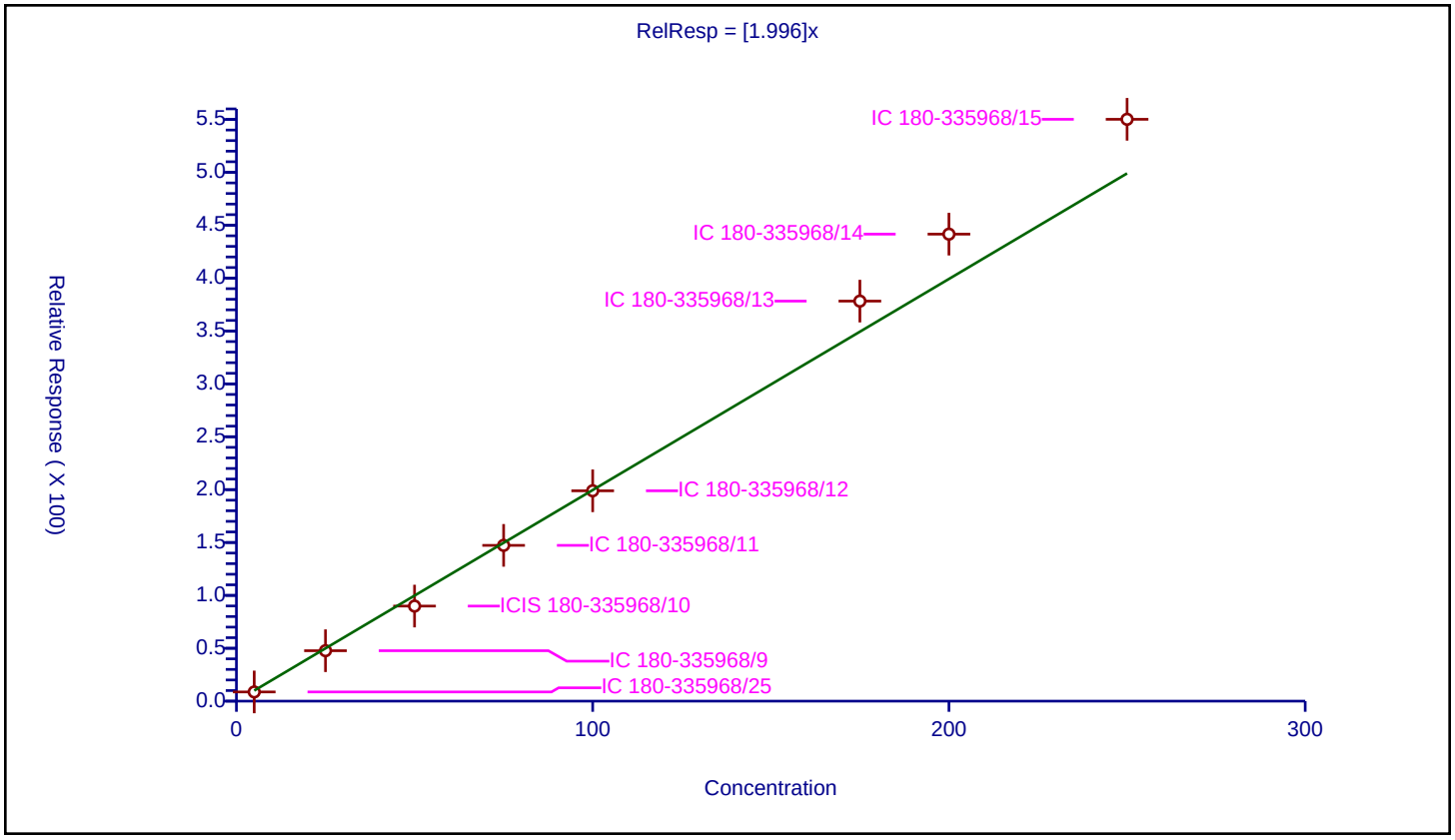
Curve Coefficients

Intercept:	0
Slope:	1.996

Error Coefficients

Standard Error:	832000
Relative Standard Error:	9.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.69907	50.0	78244.0	1.739814	Y
2	IC 180-335968/9	25.0	47.696113	50.0	123118.0	1.907845	Y
3	ICIS 180-335968/10	50.0	89.888625	50.0	137014.0	1.797772	Y
4	IC 180-335968/11	75.0	147.295283	50.0	124135.0	1.963937	Y
5	IC 180-335968/12	100.0	198.901054	50.0	123664.0	1.989011	Y
6	IC 180-335968/13	175.0	378.240135	50.0	119941.0	2.161372	Y
7	IC 180-335968/14	200.0	441.564032	50.0	132184.0	2.20782	Y
8	IC 180-335968/15	250.0	550.16076	50.0	135295.0	2.200643	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

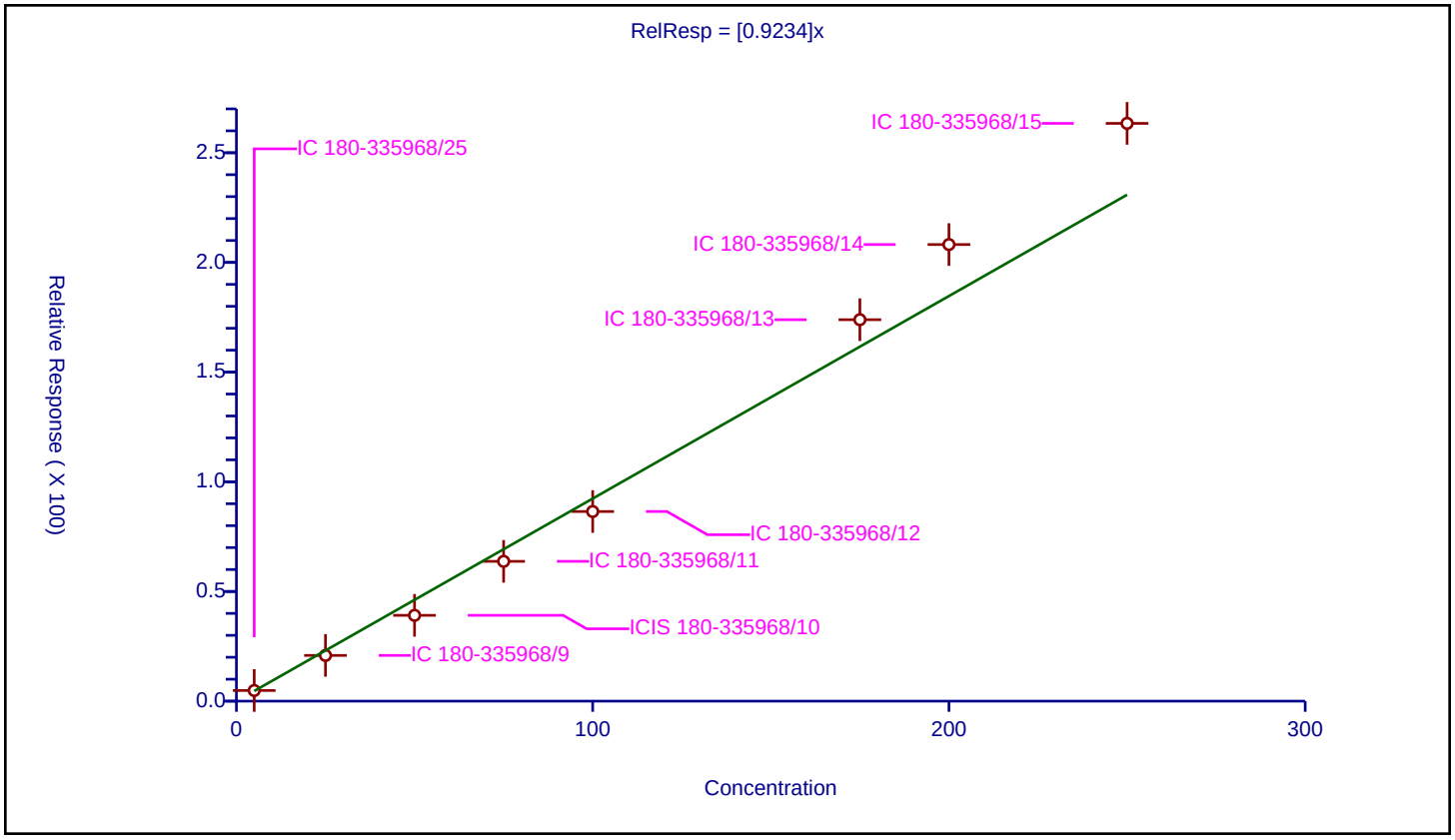
Curve Coefficients

Intercept:	0
Slope:	0.9234

Error Coefficients

Standard Error:	391000
Relative Standard Error:	11.2
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	4.8451	50.0	78244.0	0.96902	Y
2	IC 180-335968/9	25.0	20.838139	50.0	123118.0	0.833526	Y
3	ICIS 180-335968/10	50.0	39.1179	50.0	137014.0	0.782358	Y
4	IC 180-335968/11	75.0	63.731421	50.0	124135.0	0.849752	Y
5	IC 180-335968/12	100.0	86.447147	50.0	123664.0	0.864471	Y
6	IC 180-335968/13	175.0	173.893414	50.0	119941.0	0.993677	Y
7	IC 180-335968/14	200.0	208.153786	50.0	132184.0	1.040769	Y
8	IC 180-335968/15	250.0	263.39	50.0	135295.0	1.05356	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

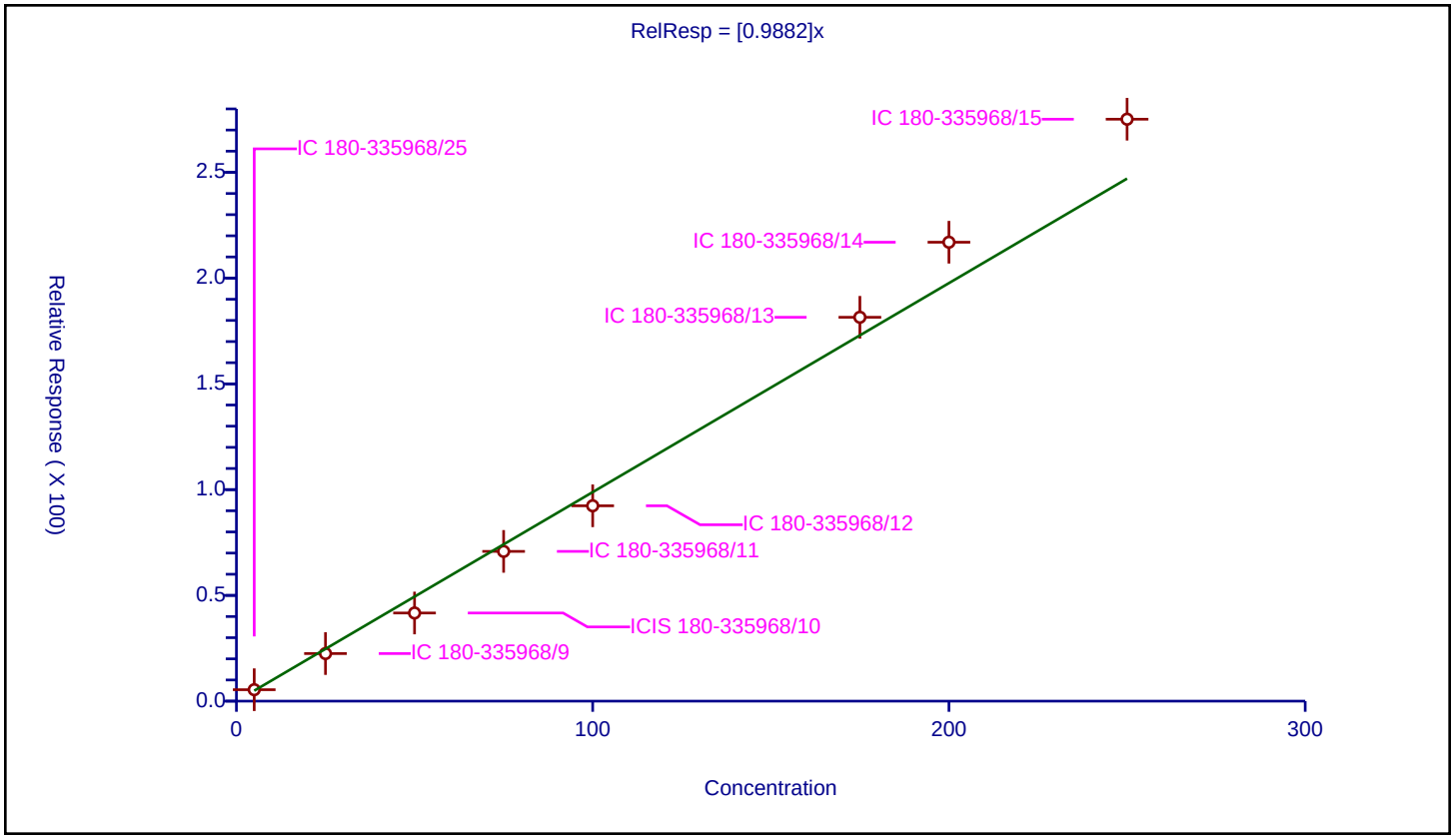
Curve Coefficients

Intercept:	0
Slope:	0.9882

Error Coefficients

Standard Error:	409000
Relative Standard Error:	10.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.410639	50.0	78244.0	1.082128	Y
2	IC 180-335968/9	25.0	22.498335	50.0	123118.0	0.899933	Y
3	ICIS 180-335968/10	50.0	41.674573	50.0	137014.0	0.833491	Y
4	IC 180-335968/11	75.0	70.797116	50.0	124135.0	0.943962	Y
5	IC 180-335968/12	100.0	92.356709	50.0	123664.0	0.923567	Y
6	IC 180-335968/13	175.0	181.485063	50.0	119941.0	1.037058	Y
7	IC 180-335968/14	200.0	216.960827	50.0	132184.0	1.084804	Y
8	IC 180-335968/15	250.0	275.123249	50.0	135295.0	1.100493	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

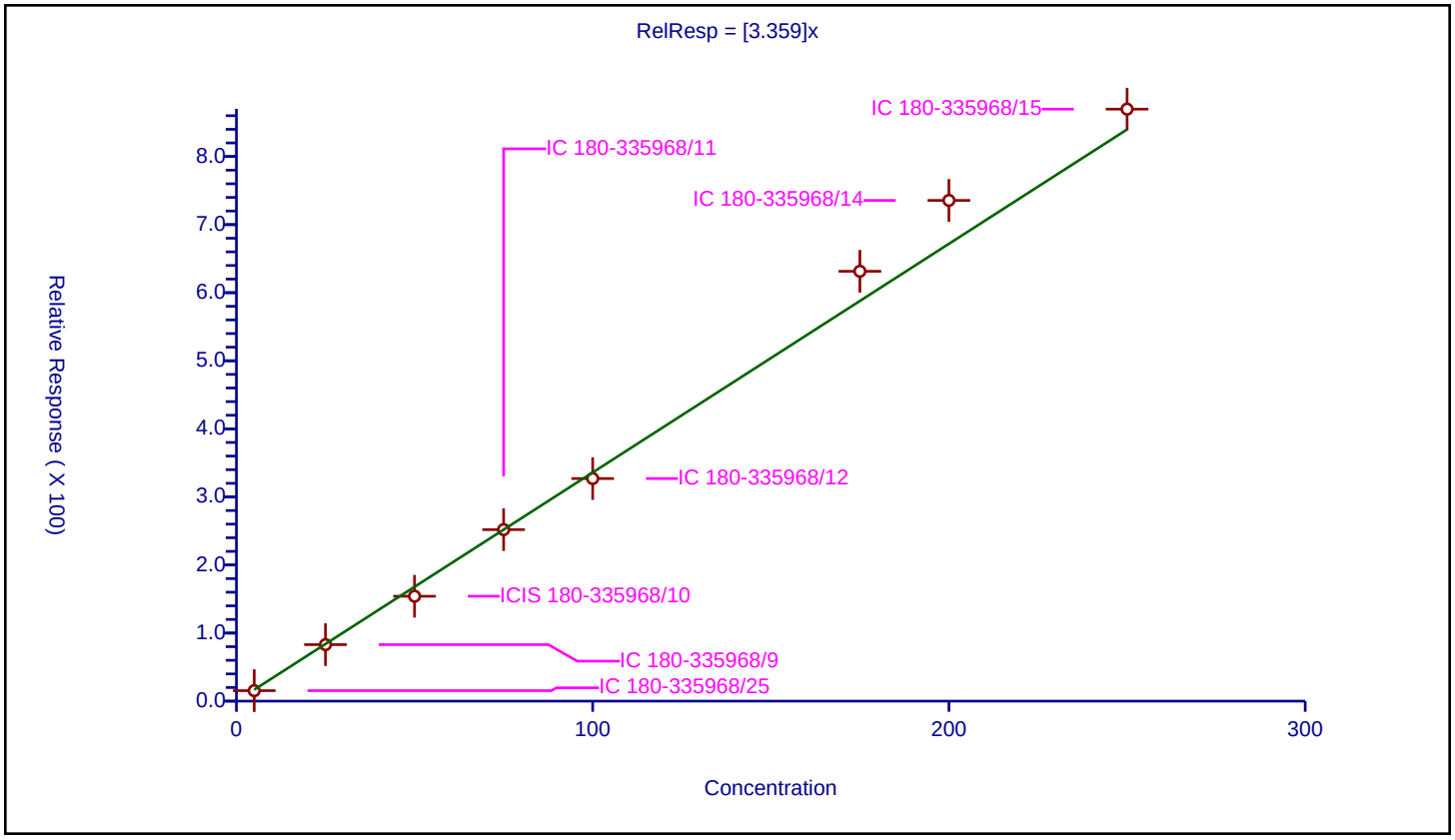
Curve Coefficients

Intercept:	0
Slope:	3.359

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	15.383927	50.0	78244.0	3.076785	Y
2	IC 180-335968/9	25.0	82.998424	50.0	123118.0	3.319937	Y
3	ICIS 180-335968/10	50.0	154.110529	50.0	137014.0	3.082211	Y
4	IC 180-335968/11	75.0	251.954727	50.0	124135.0	3.359396	Y
5	IC 180-335968/12	100.0	326.994113	50.0	123664.0	3.269941	Y
6	IC 180-335968/13	175.0	631.460051	50.0	119941.0	3.608343	Y
7	IC 180-335968/14	200.0	735.57314	50.0	132184.0	3.677866	Y
8	IC 180-335968/15	250.0	869.650763	50.0	135295.0	3.478603	Y



Calibration / Ethylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

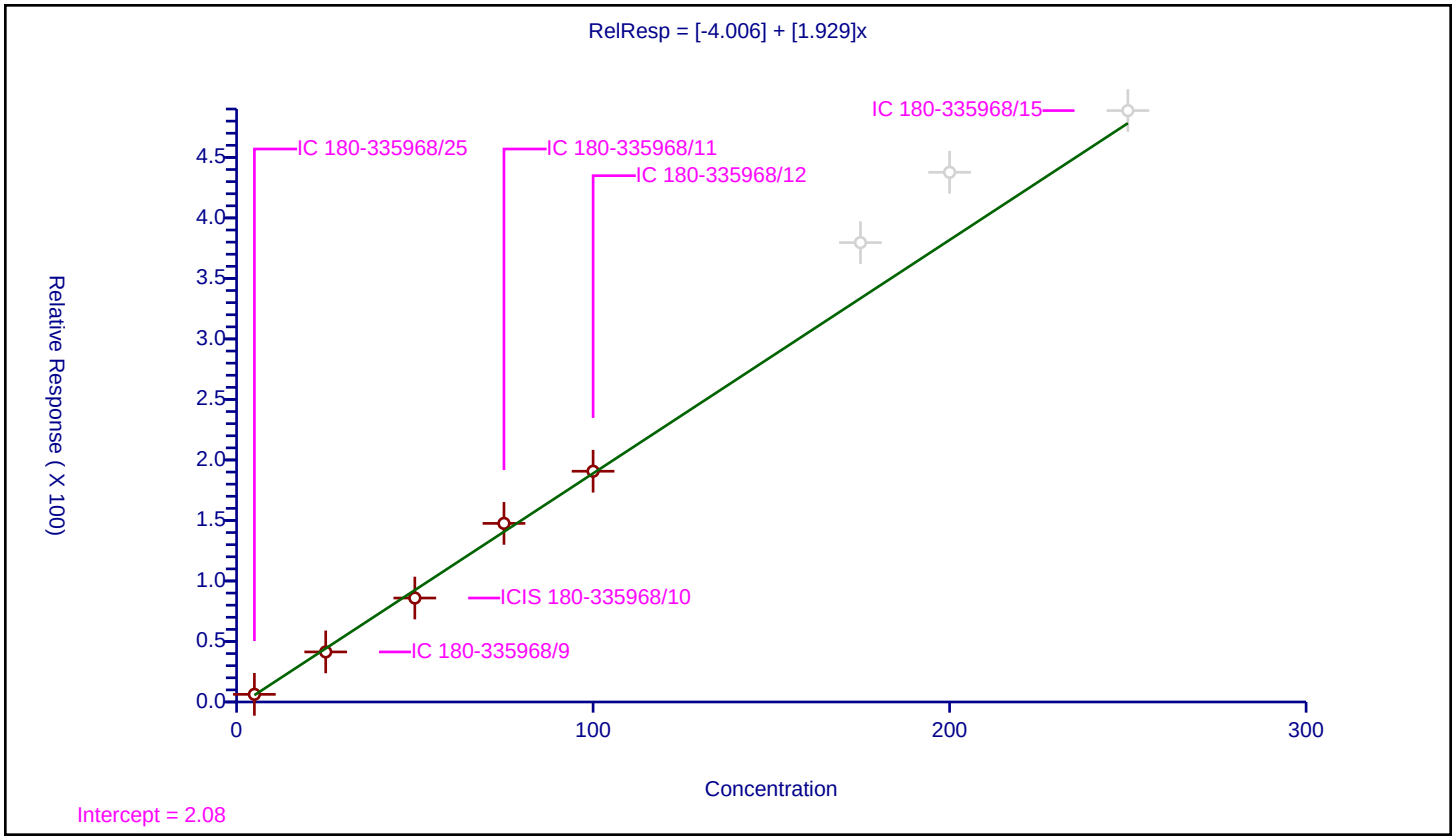
Curve Coefficients

Intercept:	-4.006
Slope:	1.929

Error Coefficients

Standard Error:	375000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.311666	50.0	78244.0	1.262333	Y
2	IC 180-335968/9	25.0	41.37088	50.0	123118.0	1.654835	Y
3	ICIS 180-335968/10	50.0	85.907644	50.0	137014.0	1.718153	Y
4	IC 180-335968/11	75.0	147.581665	50.0	124135.0	1.967756	Y
5	IC 180-335968/12	100.0	190.693735	50.0	123664.0	1.906937	Y
6	IC 180-335968/13	175.0	379.618729	50.0	119941.0	2.16925	N
7	IC 180-335968/14	200.0	437.711826	50.0	132184.0	2.188559	N
8	IC 180-335968/15	250.0	488.693595	50.0	135295.0	1.954774	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

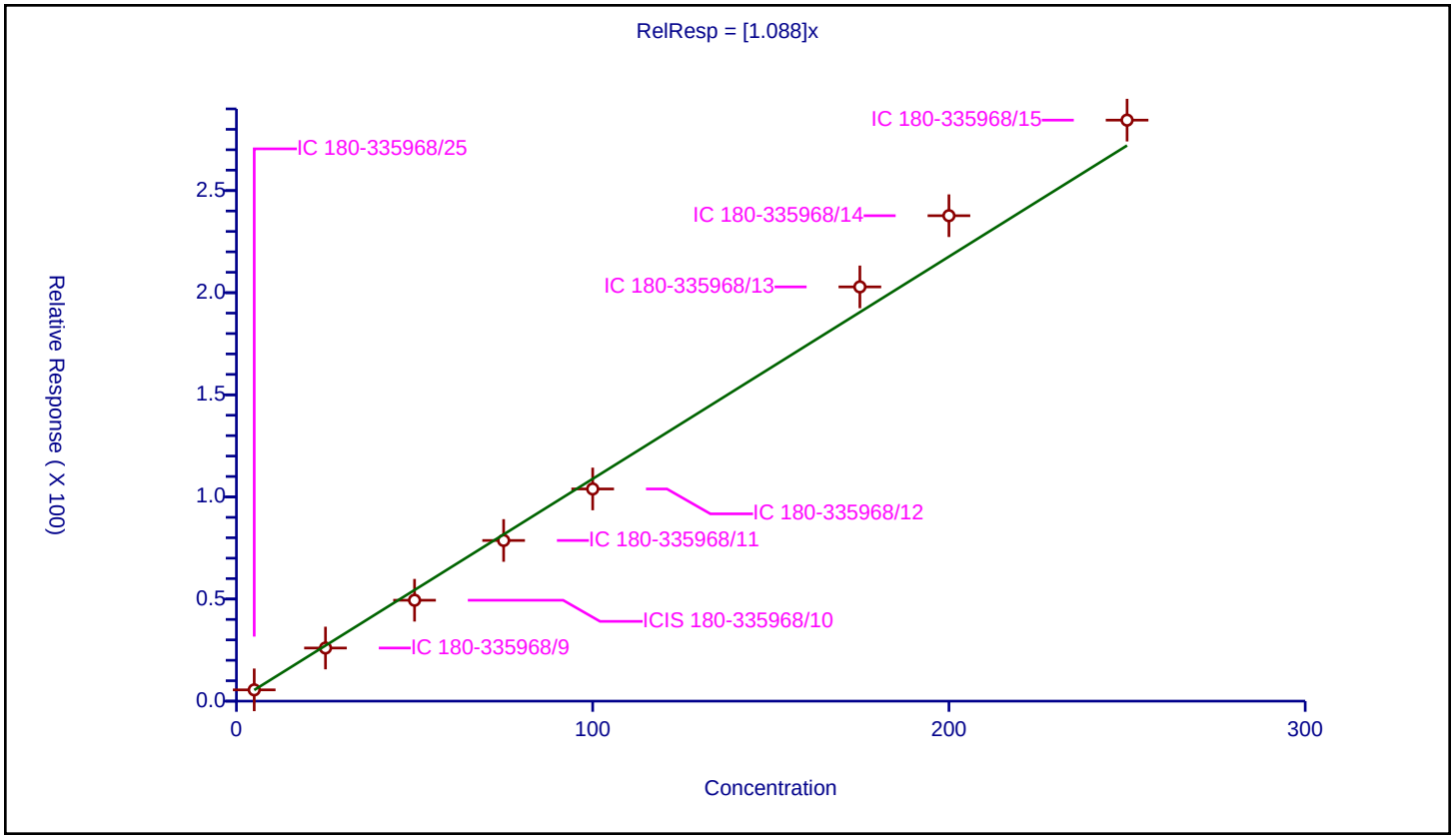
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Standard Error:	439000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.52119	50.0	78244.0	1.104238	Y
2	IC 180-335968/9	25.0	26.015692	50.0	123118.0	1.040628	Y
3	ICIS 180-335968/10	50.0	49.409549	50.0	137014.0	0.988191	Y
4	IC 180-335968/11	75.0	78.67201	50.0	124135.0	1.04896	Y
5	IC 180-335968/12	100.0	103.900084	50.0	123664.0	1.039001	Y
6	IC 180-335968/13	175.0	202.841397	50.0	119941.0	1.159094	Y
7	IC 180-335968/14	200.0	237.703126	50.0	132184.0	1.188516	Y
8	IC 180-335968/15	250.0	284.501645	50.0	135295.0	1.138007	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

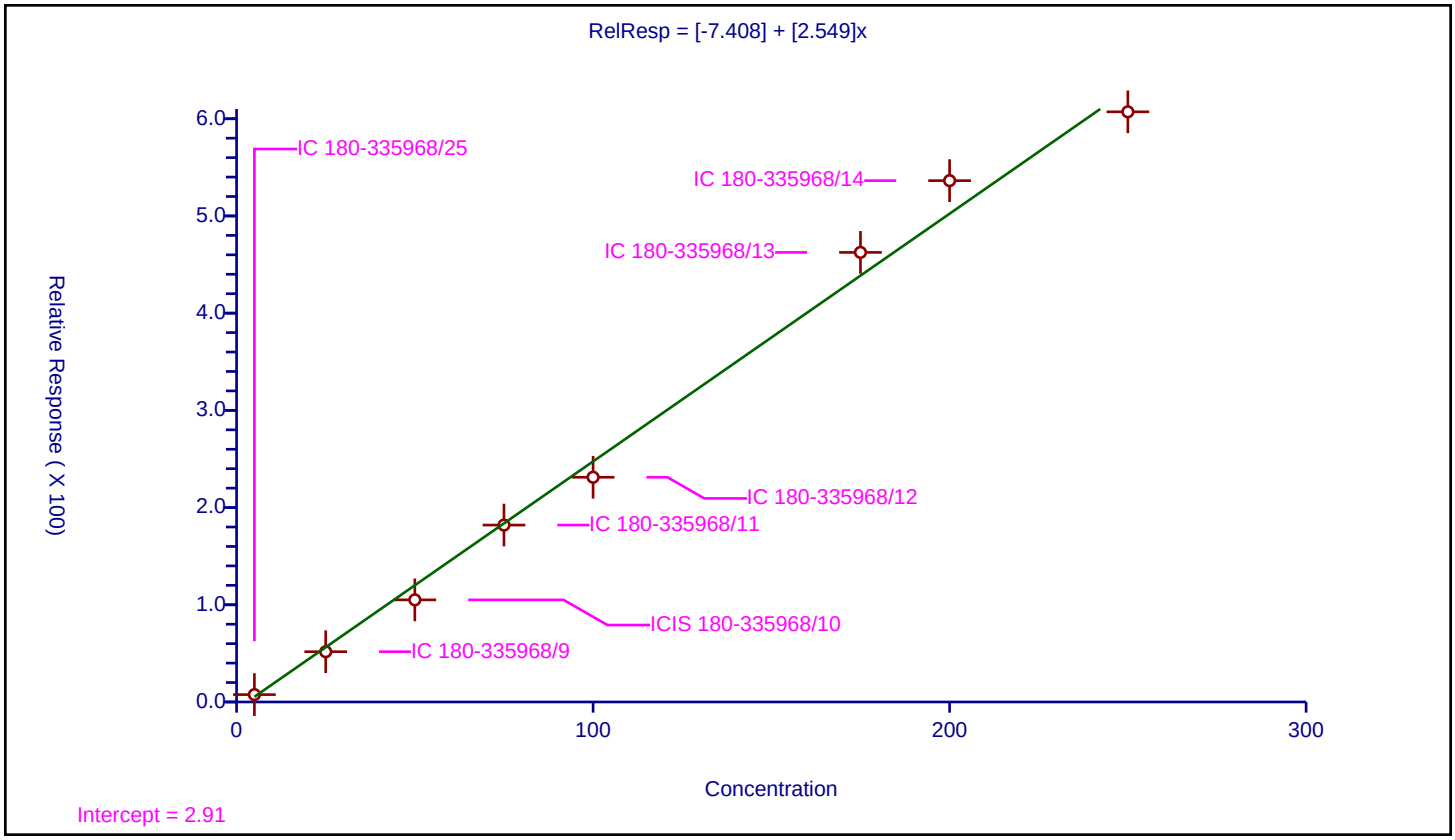
Curve Coefficients

Intercept:	-7.408
Slope:	2.549

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	7.598027	50.0	78244.0	1.519605	Y
2	IC 180-335968/9	25.0	51.714615	50.0	123118.0	2.068585	Y
3	ICIS 180-335968/10	50.0	105.060432	50.0	137014.0	2.101209	Y
4	IC 180-335968/11	75.0	182.003464	50.0	124135.0	2.426713	Y
5	IC 180-335968/12	100.0	231.176818	50.0	123664.0	2.311768	Y
6	IC 180-335968/13	175.0	462.491975	50.0	119941.0	2.642811	Y
7	IC 180-335968/14	200.0	536.32777	50.0	132184.0	2.681639	Y
8	IC 180-335968/15	250.0	607.121475	50.0	135295.0	2.428486	Y



Calibration / o-Xylene

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

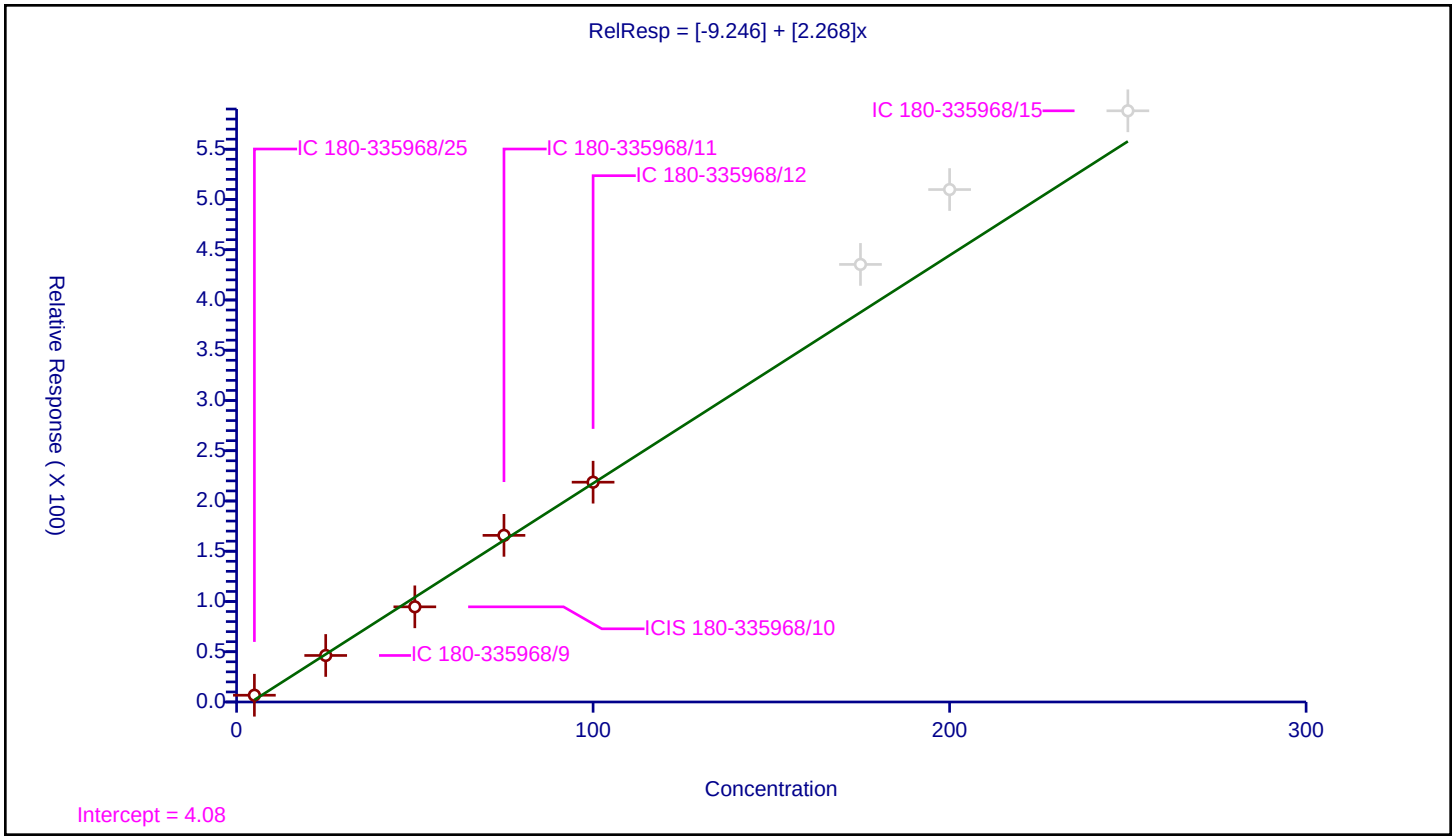
Curve Coefficients

Intercept:	-9.246
Slope:	2.268

Error Coefficients

Standard Error:	425000
Relative Standard Error:	24.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.720004	50.0	78244.0	1.344001	Y
2	IC 180-335968/9	25.0	46.282834	50.0	123118.0	1.851313	Y
3	ICIS 180-335968/10	50.0	94.68412	50.0	137014.0	1.893682	Y
4	IC 180-335968/11	75.0	165.792887	50.0	124135.0	2.210572	Y
5	IC 180-335968/12	100.0	218.692182	50.0	123664.0	2.186922	Y
6	IC 180-335968/13	175.0	435.366555	50.0	119941.0	2.487809	N
7	IC 180-335968/14	200.0	509.881302	50.0	132184.0	2.549407	N
8	IC 180-335968/15	250.0	588.227577	50.0	135295.0	2.35291	N



Calibration / Styrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

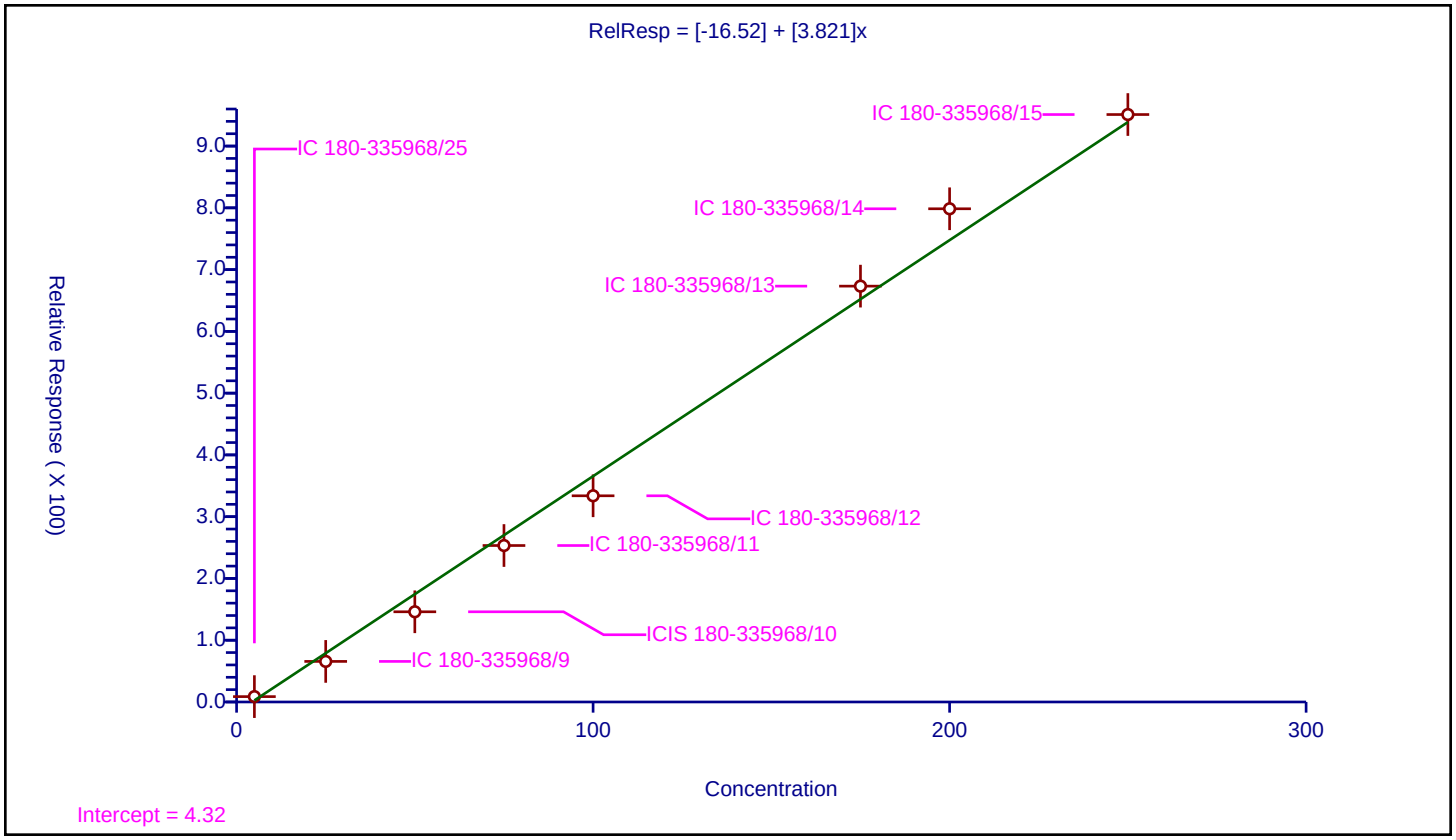
Curve Coefficients

Intercept:	-16.52
Slope:	3.821

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	16.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.67926	50.0	78244.0	1.735852	Y
2	IC 180-335968/9	25.0	65.684547	50.0	123118.0	2.627382	Y
3	ICIS 180-335968/10	50.0	146.051133	50.0	137014.0	2.921023	Y
4	IC 180-335968/11	75.0	253.316953	50.0	124135.0	3.377559	Y
5	IC 180-335968/12	100.0	333.816228	50.0	123664.0	3.338162	Y
6	IC 180-335968/13	175.0	673.246429	50.0	119941.0	3.847122	Y
7	IC 180-335968/14	200.0	798.485066	50.0	132184.0	3.992425	Y
8	IC 180-335968/15	250.0	951.054363	50.0	135295.0	3.804217	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

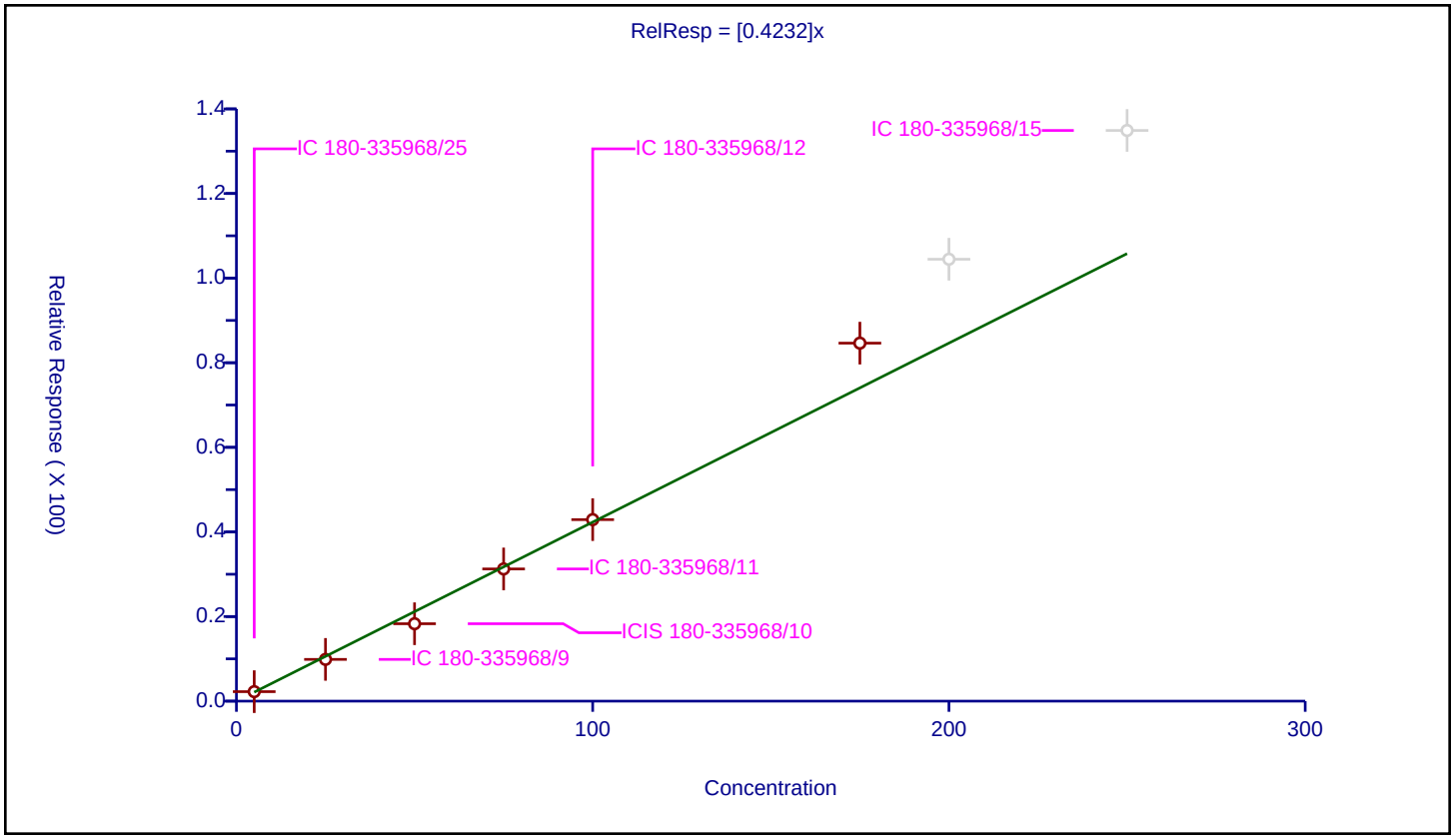
Curve Coefficients

Intercept:	0
Slope:	0.4232

Error Coefficients

Standard Error:	111000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.244901	50.0	78244.0	0.44898	Y
2	IC 180-335968/9	25.0	9.867769	50.0	123118.0	0.394711	Y
3	ICIS 180-335968/10	50.0	18.29667	50.0	137014.0	0.365933	Y
4	IC 180-335968/11	75.0	31.249849	50.0	124135.0	0.416665	Y
5	IC 180-335968/12	100.0	42.908607	50.0	123664.0	0.429086	Y
6	IC 180-335968/13	175.0	84.625774	50.0	119941.0	0.483576	Y
7	IC 180-335968/14	200.0	104.457423	50.0	132184.0	0.522287	N
8	IC 180-335968/15	250.0	134.901512	50.0	135295.0	0.539606	N



Calibration / Isopropylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

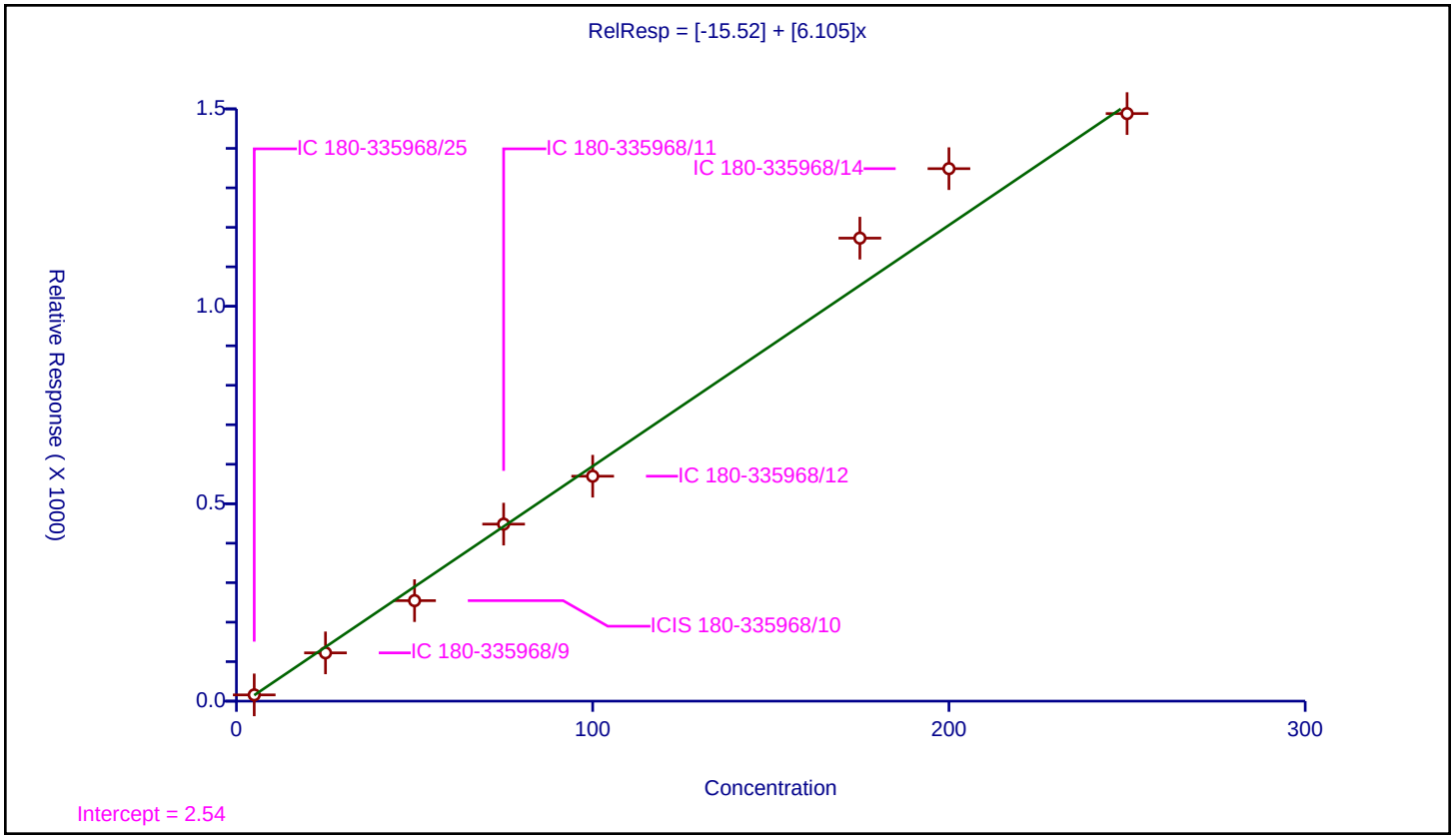
Curve Coefficients

Intercept:	-15.52
Slope:	6.105

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	15.812075	50.0	78244.0	3.162415	Y
2	IC 180-335968/9	25.0	122.272129	50.0	123118.0	4.890885	Y
3	ICIS 180-335968/10	50.0	254.576905	50.0	137014.0	5.091538	Y
4	IC 180-335968/11	75.0	448.365489	50.0	124135.0	5.978207	Y
5	IC 180-335968/12	100.0	569.6763	50.0	123664.0	5.696763	Y
6	IC 180-335968/13	175.0	1172.661975	50.0	119941.0	6.700926	Y
7	IC 180-335968/14	200.0	1348.659066	50.0	132184.0	6.743295	Y
8	IC 180-335968/15	250.0	1488.149599	50.0	135295.0	5.952598	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

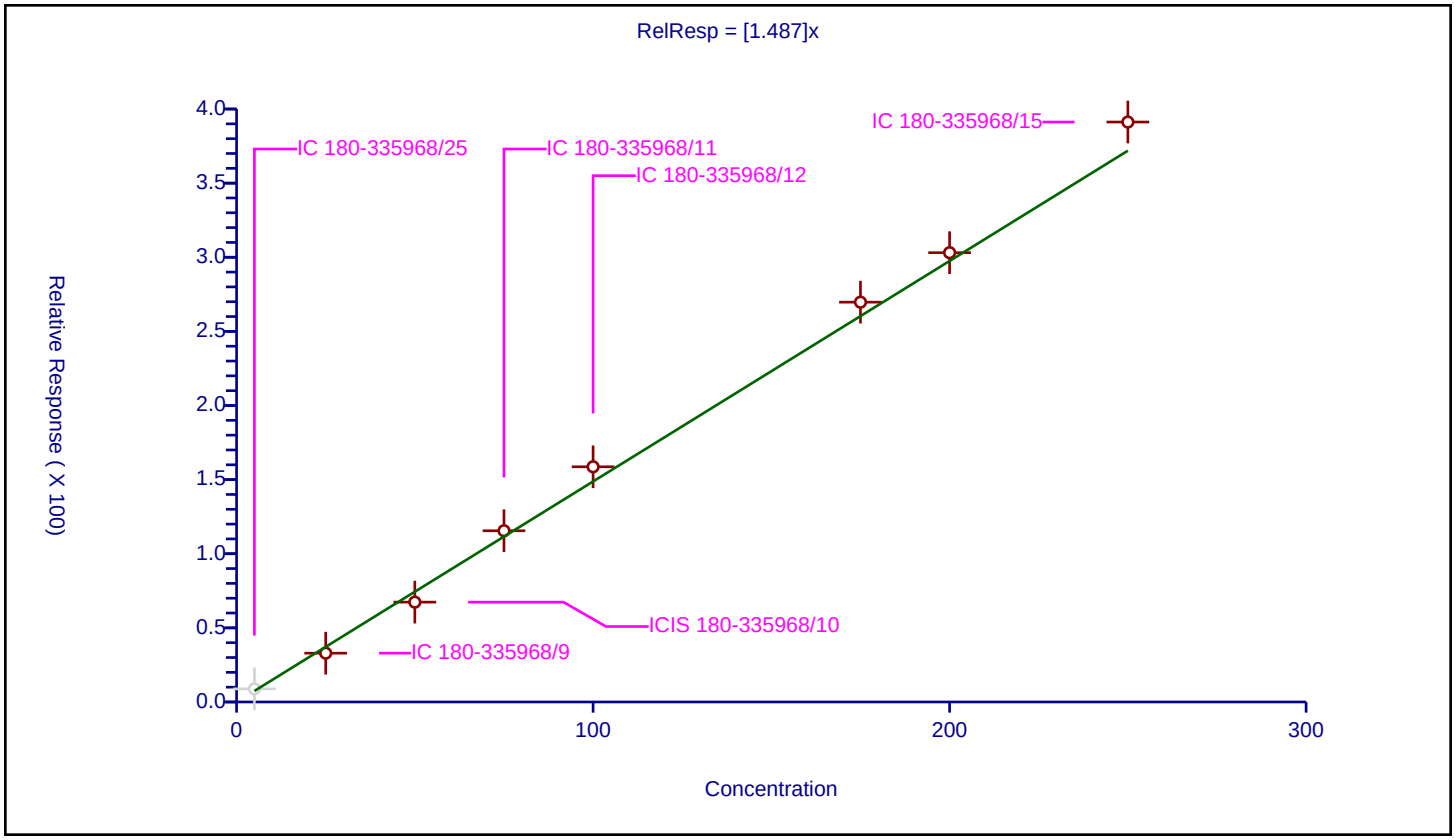
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.835821	50.0	78244.0	1.767164	N
2	IC 180-335968/9	25.0	32.927354	50.0	123118.0	1.317094	Y
3	ICIS 180-335968/10	50.0	67.349322	50.0	137014.0	1.346986	Y
4	IC 180-335968/11	75.0	115.507713	50.0	124135.0	1.540103	Y
5	IC 180-335968/12	100.0	158.663799	50.0	123664.0	1.586638	Y
6	IC 180-335968/13	175.0	269.715944	50.0	119941.0	1.541234	Y
7	IC 180-335968/14	200.0	303.094928	50.0	132184.0	1.515475	Y
8	IC 180-335968/15	250.0	391.213644	50.0	135295.0	1.564855	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

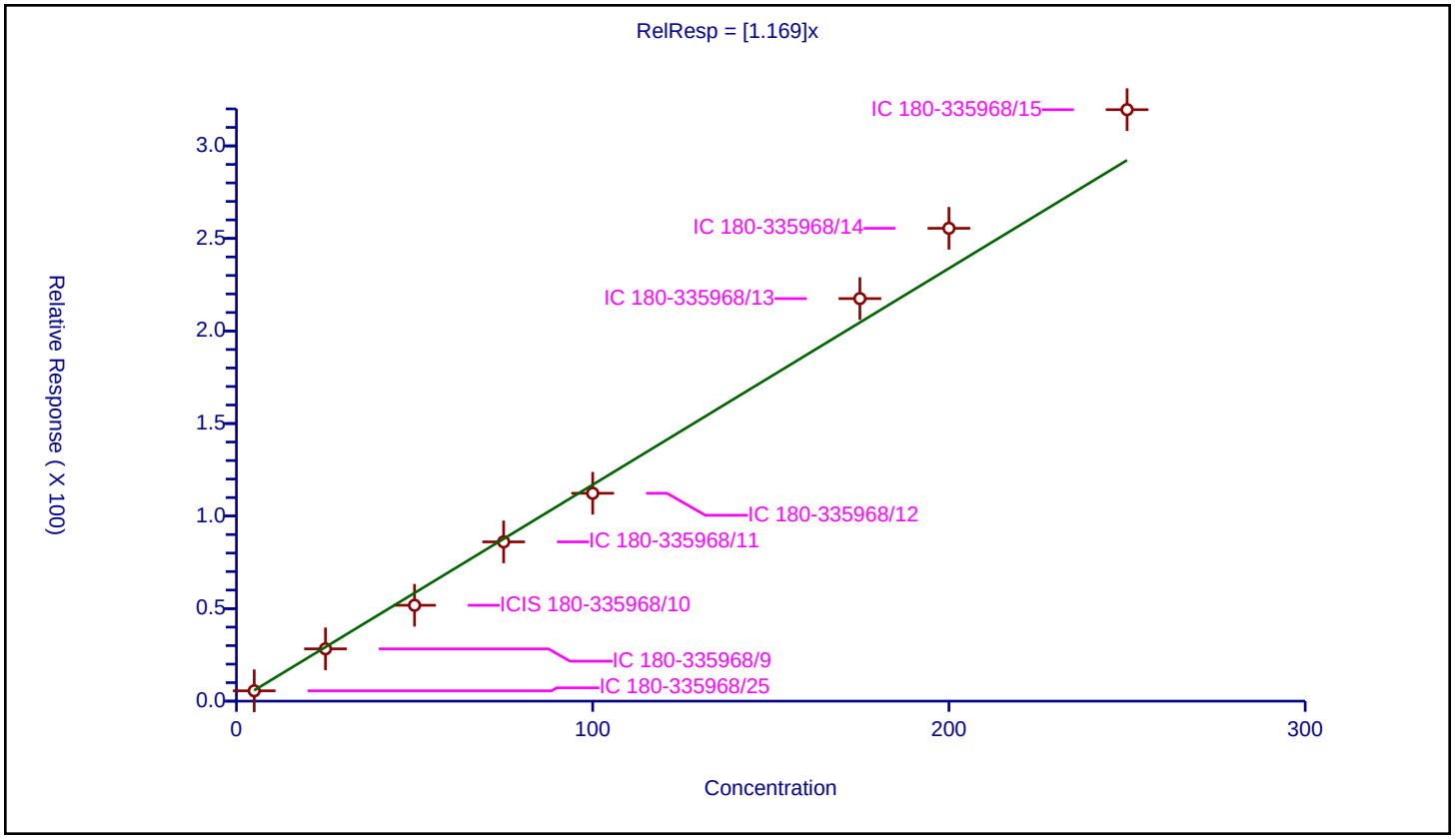
Curve Coefficients

Intercept:	0
Slope:	1.169

Error Coefficients

Standard Error:	482000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.589566	50.0	78244.0	1.117913	Y
2	IC 180-335968/9	25.0	28.252977	50.0	123118.0	1.130119	Y
3	ICIS 180-335968/10	50.0	51.80456	50.0	137014.0	1.036091	Y
4	IC 180-335968/11	75.0	86.051476	50.0	124135.0	1.147353	Y
5	IC 180-335968/12	100.0	112.317651	50.0	123664.0	1.123177	Y
6	IC 180-335968/13	175.0	217.504023	50.0	119941.0	1.24288	Y
7	IC 180-335968/14	200.0	255.487427	50.0	132184.0	1.277437	Y
8	IC 180-335968/15	250.0	319.582764	50.0	135295.0	1.278331	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

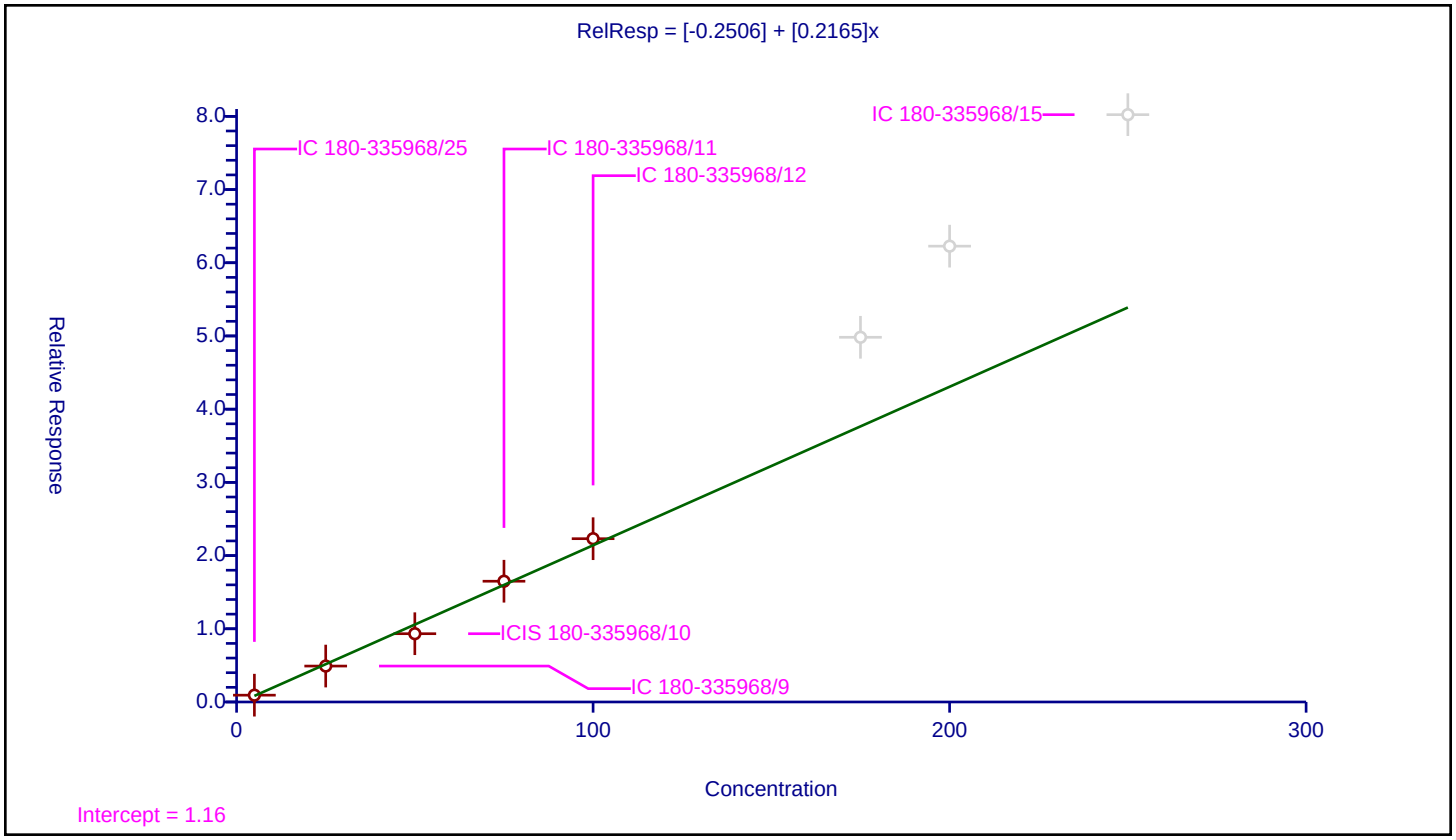
Curve Coefficients

Intercept:	-0.2506
Slope:	0.2165

Error Coefficients

Standard Error:	61500
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.928947	50.0	91017.0	0.185789	Y
2	IC 180-335968/9	25.0	4.910075	50.0	164692.0	0.196403	Y
3	ICIS 180-335968/10	50.0	9.327614	50.0	191051.0	0.186552	Y
4	IC 180-335968/11	75.0	16.493989	50.0	177595.0	0.21992	Y
5	IC 180-335968/12	100.0	22.305749	50.0	179317.0	0.223057	Y
6	IC 180-335968/13	175.0	49.820523	50.0	161023.0	0.284689	N
7	IC 180-335968/14	200.0	62.26677	50.0	177614.0	0.311334	N
8	IC 180-335968/15	250.0	80.226347	50.0	182728.0	0.320905	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

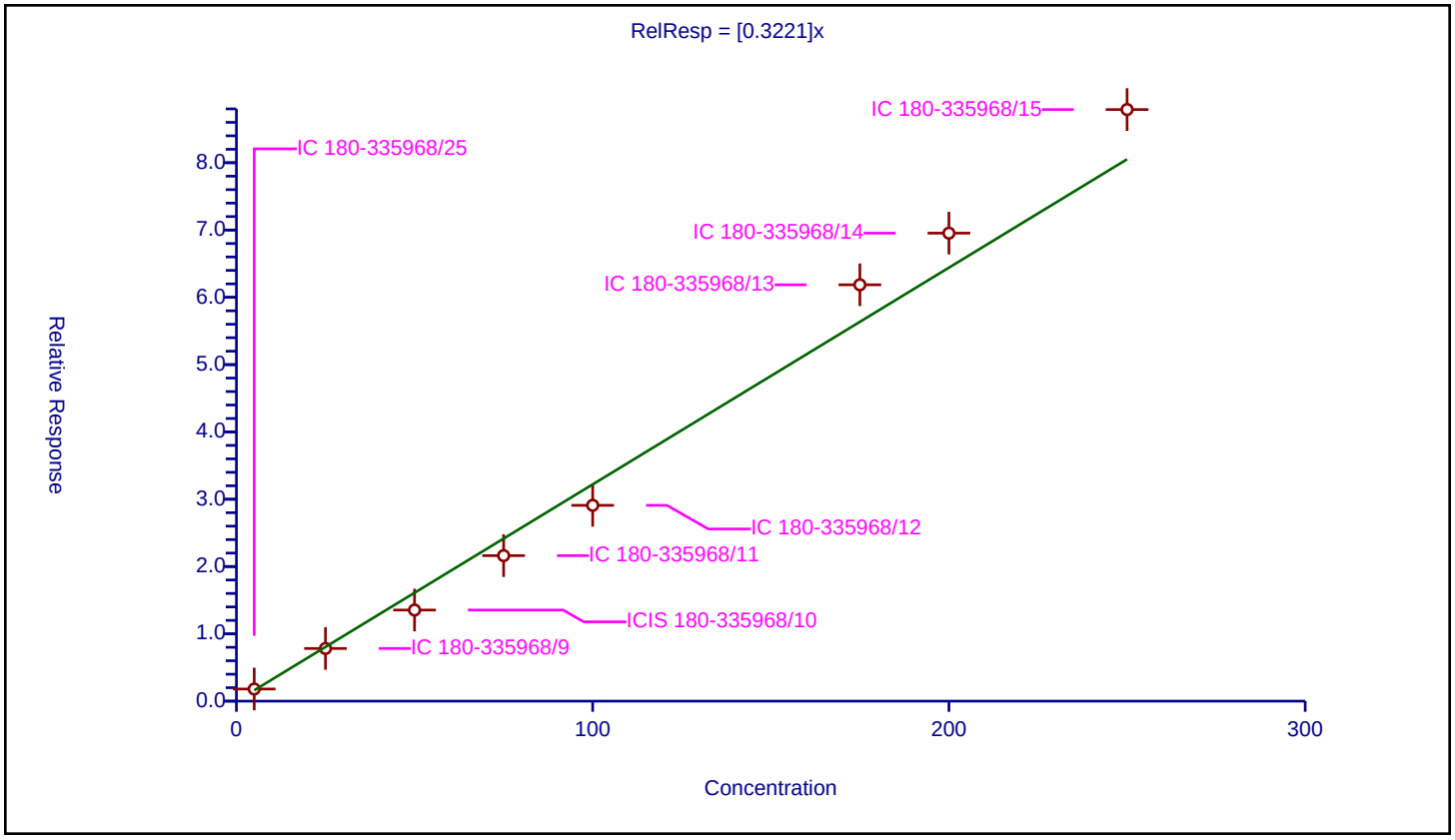
Curve Coefficients

Intercept:	0
Slope:	0.3221

Error Coefficients

Standard Error:	179000
Relative Standard Error:	11.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.803509	50.0	91017.0	0.360702	Y
2	IC 180-335968/9	25.0	7.825213	50.0	164692.0	0.313009	Y
3	ICIS 180-335968/10	50.0	13.535653	50.0	191051.0	0.270713	Y
4	IC 180-335968/11	75.0	21.623357	50.0	177595.0	0.288311	Y
5	IC 180-335968/12	100.0	29.092613	50.0	179317.0	0.290926	Y
6	IC 180-335968/13	175.0	61.863833	50.0	161023.0	0.353508	Y
7	IC 180-335968/14	200.0	69.536467	50.0	177614.0	0.347682	Y
8	IC 180-335968/15	250.0	87.902237	50.0	182728.0	0.351609	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

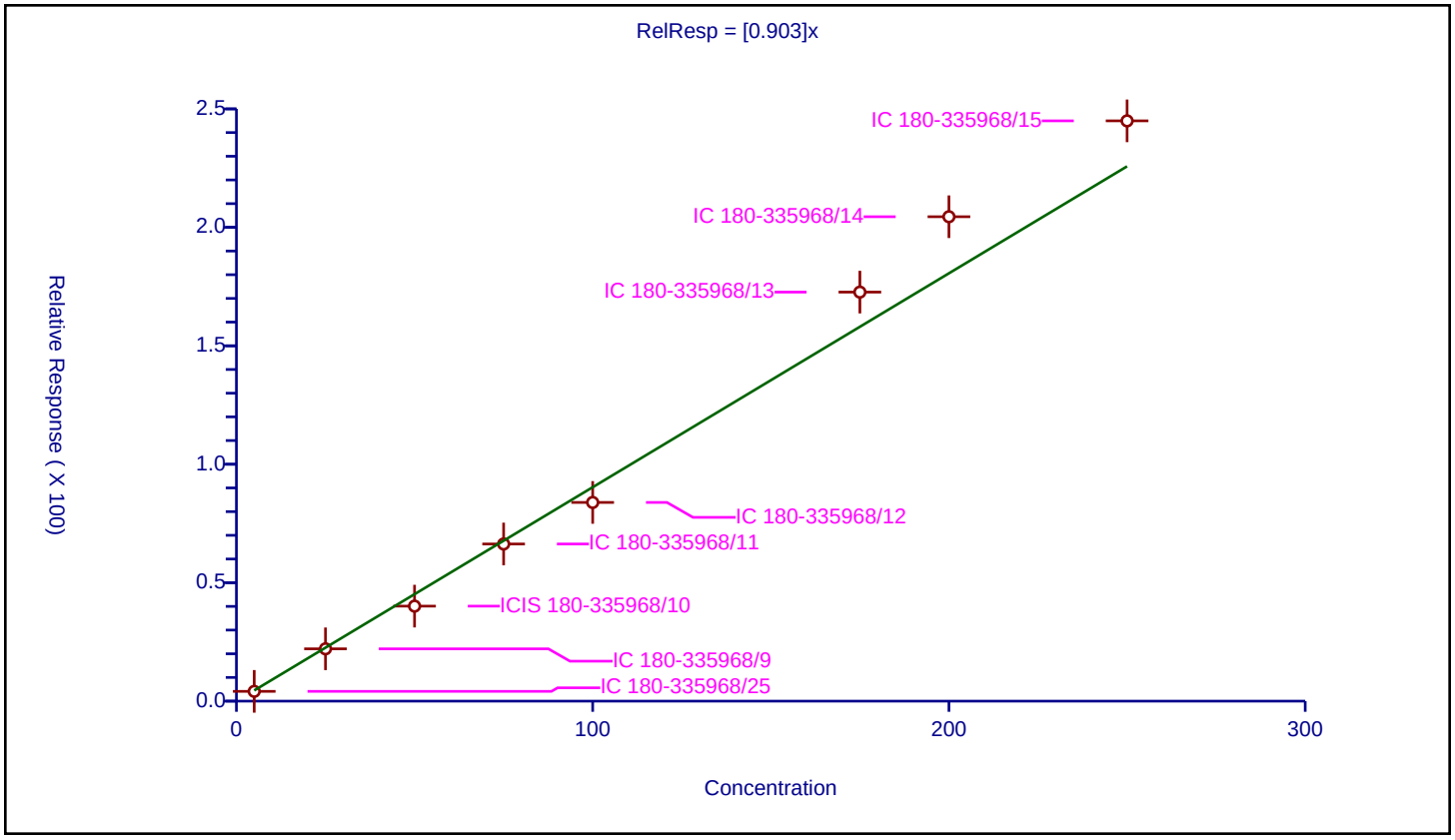
Curve Coefficients

Intercept:	0
Slope:	0.903

Error Coefficients

Standard Error:	509000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	4.131646	50.0	91017.0	0.826329	Y
2	IC 180-335968/9	25.0	22.083343	50.0	164692.0	0.883334	Y
3	ICIS 180-335968/10	50.0	40.111541	50.0	191051.0	0.802231	Y
4	IC 180-335968/11	75.0	66.334356	50.0	177595.0	0.884458	Y
5	IC 180-335968/12	100.0	83.871022	50.0	179317.0	0.83871	Y
6	IC 180-335968/13	175.0	172.657322	50.0	161023.0	0.986613	Y
7	IC 180-335968/14	200.0	204.474309	50.0	177614.0	1.022372	Y
8	IC 180-335968/15	250.0	244.946314	50.0	182728.0	0.979785	Y



Calibration / N-Propylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

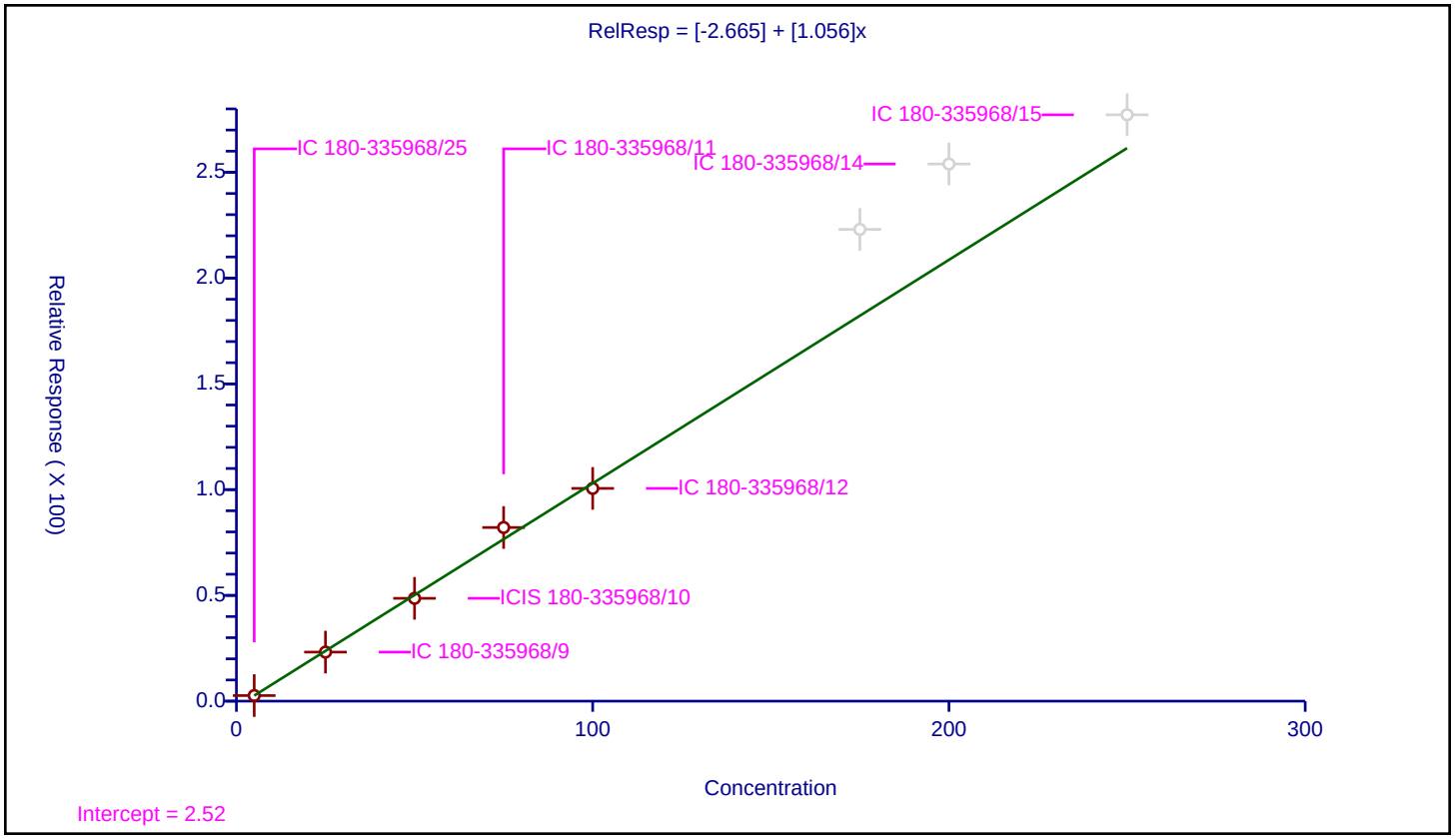
Curve Coefficients

Intercept:	-2.665
Slope:	1.056

Error Coefficients

Standard Error:	292000
Relative Standard Error:	4.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.63687	50.0	91017.0	0.527374	Y
2	IC 180-335968/9	25.0	23.187222	50.0	164692.0	0.927489	Y
3	ICIS 180-335968/10	50.0	48.607963	50.0	191051.0	0.972159	Y
4	IC 180-335968/11	75.0	82.092401	50.0	177595.0	1.094565	Y
5	IC 180-335968/12	100.0	100.571613	50.0	179317.0	1.005716	Y
6	IC 180-335968/13	175.0	223.022798	50.0	161023.0	1.274416	N
7	IC 180-335968/14	200.0	253.940568	50.0	177614.0	1.269703	N
8	IC 180-335968/15	250.0	277.210389	50.0	182728.0	1.108842	N



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

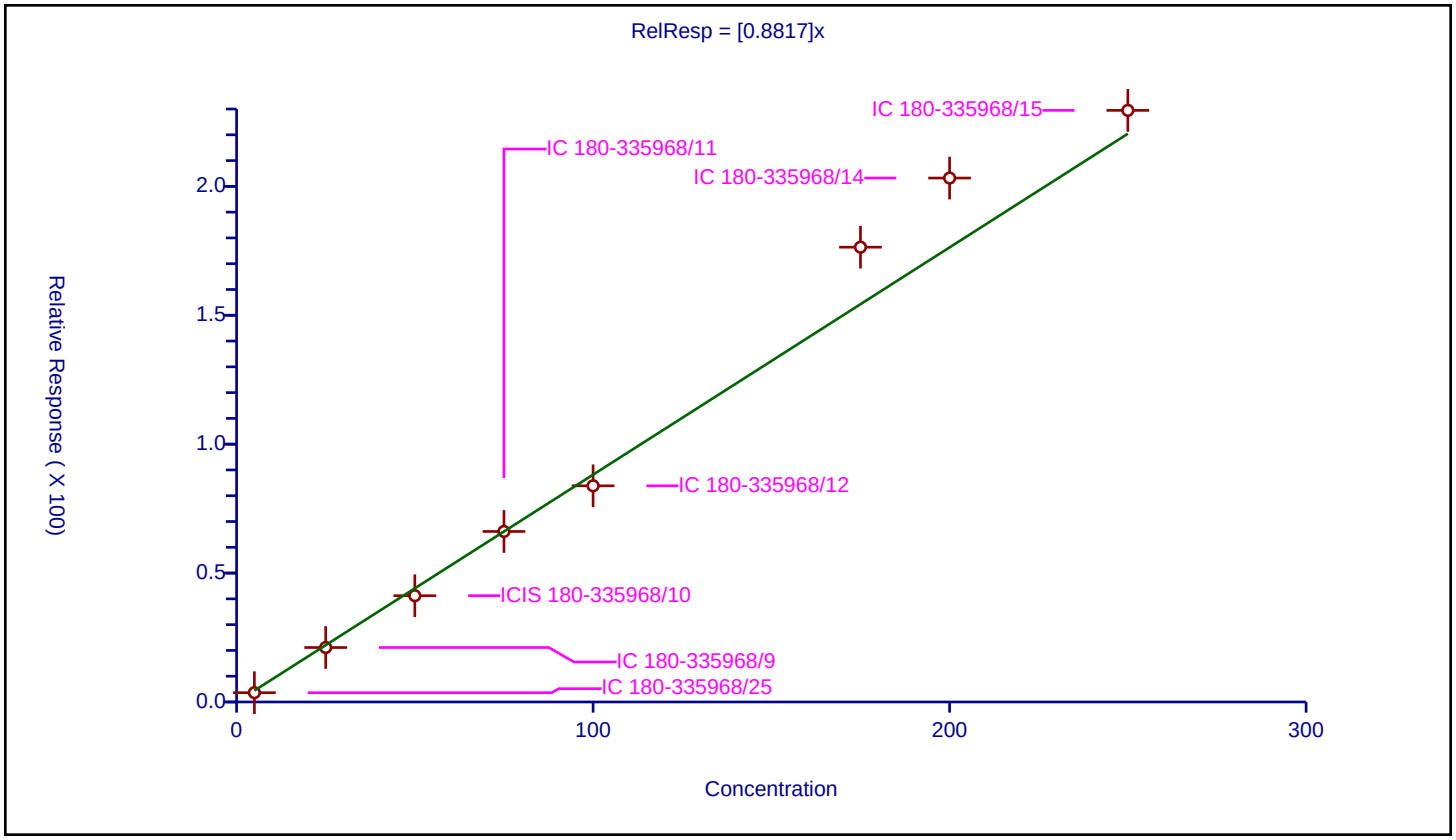
Curve Coefficients

Intercept:	0
Slope:	0.8817

Error Coefficients

Standard Error:	496000
Relative Standard Error:	11.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.607018	50.0	91017.0	0.721404	Y
2	IC 180-335968/9	25.0	21.12337	50.0	164692.0	0.844935	Y
3	ICIS 180-335968/10	50.0	41.221716	50.0	191051.0	0.824434	Y
4	IC 180-335968/11	75.0	66.141502	50.0	177595.0	0.881887	Y
5	IC 180-335968/12	100.0	83.844253	50.0	179317.0	0.838443	Y
6	IC 180-335968/13	175.0	176.412376	50.0	161023.0	1.008071	Y
7	IC 180-335968/14	200.0	203.224689	50.0	177614.0	1.016123	Y
8	IC 180-335968/15	250.0	229.476325	50.0	182728.0	0.917905	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

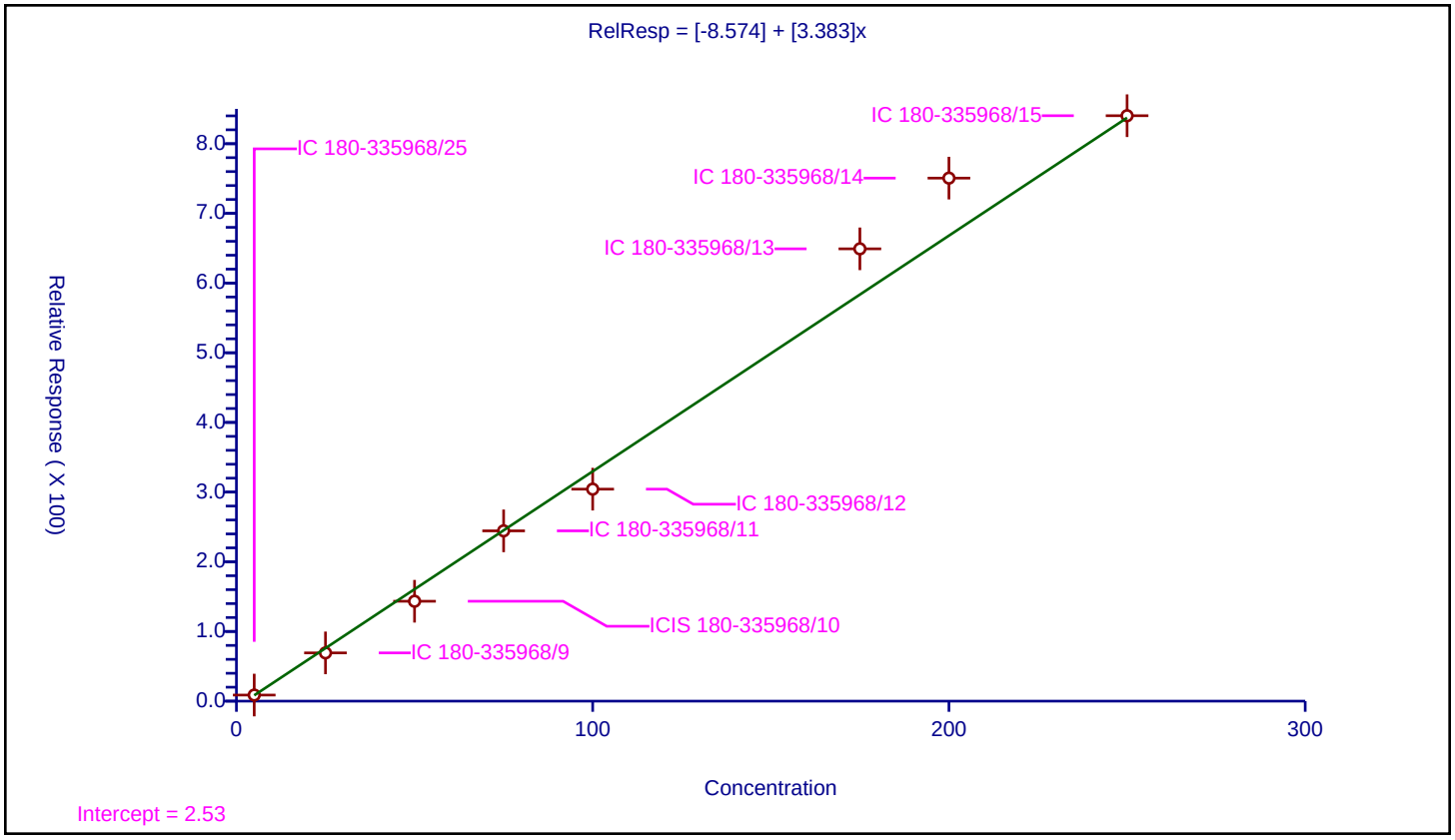
Curve Coefficients

Intercept:	-8.574
Slope:	3.383

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.746718	50.0	91017.0	1.749344	Y
2	IC 180-335968/9	25.0	69.243497	50.0	164692.0	2.76974	Y
3	ICIS 180-335968/10	50.0	143.351513	50.0	191051.0	2.86703	Y
4	IC 180-335968/11	75.0	244.404685	50.0	177595.0	3.258729	Y
5	IC 180-335968/12	100.0	304.26089	50.0	179317.0	3.042609	Y
6	IC 180-335968/13	175.0	649.156332	50.0	161023.0	3.709465	Y
7	IC 180-335968/14	200.0	750.670274	50.0	177614.0	3.753351	Y
8	IC 180-335968/15	250.0	840.202651	50.0	182728.0	3.360811	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

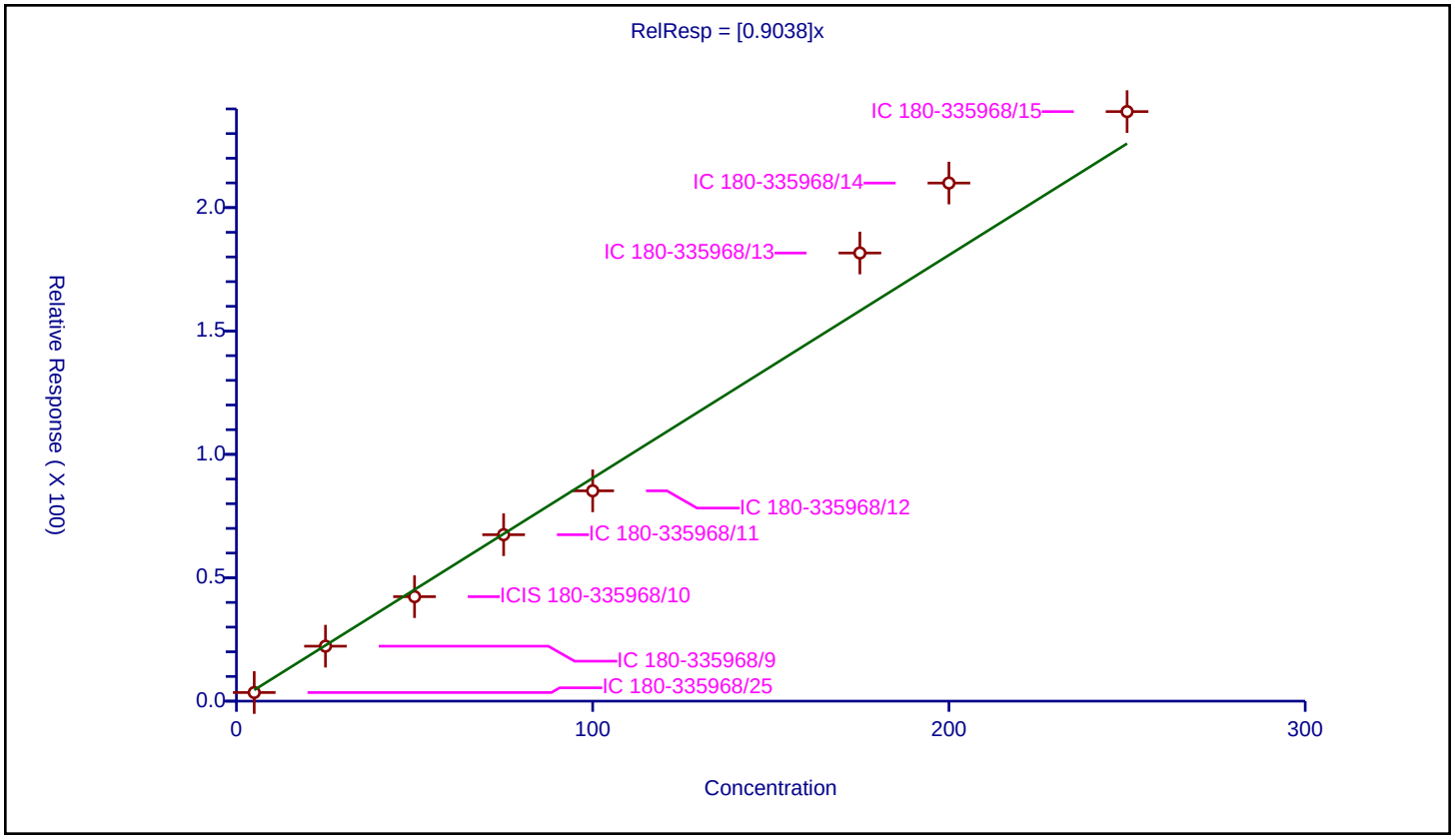
Curve Coefficients

Intercept:	0
Slope:	0.9038

Error Coefficients

Standard Error:	513000
Relative Standard Error:	12.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.490557	50.0	91017.0	0.698111	Y
2	IC 180-335968/9	25.0	22.276431	50.0	164692.0	0.891057	Y
3	ICIS 180-335968/10	50.0	42.334508	50.0	191051.0	0.84669	Y
4	IC 180-335968/11	75.0	67.445029	50.0	177595.0	0.899267	Y
5	IC 180-335968/12	100.0	85.225048	50.0	179317.0	0.85225	Y
6	IC 180-335968/13	175.0	181.598281	50.0	161023.0	1.037704	Y
7	IC 180-335968/14	200.0	209.950511	50.0	177614.0	1.049753	Y
8	IC 180-335968/15	250.0	238.909746	50.0	182728.0	0.955639	Y



Calibration / tert-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

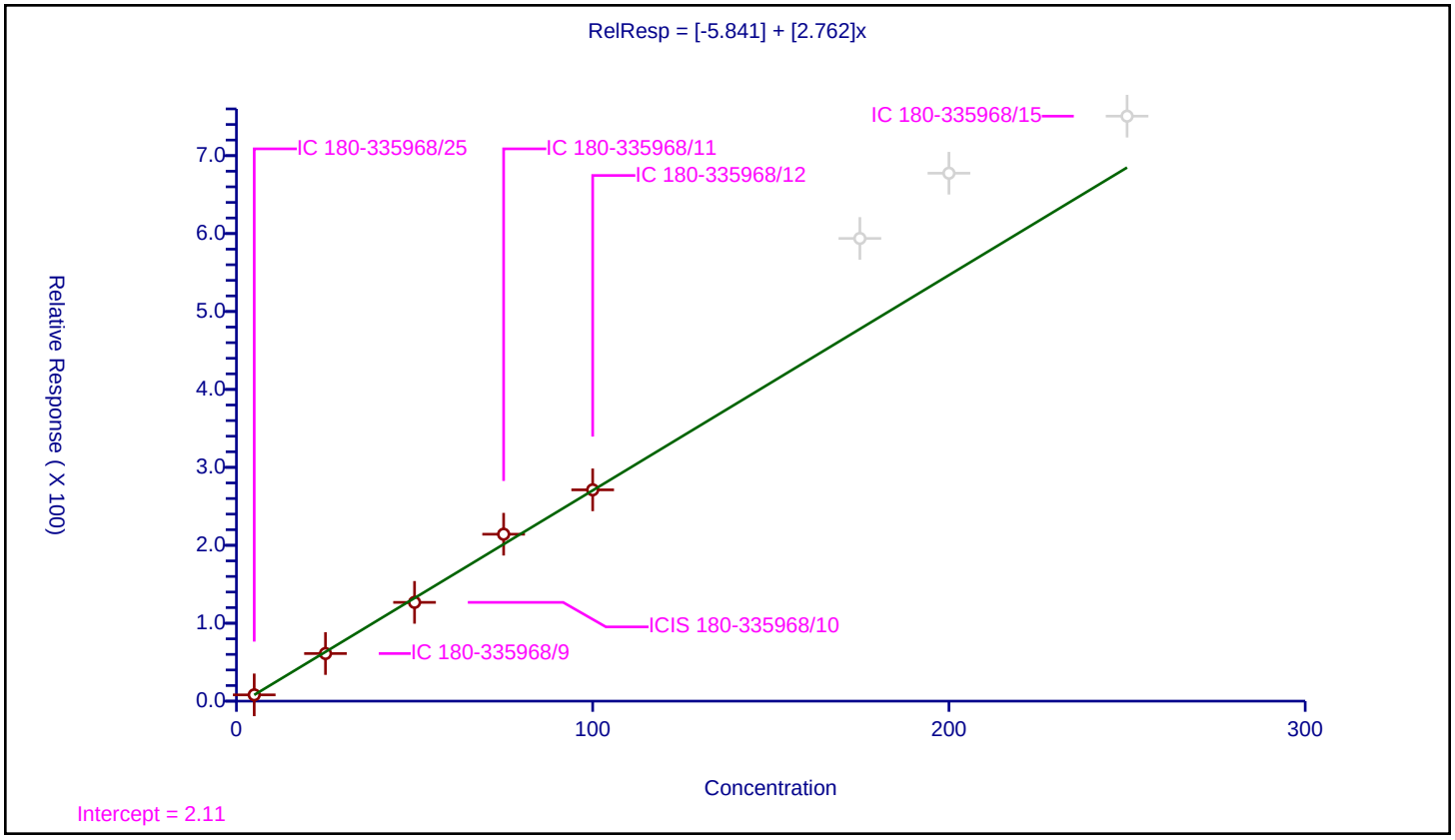
Curve Coefficients

Intercept:	-5.841
Slope:	2.762

Error Coefficients

Standard Error:	774000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.051793	50.0	91017.0	1.610359	Y
2	IC 180-335968/9	25.0	61.104365	50.0	164692.0	2.444175	Y
3	ICIS 180-335968/10	50.0	126.752804	50.0	191051.0	2.535056	Y
4	IC 180-335968/11	75.0	214.204792	50.0	177595.0	2.856064	Y
5	IC 180-335968/12	100.0	271.162243	50.0	179317.0	2.711622	Y
6	IC 180-335968/13	175.0	593.71301	50.0	161023.0	3.392646	N
7	IC 180-335968/14	200.0	677.461799	50.0	177614.0	3.387309	N
8	IC 180-335968/15	250.0	750.65644	50.0	182728.0	3.002626	N



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

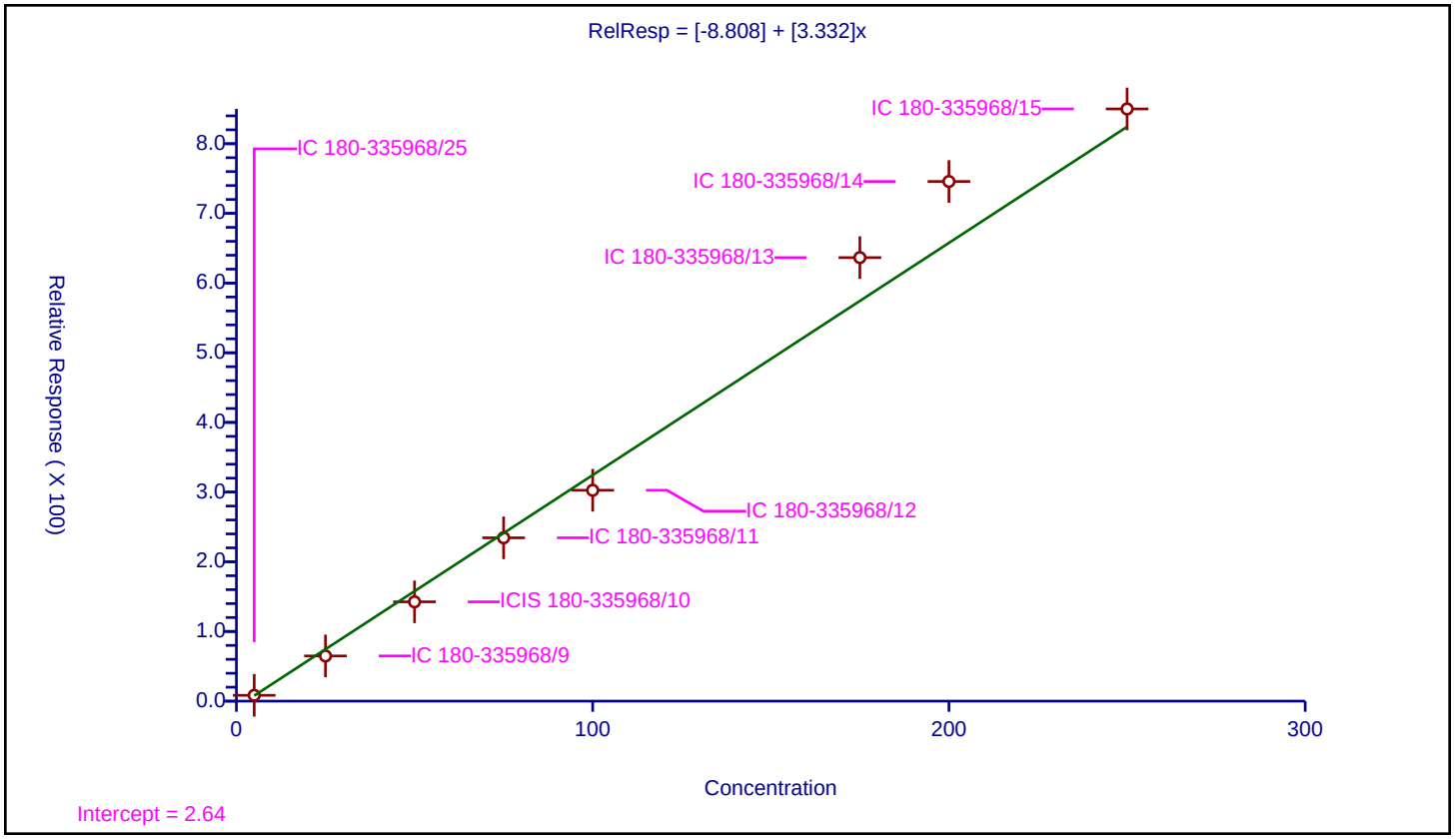
Curve Coefficients

Intercept:	-8.808
Slope:	3.332

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	9.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.362723	50.0	91017.0	1.672545	Y
2	IC 180-335968/9	25.0	64.832839	50.0	164692.0	2.593314	Y
3	ICIS 180-335968/10	50.0	142.523462	50.0	191051.0	2.850469	Y
4	IC 180-335968/11	75.0	234.421859	50.0	177595.0	3.125625	Y
5	IC 180-335968/12	100.0	302.659536	50.0	179317.0	3.026595	Y
6	IC 180-335968/13	175.0	636.551611	50.0	161023.0	3.637438	Y
7	IC 180-335968/14	200.0	745.790591	50.0	177614.0	3.728953	Y
8	IC 180-335968/15	250.0	849.938159	50.0	182728.0	3.399753	Y



Calibration / sec-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

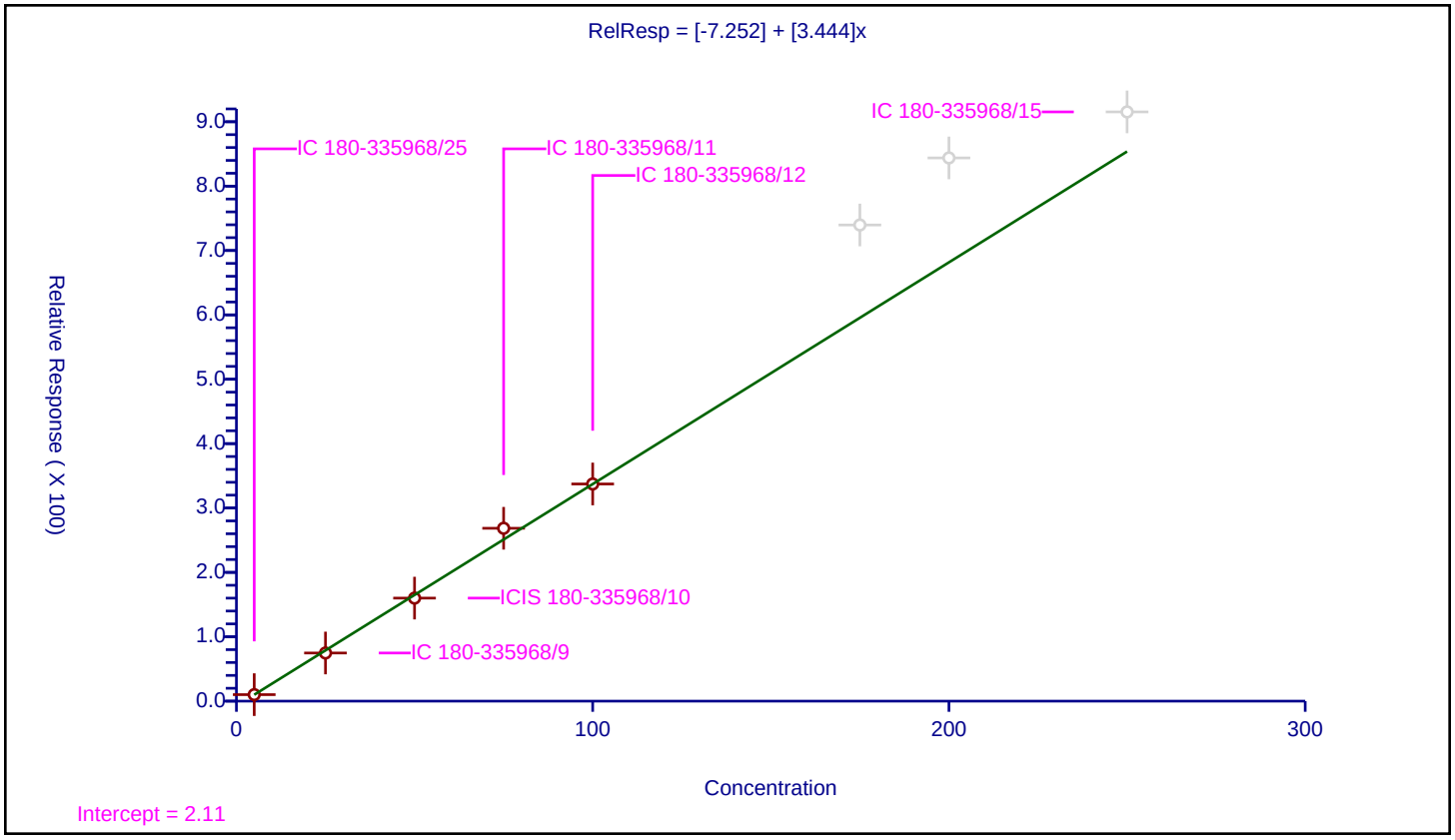
Curve Coefficients

Intercept:	-7.252
Slope:	3.444

Error Coefficients

Standard Error:	967000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	10.103607	50.0	91017.0	2.020721	Y
2	IC 180-335968/9	25.0	74.768963	50.0	164692.0	2.990759	Y
3	ICIS 180-335968/10	50.0	160.035802	50.0	191051.0	3.200716	Y
4	IC 180-335968/11	75.0	268.552606	50.0	177595.0	3.580701	Y
5	IC 180-335968/12	100.0	337.346152	50.0	179317.0	3.373462	Y
6	IC 180-335968/13	175.0	739.660483	50.0	161023.0	4.226631	N
7	IC 180-335968/14	200.0	843.834101	50.0	177614.0	4.219171	N
8	IC 180-335968/15	250.0	915.343297	50.0	182728.0	3.661373	N



Calibration / 4-Isopropyltoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

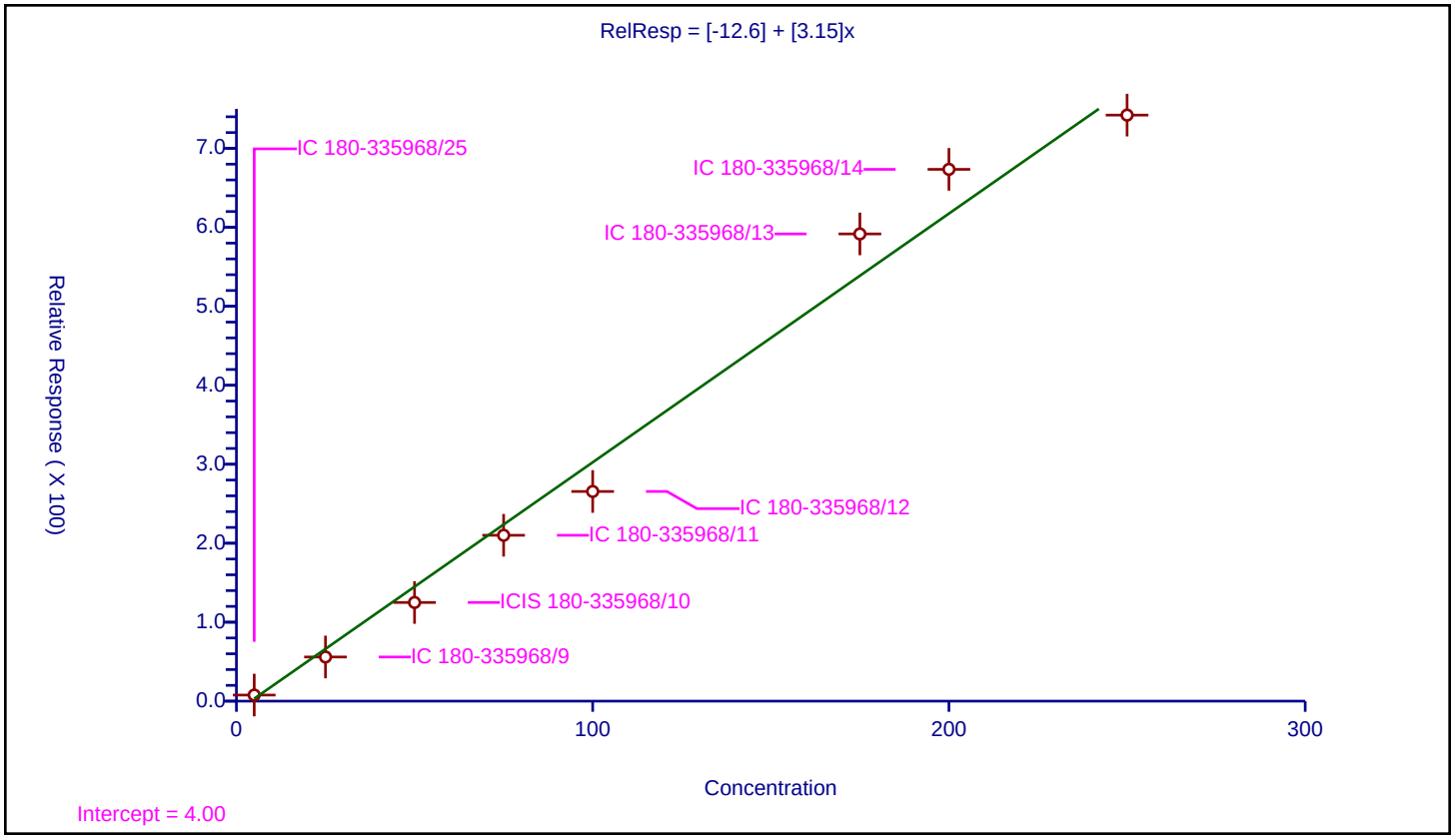
Curve Coefficients

Intercept:	-12.6
Slope:	3.15

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	15.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	7.69197	50.0	91017.0	1.538394	Y
2	IC 180-335968/9	25.0	55.911034	50.0	164692.0	2.236441	Y
3	ICIS 180-335968/10	50.0	124.941508	50.0	191051.0	2.49883	Y
4	IC 180-335968/11	75.0	210.056026	50.0	177595.0	2.800747	Y
5	IC 180-335968/12	100.0	265.527251	50.0	179317.0	2.655273	Y
6	IC 180-335968/13	175.0	591.671066	50.0	161023.0	3.380978	Y
7	IC 180-335968/14	200.0	673.45001	50.0	177614.0	3.36725	Y
8	IC 180-335968/15	250.0	742.14625	50.0	182728.0	2.968585	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

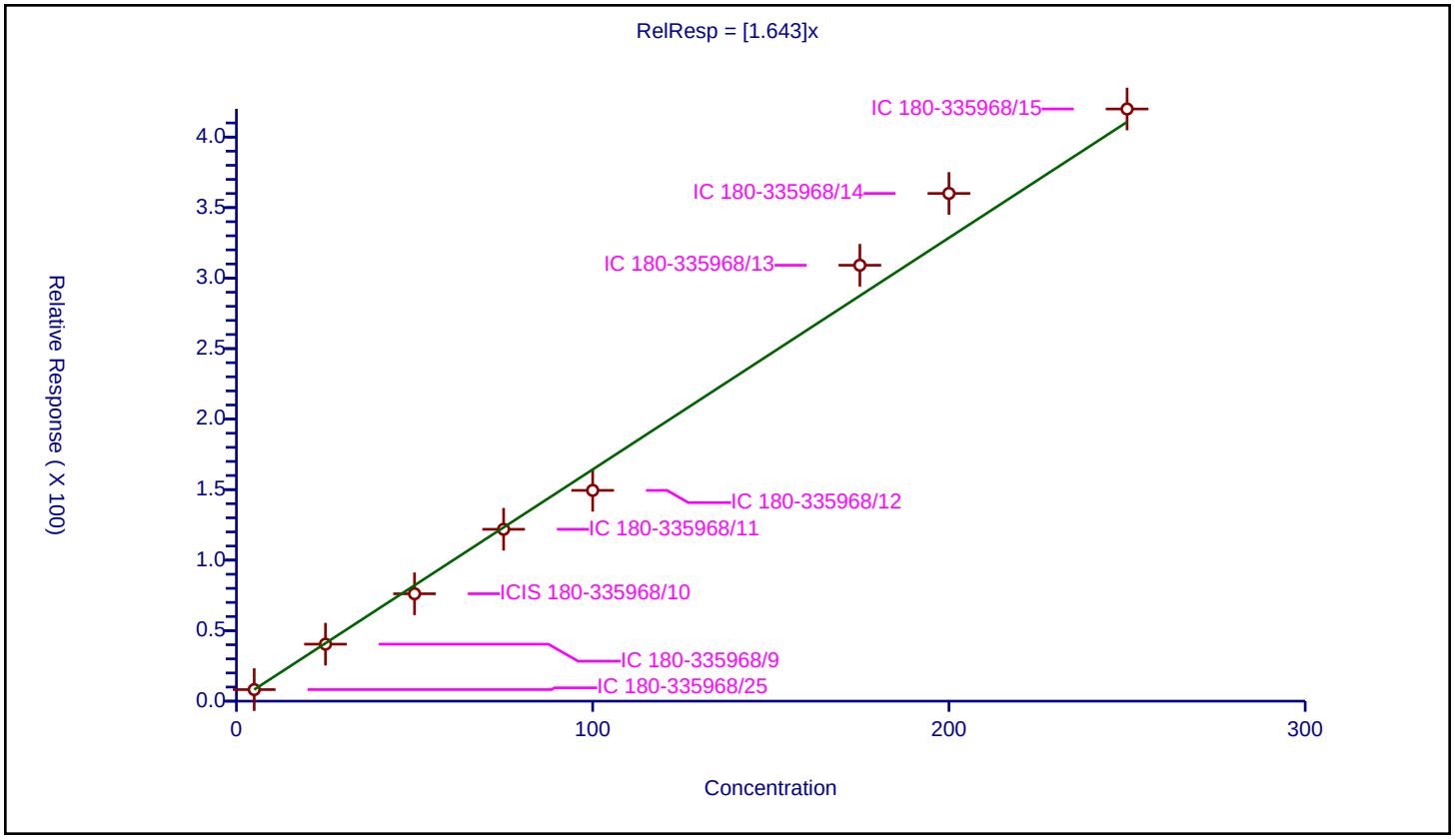
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	891000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.183636	50.0	91017.0	1.636727	Y
2	IC 180-335968/9	25.0	40.415139	50.0	164692.0	1.616606	Y
3	ICIS 180-335968/10	50.0	76.153488	50.0	191051.0	1.52307	Y
4	IC 180-335968/11	75.0	121.868296	50.0	177595.0	1.624911	Y
5	IC 180-335968/12	100.0	149.465472	50.0	179317.0	1.494655	Y
6	IC 180-335968/13	175.0	309.124473	50.0	161023.0	1.766426	Y
7	IC 180-335968/14	200.0	360.048194	50.0	177614.0	1.800241	Y
8	IC 180-335968/15	250.0	419.922781	50.0	182728.0	1.679691	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

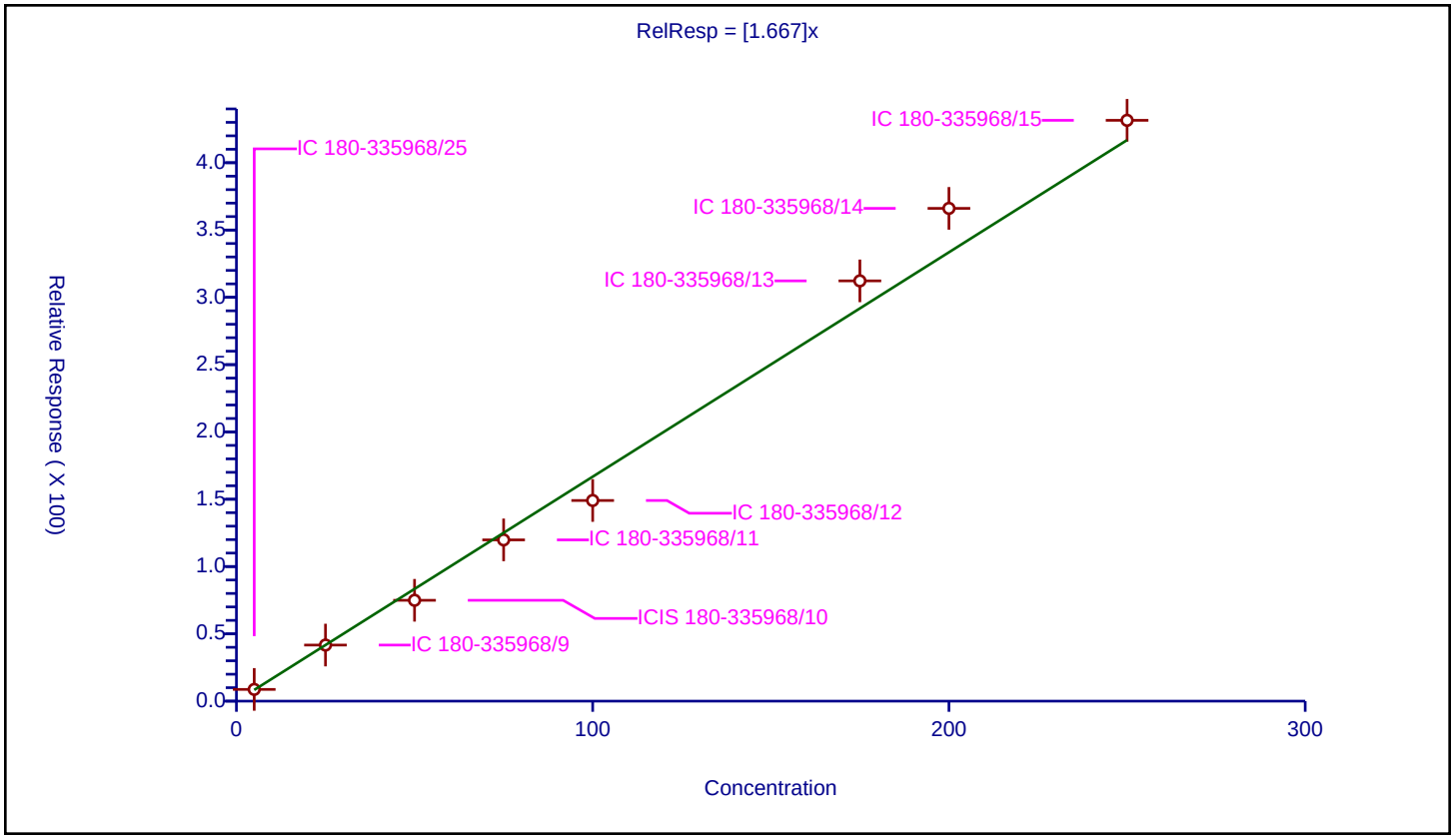
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Standard Error:	907000
Relative Standard Error:	7.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.724744	50.0	91017.0	1.744949	Y
2	IC 180-335968/9	25.0	41.665351	50.0	164692.0	1.666614	Y
3	ICIS 180-335968/10	50.0	74.923973	50.0	191051.0	1.498479	Y
4	IC 180-335968/11	75.0	119.800952	50.0	177595.0	1.597346	Y
5	IC 180-335968/12	100.0	149.071198	50.0	179317.0	1.490712	Y
6	IC 180-335968/13	175.0	312.228067	50.0	161023.0	1.78416	Y
7	IC 180-335968/14	200.0	366.093607	50.0	177614.0	1.830468	Y
8	IC 180-335968/15	250.0	431.507487	50.0	182728.0	1.72603	Y



Calibration / n-Butylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

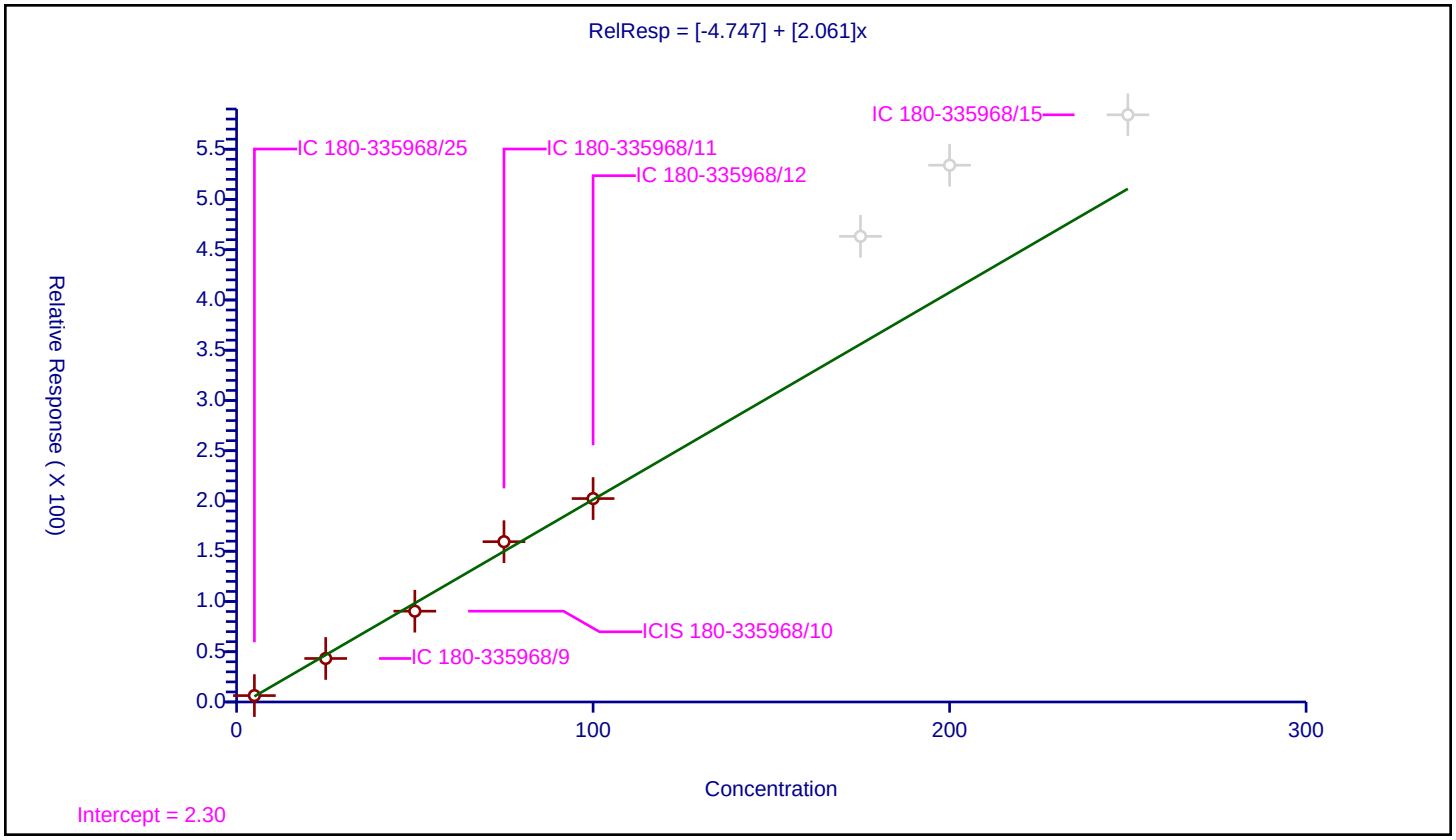
Curve Coefficients

Intercept:	-4.747
Slope:	2.061

Error Coefficients

Standard Error:	574000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.361449	50.0	91017.0	1.27229	Y
2	IC 180-335968/9	25.0	43.299007	50.0	164692.0	1.73196	Y
3	ICIS 180-335968/10	50.0	90.358857	50.0	191051.0	1.807177	Y
4	IC 180-335968/11	75.0	159.504209	50.0	177595.0	2.126723	Y
5	IC 180-335968/12	100.0	202.413324	50.0	179317.0	2.024133	Y
6	IC 180-335968/13	175.0	463.294685	50.0	161023.0	2.647398	N
7	IC 180-335968/14	200.0	534.108235	50.0	177614.0	2.670541	N
8	IC 180-335968/15	250.0	584.234764	50.0	182728.0	2.336939	N



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

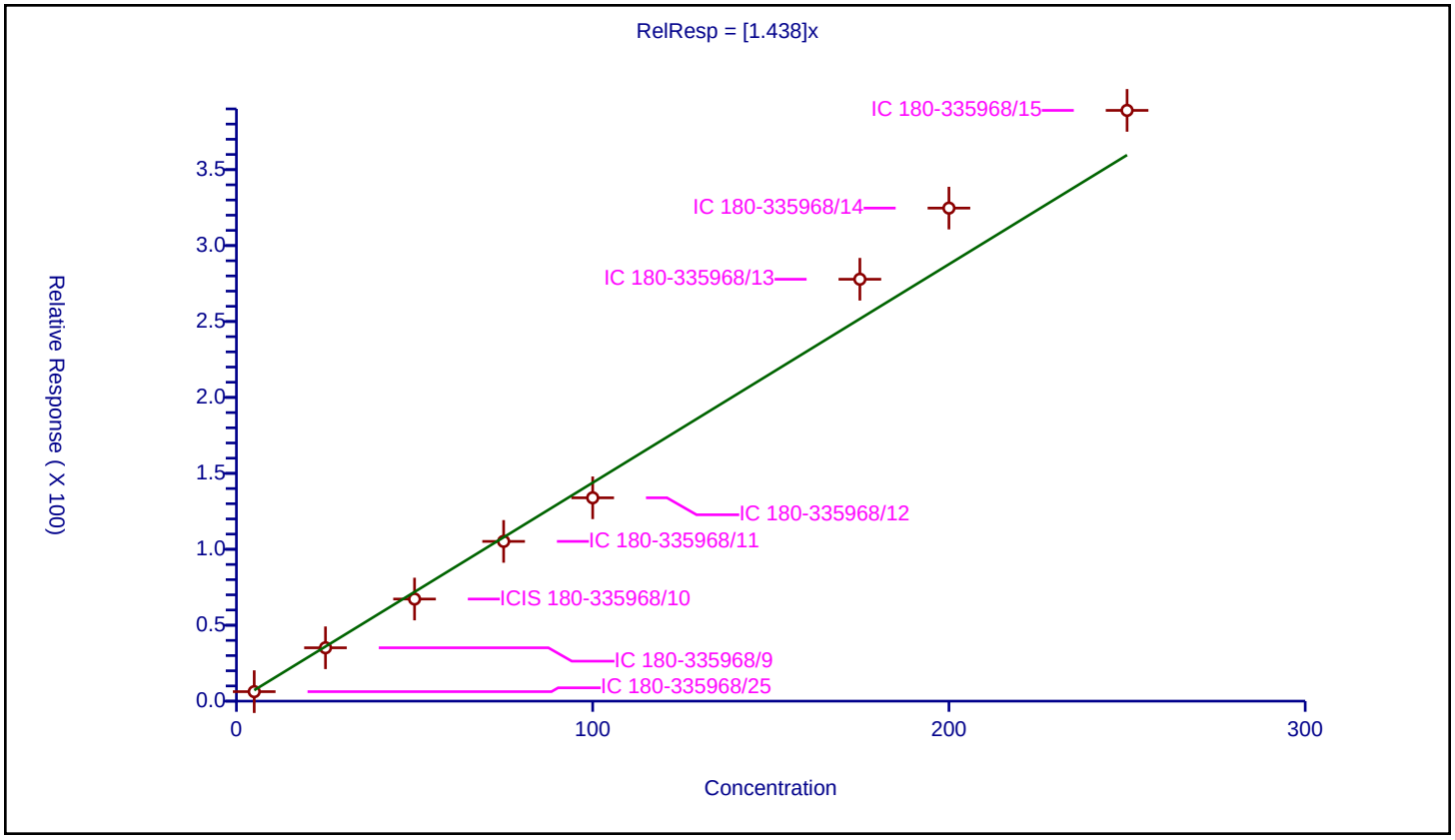
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Standard Error:	811000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.246086	50.0	91017.0	1.249217	Y
2	IC 180-335968/9	25.0	35.138622	50.0	164692.0	1.405545	Y
3	ICIS 180-335968/10	50.0	67.231786	50.0	191051.0	1.344636	Y
4	IC 180-335968/11	75.0	105.192714	50.0	177595.0	1.40257	Y
5	IC 180-335968/12	100.0	133.902809	50.0	179317.0	1.339028	Y
6	IC 180-335968/13	175.0	277.830186	50.0	161023.0	1.587601	Y
7	IC 180-335968/14	200.0	324.66613	50.0	177614.0	1.623331	Y
8	IC 180-335968/15	250.0	389.009074	50.0	182728.0	1.556036	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

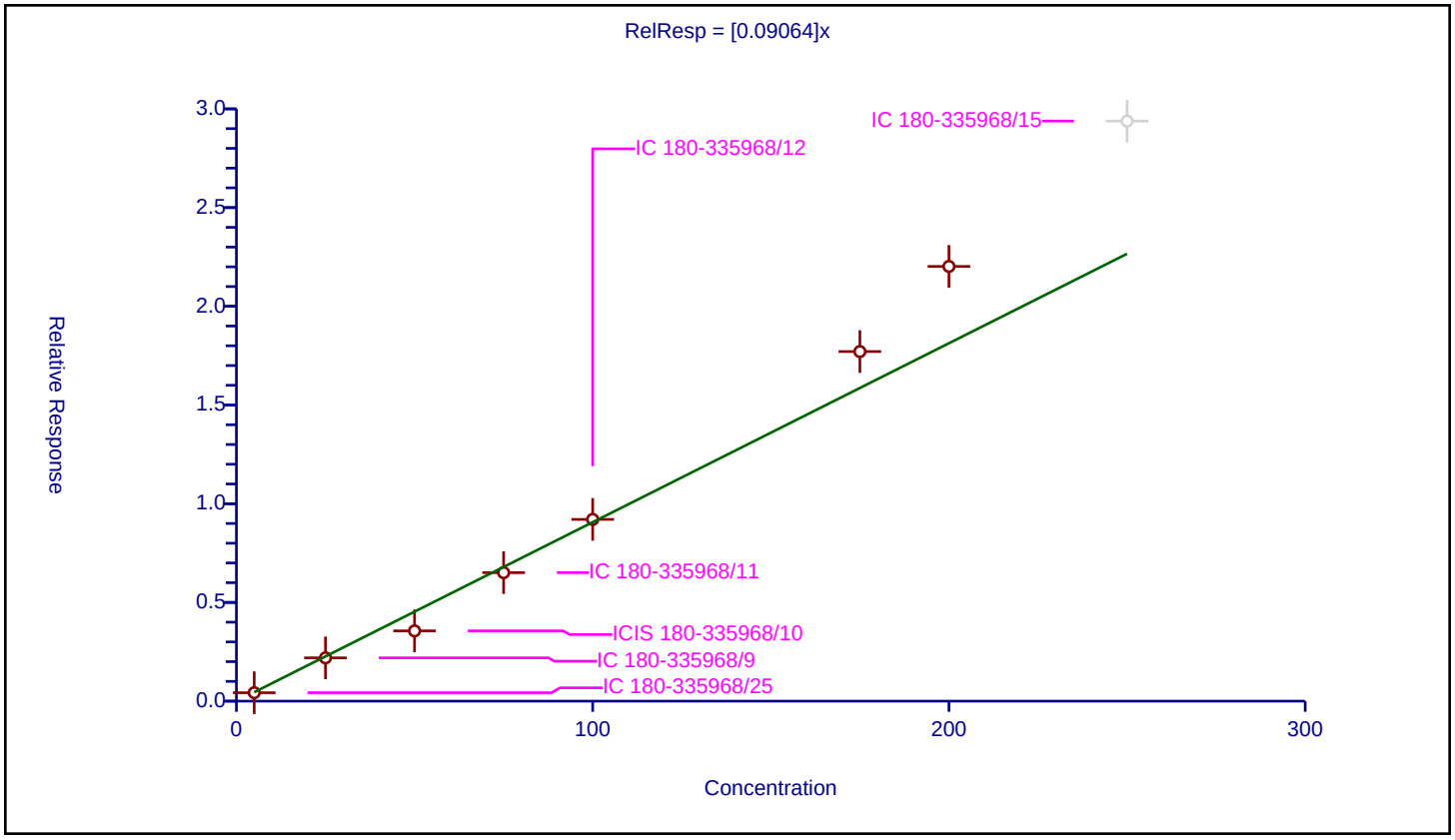
Curve Coefficients

Intercept:	0
Slope:	0.09064

Error Coefficients

Standard Error:	43300
Relative Standard Error:	13.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.427393	50.0	91017.0	0.085479	Y
2	IC 180-335968/9	25.0	2.192578	50.0	164692.0	0.087703	Y
3	ICIS 180-335968/10	50.0	3.559782	50.0	191051.0	0.071196	Y
4	IC 180-335968/11	75.0	6.508348	50.0	177595.0	0.086778	Y
5	IC 180-335968/12	100.0	9.205485	50.0	179317.0	0.092055	Y
6	IC 180-335968/13	175.0	17.707719	50.0	161023.0	0.101187	Y
7	IC 180-335968/14	200.0	22.019661	50.0	177614.0	0.110098	Y
8	IC 180-335968/15	250.0	29.38247	50.0	182728.0	0.11753	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

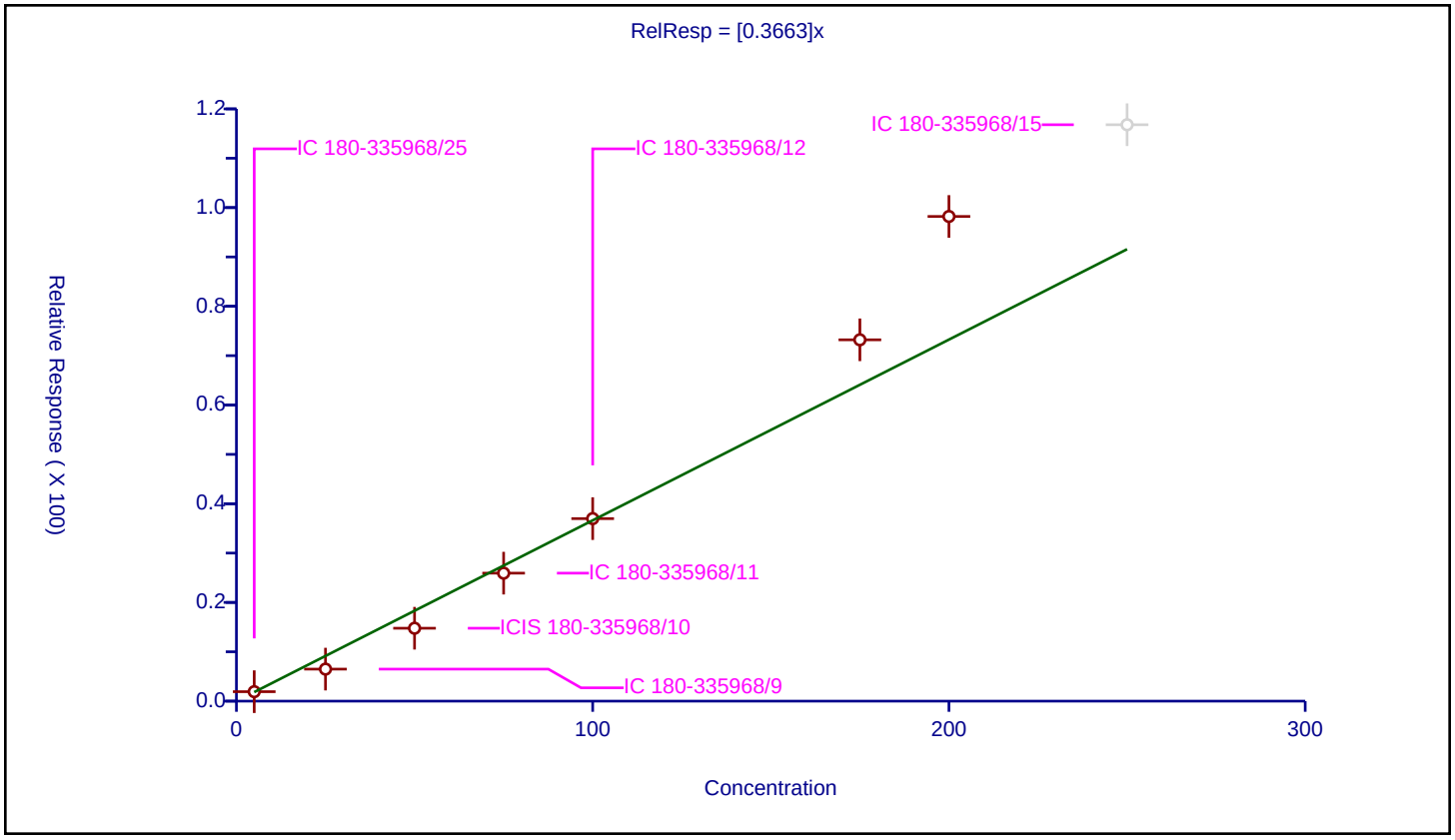
Curve Coefficients

Intercept:	0
Slope:	0.3663

Error Coefficients

Standard Error:	186000
Relative Standard Error:	21.0
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.918872	50.0	91017.0	0.383774	Y
2	IC 180-335968/9	25.0	6.489993	50.0	164692.0	0.2596	Y
3	ICIS 180-335968/10	50.0	14.772757	50.0	191051.0	0.295455	Y
4	IC 180-335968/11	75.0	25.933726	50.0	177595.0	0.345783	Y
5	IC 180-335968/12	100.0	36.985339	50.0	179317.0	0.369853	Y
6	IC 180-335968/13	175.0	73.214696	50.0	161023.0	0.41837	Y
7	IC 180-335968/14	200.0	98.204815	50.0	177614.0	0.491024	Y
8	IC 180-335968/15	250.0	116.791351	50.0	182728.0	0.467165	N



Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

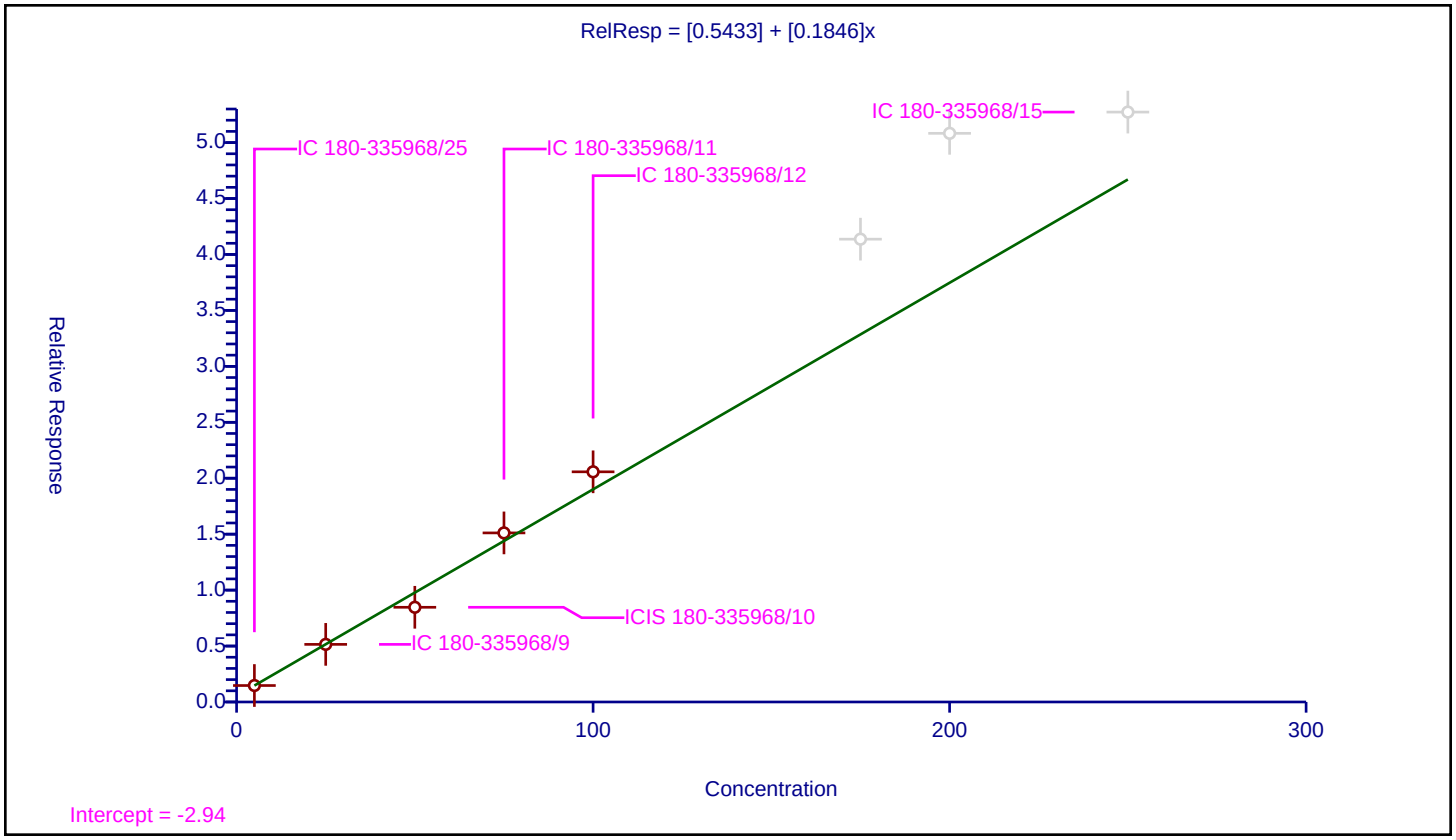
Curve Coefficients

Intercept:	0.5433
Slope:	0.1846

Error Coefficients

Standard Error:	56700
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.472802	50.0	91017.0	0.29456	Y
2	IC 180-335968/9	25.0	5.15022	50.0	164692.0	0.206009	Y
3	ICIS 180-335968/10	50.0	8.464232	50.0	191051.0	0.169285	Y
4	IC 180-335968/11	75.0	15.111912	50.0	177595.0	0.201492	Y
5	IC 180-335968/12	100.0	20.573621	50.0	179317.0	0.205736	Y
6	IC 180-335968/13	175.0	41.365519	50.0	161023.0	0.236374	N
7	IC 180-335968/14	200.0	50.827074	50.0	177614.0	0.254135	N
8	IC 180-335968/15	250.0	52.727004	50.0	182728.0	0.210908	N



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

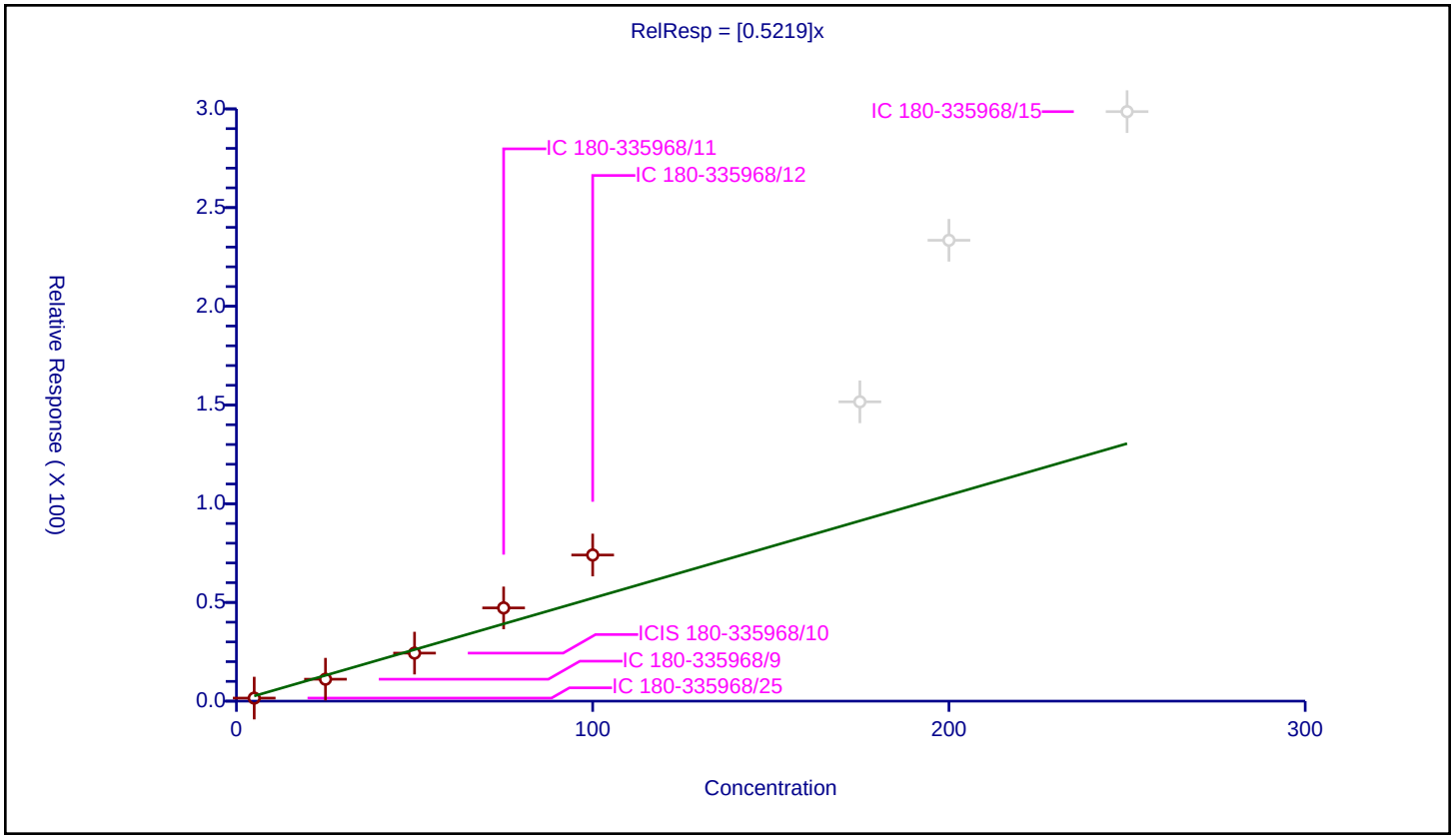
Curve Coefficients

Intercept:	0
Slope:	0.5219

Error Coefficients

Standard Error:	165000
Relative Standard Error:	32.1
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.908

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.543668	50.0	91017.0	0.308734	Y
2	IC 180-335968/9	25.0	11.105579	50.0	164692.0	0.444223	Y
3	ICIS 180-335968/10	50.0	24.324918	50.0	191051.0	0.486498	Y
4	IC 180-335968/11	75.0	47.222895	50.0	177595.0	0.629639	Y
5	IC 180-335968/12	100.0	74.023656	50.0	179317.0	0.740237	Y
6	IC 180-335968/13	175.0	151.617781	50.0	161023.0	0.866387	N
7	IC 180-335968/14	200.0	233.445843	50.0	177614.0	1.167229	N
8	IC 180-335968/15	250.0	298.615428	50.0	182728.0	1.194462	N



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

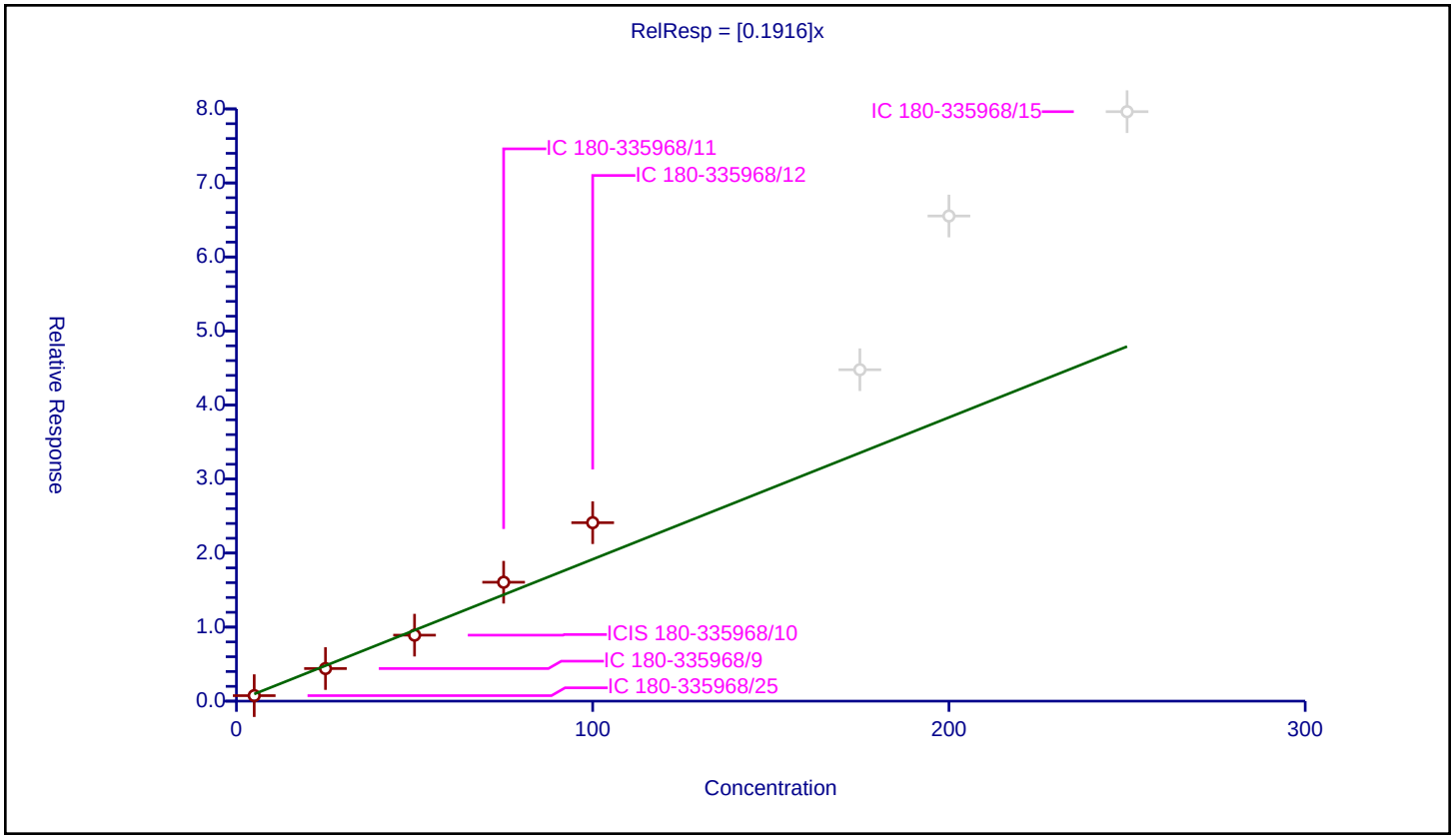
Curve Coefficients

Intercept:	0
Slope:	0.1916

Error Coefficients

Standard Error:	55000
Relative Standard Error:	18.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.743268	50.0	91017.0	0.148654	Y
2	IC 180-335968/9	25.0	4.400032	50.0	164692.0	0.176001	Y
3	ICIS 180-335968/10	50.0	8.911757	50.0	191051.0	0.178235	Y
4	IC 180-335968/11	75.0	16.061263	50.0	177595.0	0.21415	Y
5	IC 180-335968/12	100.0	24.107028	50.0	179317.0	0.24107	Y
6	IC 180-335968/13	175.0	44.767207	50.0	161023.0	0.255813	N
7	IC 180-335968/14	200.0	65.530307	50.0	177614.0	0.327652	N
8	IC 180-335968/15	250.0	79.625181	50.0	182728.0	0.318501	N



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 12/28/2019 10:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 12/28/2019 14:57

Lab File ID: 51121004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Lin1		0.1526		17.6	20.0	88	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Nov-2021 11:22:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-004
Operator ID: 034635 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub145

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:51 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 21-Nov-2021 10:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.243	4.243	0.000	0	121768	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.242	0.000	0	404221	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	93775	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	0	189076	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	103806	50.0	52.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	139797	50.0	51.6	
$ 7 Toluene-d8 (Surr)	98	8.891	8.891	0.000	0	404600	50.0	57.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.519	0.000	0	134988	50.0	50.4	
11 Dichlorodifluoromethane	85	1.603	1.603	0.000	0	162866	50.0	61.1	
12 Chloromethane	50	1.815	1.815	0.000	97	184832	50.0	62.7	Ma
13 Vinyl chloride	62	1.919	1.919	0.000	0	149473	50.0	55.6	
14 Butadiene	39	1.931	1.931	0.000	0	163166	50.0	52.0	
15 Bromomethane	94	2.284	2.284	0.000	0	72080	50.0	53.8	
16 Chloroethane	64	2.387	2.387	0.000	0	75244	50.0	65.6	
17 Dichlorofluoromethane	67	2.673	2.673	0.000	0	176834	50.0	69.9	
18 Trichlorofluoromethane	101	2.698	2.698	0.000	0	103220	50.0	65.1	
20 Ethyl ether	59	3.008	3.008	0.000	0	109085	50.0	53.5	
21 Acrolein	56	3.184	3.184	0.000	0	63358	150.0	118.4	
22 1,1-Dichloroethene	96	3.300	3.300	0.000	95	100386	50.0	53.8	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.403	3.403	0.000	0	128285	50.0	62.0	
24 Acetone	43	3.403	3.403	0.000	0	140309	50.0	159.6	
25 Iodomethane	142	3.561	3.561	0.000	0	123397	50.0	45.6	
26 Carbon disulfide	76	3.634	3.634	0.000	0	303714	50.0	53.4	
28 3-Chloro-1-propene	76	3.866	3.866	0.000	0	68698	50.0	45.9	
30 Methyl acetate	43	3.896	3.896	0.000	0	224031	100.0	116.2	
31 Methylene Chloride	84	4.091	4.091	0.000	0	151514	50.0	59.0	
32 2-Methyl-2-propanol	59	4.371	4.371	0.000	0	60743	500.0	449.3	
33 Acrylonitrile	53	4.492	4.492	0.000	0	467972	500.0	510.4	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	0	119301	50.0	54.1	
35 Methyl tert-butyl ether	73	4.529	4.529	0.000	0	283260	50.0	44.9	
36 Hexane	57	4.936	4.936	0.000	0	178136	50.0	47.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	226908	50.0	53.1	
38 Vinyl acetate	43	5.210	5.210	0.000	96	145781	50.0	33.6	
44 2,2-Dichloropropane	97	5.904	5.904	0.000	0	22550	50.0	54.9	
45 cis-1,2-Dichloroethene	96	5.910	5.910	0.000	0	121329	50.0	50.8	
46 2-Butanone (MEK)	43	5.928	5.928	0.000	0	155307	50.0	126.2	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	64438	50.0	53.0	
51 Tetrahydrofuran	42	6.208	6.208	0.000	0	63219	100.0	82.8	
52 Chloroform	83	6.335	6.335	0.000	0	248232	50.0	61.6	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	0	174609	50.0	54.7	
54 Cyclohexane	56	6.561	6.561	0.000	0	203137	50.0	49.1	
56 Carbon tetrachloride	117	6.664	6.664	0.000	0	154518	50.0	55.7	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	155905	50.0	50.6	
58 Benzene	78	6.895	6.895	0.000	0	513991	50.0	53.6	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	88117	1250.0	2461.6	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	185911	50.0	54.0	
62 n-Heptane	43	7.260	7.260	0.000	0	218978	50.0	49.6	
64 Trichloroethene	130	7.631	7.631	0.000	0	115897	50.0	50.7	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	181220	50.0	45.2	
67 1,2-Dichloropropane	63	7.905	7.905	0.000	0	134761	50.0	54.2	
68 Dibromomethane	93	7.990	7.990	0.000	0	71535	50.0	54.3	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	14236	1000.0	574.7	
71 Dichlorobromomethane	83	8.185	8.185	0.000	0	151605	50.0	54.5	
73 2-Chloroethyl vinyl ether	63	8.495	8.495	0.000	0	123331	100.0	88.2	
74 cis-1,3-Dichloropropene	75	8.635	8.635	0.000	0	156579	50.0	48.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	229226	50.0	109.9	
76 Toluene	91	8.957	8.957	0.000	0	523906	50.0	57.6	
77 trans-1,3-Dichloropropene	75	9.213	9.213	0.000	0	133037	50.0	49.6	
78 Ethyl methacrylate	69	9.274	9.274	0.000	0	99203	50.0	42.3	
79 1,1,2-Trichloroethane	97	9.402	9.402	0.000	0	111339	50.0	57.9	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	105916	50.0	58.5	
81 1,3-Dichloropropane	76	9.560	9.560	0.000	0	188806	50.0	54.6	
82 2-Hexanone	43	9.627	9.627	0.000	0	186845	50.0	138.4	
84 Chlorodibromomethane	129	9.773	9.773	0.000	0	92030	50.0	54.3	
85 Ethylene Dibromide	107	9.876	9.876	0.000	0	97254	50.0	52.8	
87 Chlorobenzene	112	10.369	10.369	0.000	0	323104	50.0	53.9	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	116527	50.0	56.4	
90 Ethylbenzene	106	10.472	10.472	0.000	0	159657	50.0	50.8	
91 m-Xylene & p-Xylene	106	10.600	10.600	0.000	0	207598	50.0	53.5	
92 o-Xylene	106	10.983	10.983	0.000	0	184325	50.0	49.3	
93 Styrene	104	11.008	11.008	0.000	0	343034	50.0	54.7	
94 Bromoform	173	11.184	11.184	0.000	0	47233	50.0	49.9	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	482108	50.0	49.9	
100 Bromobenzene	156	11.659	11.659	0.000	0	134845	50.0	48.4	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.665	0.000	0	145350	50.0	57.4	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.701	0.000	3	11893	50.0	30.2	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	43040	50.0	46.2	
103 N-Propylbenzene	120	11.762	11.762	0.000	0	149155	50.0	48.6	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	135670	50.0	50.3	
106 1,3,5-Trimethylbenzene	105	11.944	11.944	0.000	0	466491	50.0	49.6	
107 4-Chlorotoluene	126	11.975	11.975	0.000	0	144875	50.0	53.0	
108 tert-Butylbenzene	119	12.261	12.261	0.000	0	351491	50.0	44.7	
110 1,2,4-Trimethylbenzene	105	12.322	12.322	0.000	0	489026	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
112 sec-Butylbenzene	105	12.480	12.480	0.000	0	598516	50.0	48.2	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	276956	50.0	50.4	
114 4-Isopropyltoluene	119	12.638	12.638	0.000	0	505885	50.0	48.4	
115 1,4-Dichlorobenzene	146	12.705	12.705	0.000	0	295889	50.0	52.8	
120 n-Butylbenzene	91	13.046	13.046	0.000	0	427391	50.0	44.8	
121 1,2-Dichlorobenzene	146	13.058	13.058	0.000	0	285426	50.0	51.6	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	0	18399	50.0	43.7	
126 1,2,4-Trichlorobenzene	180	14.670	14.670	0.000	90	126118	50.0	38.3	
127 Hexachlorobutadiene	225	14.810	14.810	0.000	0	97294	50.0	46.4	
128 Naphthalene	128	14.931	14.931	0.000	97	205944	50.0	30.7	
129 1,2,3-Trichlorobenzene	180	15.157	15.157	0.000	0	142689	50.0	43.0	
S 154 Total BTEX	106				0		250.0	264.7	
S 134 1,2-Dichloroethene, Total	96				0		100.0	104.9	
S 133 Xylenes, Total	106				0		100.0	102.8	
S 135 1,3-Dichloropropene, Total	1				0		100.0	98.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

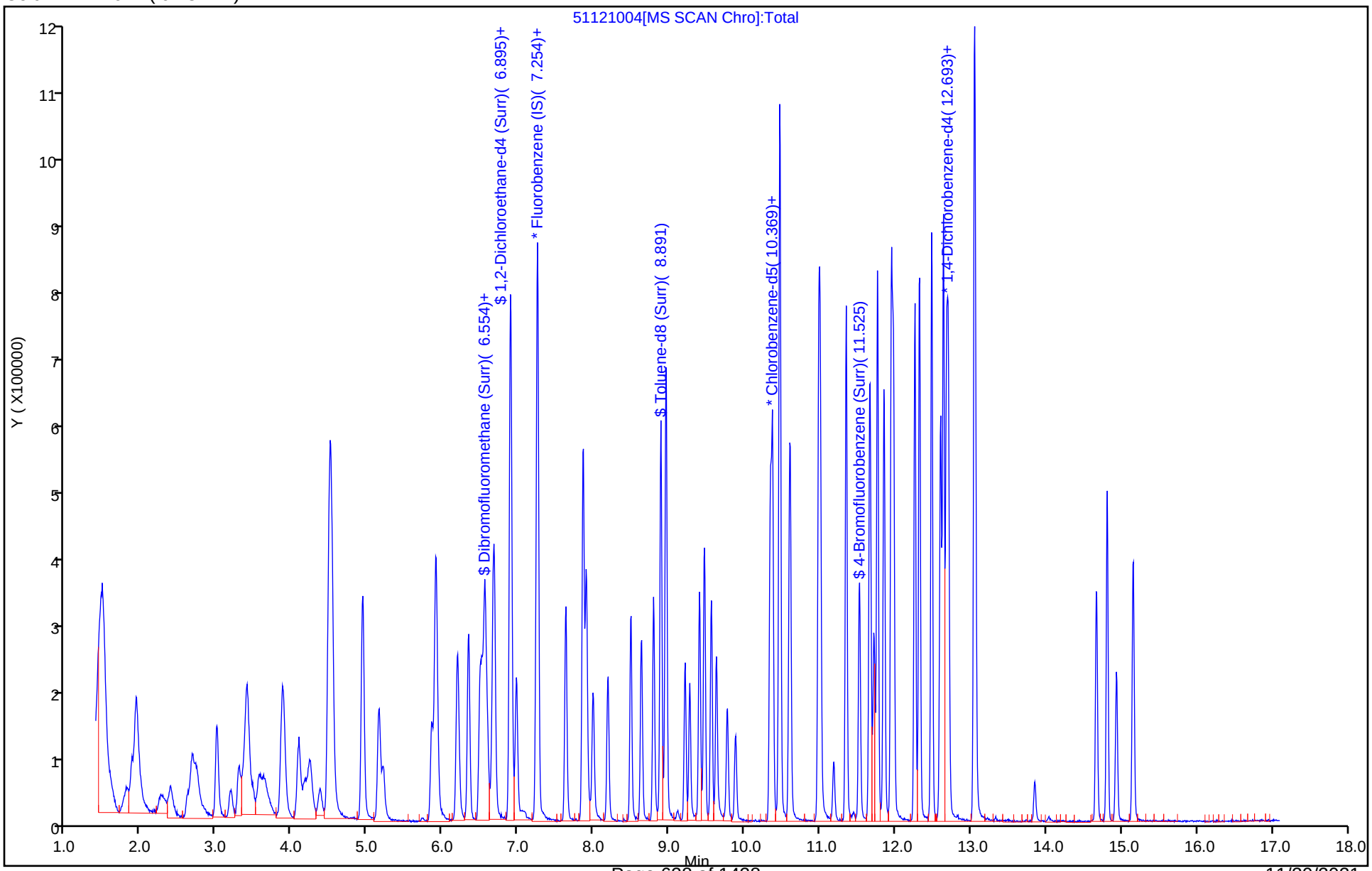
Report Date: 22-Nov-2021 11:09:52 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D

Injection Date:	21-Nov-2021 11:22:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 03/30/2020 19:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/30/2020 23:20

Lab File ID: 51121004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Vinyl acetate	Ave	0.5372	0.3606		6.71	10.0	67	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Nov-2021 11:22:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-004
Operator ID: 034635 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub145

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:51 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 21-Nov-2021 10:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.243	4.243	0.000	0	121768	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.242	0.000	0	404221	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	93775	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	0	189076	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	103806	50.0	52.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	139797	50.0	51.6	
$ 7 Toluene-d8 (Surr)	98	8.891	8.891	0.000	0	404600	50.0	57.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.519	0.000	0	134988	50.0	50.4	
11 Dichlorodifluoromethane	85	1.603	1.603	0.000	0	162866	50.0	61.1	
12 Chloromethane	50	1.815	1.815	0.000	97	184832	50.0	62.7	Ma
13 Vinyl chloride	62	1.919	1.919	0.000	0	149473	50.0	55.6	
14 Butadiene	39	1.931	1.931	0.000	0	163166	50.0	52.0	
15 Bromomethane	94	2.284	2.284	0.000	0	72080	50.0	53.8	
16 Chloroethane	64	2.387	2.387	0.000	0	75244	50.0	65.6	
17 Dichlorofluoromethane	67	2.673	2.673	0.000	0	176834	50.0	69.9	
18 Trichlorofluoromethane	101	2.698	2.698	0.000	0	103220	50.0	65.1	
20 Ethyl ether	59	3.008	3.008	0.000	0	109085	50.0	53.5	
21 Acrolein	56	3.184	3.184	0.000	0	63358	150.0	118.4	
22 1,1-Dichloroethene	96	3.300	3.300	0.000	95	100386	50.0	53.8	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.403	3.403	0.000	0	128285	50.0	62.0	
24 Acetone	43	3.403	3.403	0.000	0	140309	50.0	159.6	
25 Iodomethane	142	3.561	3.561	0.000	0	123397	50.0	45.6	
26 Carbon disulfide	76	3.634	3.634	0.000	0	303714	50.0	53.4	
28 3-Chloro-1-propene	76	3.866	3.866	0.000	0	68698	50.0	45.9	
30 Methyl acetate	43	3.896	3.896	0.000	0	224031	100.0	116.2	
31 Methylene Chloride	84	4.091	4.091	0.000	0	151514	50.0	59.0	
32 2-Methyl-2-propanol	59	4.371	4.371	0.000	0	60743	500.0	449.3	
33 Acrylonitrile	53	4.492	4.492	0.000	0	467972	500.0	510.4	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	0	119301	50.0	54.1	
35 Methyl tert-butyl ether	73	4.529	4.529	0.000	0	283260	50.0	44.9	
36 Hexane	57	4.936	4.936	0.000	0	178136	50.0	47.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	226908	50.0	53.1	
38 Vinyl acetate	43	5.210	5.210	0.000	96	145781	50.0	33.6	
44 2,2-Dichloropropane	97	5.904	5.904	0.000	0	22550	50.0	54.9	
45 cis-1,2-Dichloroethene	96	5.910	5.910	0.000	0	121329	50.0	50.8	
46 2-Butanone (MEK)	43	5.928	5.928	0.000	0	155307	50.0	126.2	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	64438	50.0	53.0	
51 Tetrahydrofuran	42	6.208	6.208	0.000	0	63219	100.0	82.8	
52 Chloroform	83	6.335	6.335	0.000	0	248232	50.0	61.6	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	0	174609	50.0	54.7	
54 Cyclohexane	56	6.561	6.561	0.000	0	203137	50.0	49.1	
56 Carbon tetrachloride	117	6.664	6.664	0.000	0	154518	50.0	55.7	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	155905	50.0	50.6	
58 Benzene	78	6.895	6.895	0.000	0	513991	50.0	53.6	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	88117	1250.0	2461.6	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	185911	50.0	54.0	
62 n-Heptane	43	7.260	7.260	0.000	0	218978	50.0	49.6	
64 Trichloroethene	130	7.631	7.631	0.000	0	115897	50.0	50.7	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	181220	50.0	45.2	
67 1,2-Dichloropropane	63	7.905	7.905	0.000	0	134761	50.0	54.2	
68 Dibromomethane	93	7.990	7.990	0.000	0	71535	50.0	54.3	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	14236	1000.0	574.7	
71 Dichlorobromomethane	83	8.185	8.185	0.000	0	151605	50.0	54.5	
73 2-Chloroethyl vinyl ether	63	8.495	8.495	0.000	0	123331	100.0	88.2	
74 cis-1,3-Dichloropropene	75	8.635	8.635	0.000	0	156579	50.0	48.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	229226	50.0	109.9	
76 Toluene	91	8.957	8.957	0.000	0	523906	50.0	57.6	
77 trans-1,3-Dichloropropene	75	9.213	9.213	0.000	0	133037	50.0	49.6	
78 Ethyl methacrylate	69	9.274	9.274	0.000	0	99203	50.0	42.3	
79 1,1,2-Trichloroethane	97	9.402	9.402	0.000	0	111339	50.0	57.9	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	105916	50.0	58.5	
81 1,3-Dichloropropane	76	9.560	9.560	0.000	0	188806	50.0	54.6	
82 2-Hexanone	43	9.627	9.627	0.000	0	186845	50.0	138.4	
84 Chlorodibromomethane	129	9.773	9.773	0.000	0	92030	50.0	54.3	
85 Ethylene Dibromide	107	9.876	9.876	0.000	0	97254	50.0	52.8	
87 Chlorobenzene	112	10.369	10.369	0.000	0	323104	50.0	53.9	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	116527	50.0	56.4	
90 Ethylbenzene	106	10.472	10.472	0.000	0	159657	50.0	50.8	
91 m-Xylene & p-Xylene	106	10.600	10.600	0.000	0	207598	50.0	53.5	
92 o-Xylene	106	10.983	10.983	0.000	0	184325	50.0	49.3	
93 Styrene	104	11.008	11.008	0.000	0	343034	50.0	54.7	
94 Bromoform	173	11.184	11.184	0.000	0	47233	50.0	49.9	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	482108	50.0	49.9	
100 Bromobenzene	156	11.659	11.659	0.000	0	134845	50.0	48.4	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.665	0.000	0	145350	50.0	57.4	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.701	0.000	3	11893	50.0	30.2	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	43040	50.0	46.2	
103 N-Propylbenzene	120	11.762	11.762	0.000	0	149155	50.0	48.6	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	135670	50.0	50.3	
106 1,3,5-Trimethylbenzene	105	11.944	11.944	0.000	0	466491	50.0	49.6	
107 4-Chlorotoluene	126	11.975	11.975	0.000	0	144875	50.0	53.0	
108 tert-Butylbenzene	119	12.261	12.261	0.000	0	351491	50.0	44.7	
110 1,2,4-Trimethylbenzene	105	12.322	12.322	0.000	0	489026	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
112 sec-Butylbenzene	105	12.480	12.480	0.000	0	598516	50.0	48.2	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	276956	50.0	50.4	
114 4-Isopropyltoluene	119	12.638	12.638	0.000	0	505885	50.0	48.4	
115 1,4-Dichlorobenzene	146	12.705	12.705	0.000	0	295889	50.0	52.8	
120 n-Butylbenzene	91	13.046	13.046	0.000	0	427391	50.0	44.8	
121 1,2-Dichlorobenzene	146	13.058	13.058	0.000	0	285426	50.0	51.6	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	0	18399	50.0	43.7	
126 1,2,4-Trichlorobenzene	180	14.670	14.670	0.000	90	126118	50.0	38.3	
127 Hexachlorobutadiene	225	14.810	14.810	0.000	0	97294	50.0	46.4	
128 Naphthalene	128	14.931	14.931	0.000	97	205944	50.0	30.7	
129 1,2,3-Trichlorobenzene	180	15.157	15.157	0.000	0	142689	50.0	43.0	
S 154 Total BTEX	106				0		250.0	264.7	
S 134 1,2-Dichloroethene, Total	96				0		100.0	104.9	
S 133 Xylenes, Total	106				0		100.0	102.8	
S 135 1,3-Dichloropropene, Total	1				0		100.0	98.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

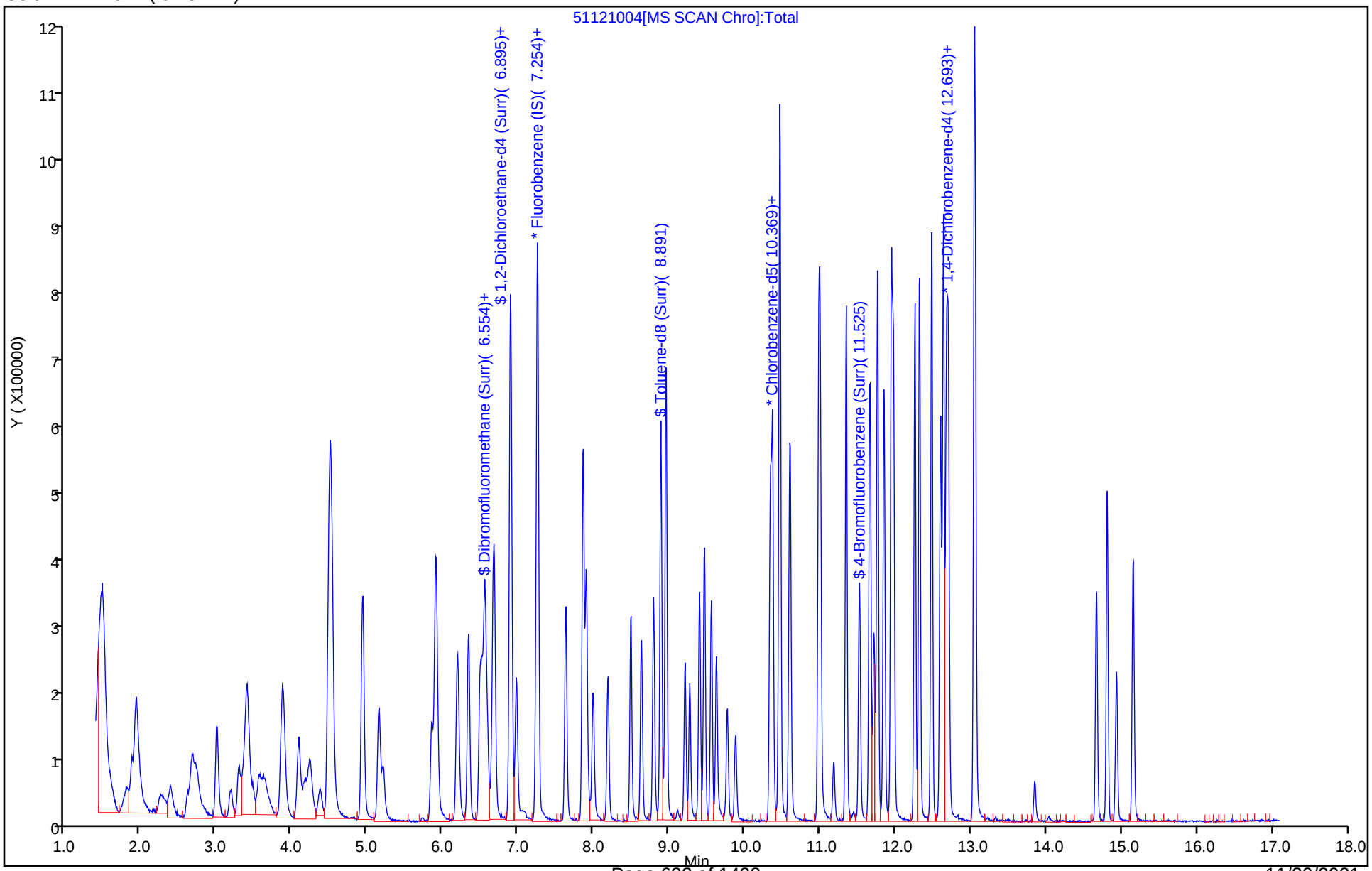
Report Date: 22-Nov-2021 11:09:52 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D

Injection Date:	21-Nov-2021 11:22:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 04/03/2020 16:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/03/2020 19:09

Lab File ID: 51121004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0662	0.0522		23.7	30.0	79	60-140

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Nov-2021 11:22:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-004
Operator ID: 034635 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub145

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:51 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 21-Nov-2021 10:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.243	4.243	0.000	0	121768	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.242	0.000	0	404221	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	93775	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	0	189076	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	103806	50.0	52.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	139797	50.0	51.6	
$ 7 Toluene-d8 (Surr)	98	8.891	8.891	0.000	0	404600	50.0	57.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.519	0.000	0	134988	50.0	50.4	
11 Dichlorodifluoromethane	85	1.603	1.603	0.000	0	162866	50.0	61.1	
12 Chloromethane	50	1.815	1.815	0.000	97	184832	50.0	62.7	Ma
13 Vinyl chloride	62	1.919	1.919	0.000	0	149473	50.0	55.6	
14 Butadiene	39	1.931	1.931	0.000	0	163166	50.0	52.0	
15 Bromomethane	94	2.284	2.284	0.000	0	72080	50.0	53.8	
16 Chloroethane	64	2.387	2.387	0.000	0	75244	50.0	65.6	
17 Dichlorofluoromethane	67	2.673	2.673	0.000	0	176834	50.0	69.9	
18 Trichlorofluoromethane	101	2.698	2.698	0.000	0	103220	50.0	65.1	
20 Ethyl ether	59	3.008	3.008	0.000	0	109085	50.0	53.5	
21 Acrolein	56	3.184	3.184	0.000	0	63358	150.0	118.4	
22 1,1-Dichloroethene	96	3.300	3.300	0.000	95	100386	50.0	53.8	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.403	3.403	0.000	0	128285	50.0	62.0	
24 Acetone	43	3.403	3.403	0.000	0	140309	50.0	159.6	
25 Iodomethane	142	3.561	3.561	0.000	0	123397	50.0	45.6	
26 Carbon disulfide	76	3.634	3.634	0.000	0	303714	50.0	53.4	
28 3-Chloro-1-propene	76	3.866	3.866	0.000	0	68698	50.0	45.9	
30 Methyl acetate	43	3.896	3.896	0.000	0	224031	100.0	116.2	
31 Methylene Chloride	84	4.091	4.091	0.000	0	151514	50.0	59.0	
32 2-Methyl-2-propanol	59	4.371	4.371	0.000	0	60743	500.0	449.3	
33 Acrylonitrile	53	4.492	4.492	0.000	0	467972	500.0	510.4	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	0	119301	50.0	54.1	
35 Methyl tert-butyl ether	73	4.529	4.529	0.000	0	283260	50.0	44.9	
36 Hexane	57	4.936	4.936	0.000	0	178136	50.0	47.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	226908	50.0	53.1	
38 Vinyl acetate	43	5.210	5.210	0.000	96	145781	50.0	33.6	
44 2,2-Dichloropropane	97	5.904	5.904	0.000	0	22550	50.0	54.9	
45 cis-1,2-Dichloroethene	96	5.910	5.910	0.000	0	121329	50.0	50.8	
46 2-Butanone (MEK)	43	5.928	5.928	0.000	0	155307	50.0	126.2	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	64438	50.0	53.0	
51 Tetrahydrofuran	42	6.208	6.208	0.000	0	63219	100.0	82.8	
52 Chloroform	83	6.335	6.335	0.000	0	248232	50.0	61.6	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	0	174609	50.0	54.7	
54 Cyclohexane	56	6.561	6.561	0.000	0	203137	50.0	49.1	
56 Carbon tetrachloride	117	6.664	6.664	0.000	0	154518	50.0	55.7	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	155905	50.0	50.6	
58 Benzene	78	6.895	6.895	0.000	0	513991	50.0	53.6	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	88117	1250.0	2461.6	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	185911	50.0	54.0	
62 n-Heptane	43	7.260	7.260	0.000	0	218978	50.0	49.6	
64 Trichloroethene	130	7.631	7.631	0.000	0	115897	50.0	50.7	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	181220	50.0	45.2	
67 1,2-Dichloropropane	63	7.905	7.905	0.000	0	134761	50.0	54.2	
68 Dibromomethane	93	7.990	7.990	0.000	0	71535	50.0	54.3	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	14236	1000.0	574.7	
71 Dichlorobromomethane	83	8.185	8.185	0.000	0	151605	50.0	54.5	
73 2-Chloroethyl vinyl ether	63	8.495	8.495	0.000	0	123331	100.0	88.2	
74 cis-1,3-Dichloropropene	75	8.635	8.635	0.000	0	156579	50.0	48.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	229226	50.0	109.9	
76 Toluene	91	8.957	8.957	0.000	0	523906	50.0	57.6	
77 trans-1,3-Dichloropropene	75	9.213	9.213	0.000	0	133037	50.0	49.6	
78 Ethyl methacrylate	69	9.274	9.274	0.000	0	99203	50.0	42.3	
79 1,1,2-Trichloroethane	97	9.402	9.402	0.000	0	111339	50.0	57.9	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	105916	50.0	58.5	
81 1,3-Dichloropropane	76	9.560	9.560	0.000	0	188806	50.0	54.6	
82 2-Hexanone	43	9.627	9.627	0.000	0	186845	50.0	138.4	
84 Chlorodibromomethane	129	9.773	9.773	0.000	0	92030	50.0	54.3	
85 Ethylene Dibromide	107	9.876	9.876	0.000	0	97254	50.0	52.8	
87 Chlorobenzene	112	10.369	10.369	0.000	0	323104	50.0	53.9	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	116527	50.0	56.4	
90 Ethylbenzene	106	10.472	10.472	0.000	0	159657	50.0	50.8	
91 m-Xylene & p-Xylene	106	10.600	10.600	0.000	0	207598	50.0	53.5	
92 o-Xylene	106	10.983	10.983	0.000	0	184325	50.0	49.3	
93 Styrene	104	11.008	11.008	0.000	0	343034	50.0	54.7	
94 Bromoform	173	11.184	11.184	0.000	0	47233	50.0	49.9	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	482108	50.0	49.9	
100 Bromobenzene	156	11.659	11.659	0.000	0	134845	50.0	48.4	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.665	0.000	0	145350	50.0	57.4	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.701	0.000	3	11893	50.0	30.2	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	43040	50.0	46.2	
103 N-Propylbenzene	120	11.762	11.762	0.000	0	149155	50.0	48.6	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	135670	50.0	50.3	
106 1,3,5-Trimethylbenzene	105	11.944	11.944	0.000	0	466491	50.0	49.6	
107 4-Chlorotoluene	126	11.975	11.975	0.000	0	144875	50.0	53.0	
108 tert-Butylbenzene	119	12.261	12.261	0.000	0	351491	50.0	44.7	
110 1,2,4-Trimethylbenzene	105	12.322	12.322	0.000	0	489026	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
112 sec-Butylbenzene	105	12.480	12.480	0.000	0	598516	50.0	48.2	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	276956	50.0	50.4	
114 4-Isopropyltoluene	119	12.638	12.638	0.000	0	505885	50.0	48.4	
115 1,4-Dichlorobenzene	146	12.705	12.705	0.000	0	295889	50.0	52.8	
120 n-Butylbenzene	91	13.046	13.046	0.000	0	427391	50.0	44.8	
121 1,2-Dichlorobenzene	146	13.058	13.058	0.000	0	285426	50.0	51.6	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	0	18399	50.0	43.7	
126 1,2,4-Trichlorobenzene	180	14.670	14.670	0.000	90	126118	50.0	38.3	
127 Hexachlorobutadiene	225	14.810	14.810	0.000	0	97294	50.0	46.4	
128 Naphthalene	128	14.931	14.931	0.000	97	205944	50.0	30.7	
129 1,2,3-Trichlorobenzene	180	15.157	15.157	0.000	0	142689	50.0	43.0	
S 154 Total BTEX	106				0		250.0	264.7	
S 134 1,2-Dichloroethene, Total	96				0		100.0	104.9	
S 133 Xylenes, Total	106				0		100.0	102.8	
S 135 1,3-Dichloropropene, Total	1				0		100.0	98.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

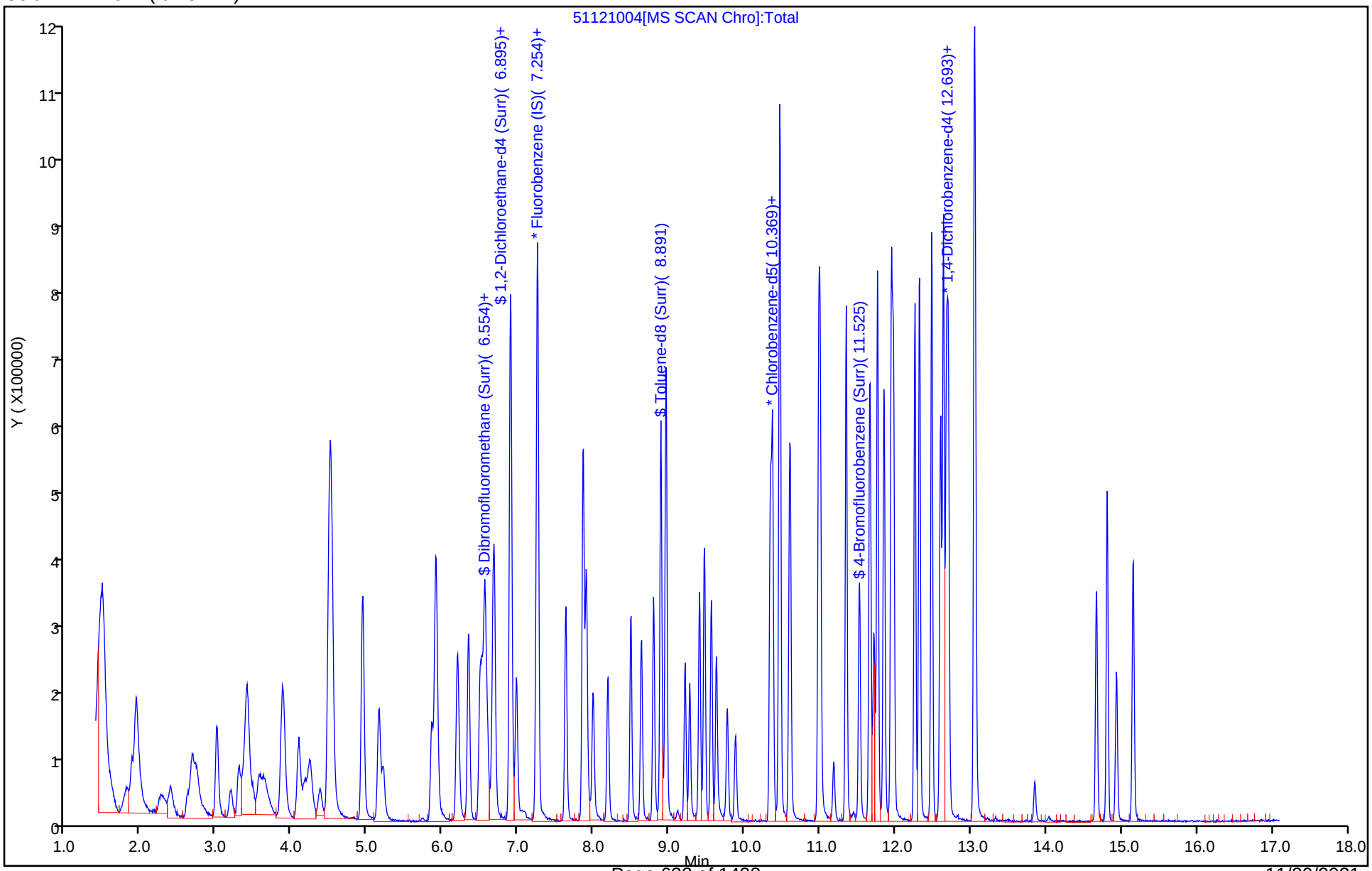
Report Date: 22-Nov-2021 11:09:52 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D

Injection Date:	21-Nov-2021 11:22:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 11/04/2021 11:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/04/2021 14:50

Lab File ID: 51121004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3295	0.4029		12.2	10.0	122	16-157
Chloromethane	Ave	0.3647	0.4573	0.1000	12.5	10.0	125	10-170
Vinyl chloride	Ave	0.3327	0.3698		11.1	10.0	111	10-170
Bromomethane	Lin2		0.1783		10.8	10.0	108	15-170
Chloroethane	Lin2		0.1861		13.1	10.0	131	40-160
Dichlorofluoromethane	Lin2		0.4375		14.0	10.0	140	39-150
Trichlorofluoromethane	Ave	0.1961	0.2554		13.0	10.0	130	50-150
Ethyl ether	Ave	0.2520	0.2699		10.7	10.0	107	35-134
1,1-Dichloroethene	Ave	0.2307	0.2483		10.8	10.0	108	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2559	0.3174		12.4	10.0	124	49-150
Acetone	Lin1		0.3471		31.9	10.0	319*	10-170
Iodomethane	Ave	0.3350	0.3053		9.11	10.0	91	49-155
Carbon disulfide	Ave	0.7041	0.7514		10.7	10.0	107	50-152
3-Chloro-1-propene	Ave	0.1851	0.1700		9.18	10.0	92	53-137
Methyl acetate	Ave	0.2386	0.2771		23.2	20.0	116	10-170
Methylene Chloride	Lin2		0.3748		11.8	10.0	118	60-140
2-Methyl-2-propanol	Ave	1.110	0.998		89.9	100	90	56-129
Acrylonitrile	Ave	0.1134	0.1158		102	100	102	60-140
trans-1,2-Dichloroethene	Ave	0.2730	0.2951		10.8	10.0	108	70-130
Methyl tert-butyl ether	Ave	0.7811	0.7008		8.97	10.0	90	40-162
Hexane	Ave	0.4666	0.4407		9.44	10.0	94	31-148
1,1-Dichloroethane	Ave	0.5284	0.5613	0.1000	10.6	10.0	106	70-130
2,2-Dichloropropane	Ave	0.0508	0.0558		11.0	10.0	110	42-144
cis-1,2-Dichloroethene	Ave	0.2952	0.3002		10.2	10.0	102	67-124
2-Butanone (MEK)	Lin2		0.3842		25.2	10.0	252*	10-170
Chlorobromomethane	Ave	0.1503	0.1594		10.6	10.0	106	55-147
Tetrahydrofuran	Ave	0.0944	0.0782		16.6	20.0	83	10-170
Chloroform	Lin2		0.6141		12.3	10.0	123	70-135
1,1,1-Trichloroethane	Ave	0.3947	0.4320		10.9	10.0	109	70-130
Cyclohexane	Ave	0.5115	0.5025		9.82	10.0	98	36-150
Carbon tetrachloride	Ave	0.3429	0.3823		11.1	10.0	111	70-130
1,1-Dichloropropene	Ave	0.3813	0.3857		10.1	10.0	101	57-132
Benzene	Ave	1.187	1.272		10.7	10.0	107	65-135
Isobutyl alcohol	Ave	0.0105	0.0087		492	250	197*	10-170
1,2-Dichloroethane	Ave	0.4261	0.4599		10.8	10.0	108	70-130
Trichloroethene	Ave	0.2829	0.2867		10.1	10.0	101	65-135
Methylcyclohexane	Ave	0.4957	0.4483		9.04	10.0	90	30-170
1,2-Dichloropropane	Ave	0.3076	0.3334		10.8	10.0	108	35-165
Dibromomethane	Ave	0.1629	0.1770		10.9	10.0	109	48-151
1,4-Dioxane	Ave	0.0031	0.0018		115	200	57	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 11/04/2021 11:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/04/2021 14:50

Lab File ID: 51121004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3438	0.3751		10.9	10.0	109	65-135
cis-1,3-Dichloropropene	Ave	0.3995	0.3874		9.70	10.0	97	25-170
4-Methyl-2-pentanone (MIBK)	Ave	1.112	2.444		22.0	10.0	220*	12-152
Toluene	Ave	4.847	5.587		11.5	10.0	115	70-130
trans-1,3-Dichloropropene	Ave	1.430	1.419		9.92	10.0	99	50-150
Ethyl methacrylate	Ave	1.249	1.058		8.47	10.0	85	37-166
1,1,2-Trichloroethane	Ave	1.025	1.187		11.6	10.0	116	70-130
Tetrachloroethene	Ave	0.9646	1.129		11.7	10.0	117	70-130
1,3-Dichloropropane	Ave	1.843	2.013		10.9	10.0	109	50-134
2-Hexanone	Ave	0.7198	1.992		27.7	10.0	277*	10-157
Chlorodibromomethane	Ave	0.9036	0.9814		10.9	10.0	109	70-135
Ethylene Dibromide	Ave	0.9829	1.037		10.6	10.0	106	46-138
Chlorobenzene	Ave	3.198	3.446	0.3000	10.8	10.0	108	65-135
1,1,1,2-Tetrachloroethane	Ave	1.102	1.243		11.3	10.0	113	66-137
Ethylbenzene	Ave	1.676	1.703		10.2	10.0	102	60-140
m-Xylene & p-Xylene	Ave	2.070	2.214		10.7	10.0	107	60-130
o-Xylene	Ave	1.994	1.966		9.86	10.0	99	62-133
Styrene	Ave	3.342	3.658		10.9	10.0	109	64-119
Bromoform	Ave	0.5043	0.5037	0.1000	9.99	10.0	100	70-130
Isopropylbenzene	Ave	5.156	5.141		9.97	10.0	100	47-143
Bromobenzene	Ave	0.7367	0.7132		9.68	10.0	97	64-131
1,1,2,2-Tetrachloroethane	Ave	1.350	1.550	0.3000	11.5	10.0	115	60-140
trans-1,4-Dichloro-2-butene	Qua1		0.0629		6.04	10.0	60	10-170
1,2,3-Trichloropropane	Ave	0.2465	0.2276		9.24	10.0	92	30-142
N-Propylbenzene	Ave	0.8112	0.7889		9.72	10.0	97	37-166
2-Chlorotoluene	Ave	0.7134	0.7175		10.1	10.0	101	48-145
1,3,5-Trimethylbenzene	Ave	2.488	2.467		9.92	10.0	99	50-150
4-Chlorotoluene	Ave	0.7226	0.7662		10.6	10.0	106	53-140
tert-Butylbenzene	Ave	2.078	1.859		8.94	10.0	89	19-170
1,2,4-Trimethylbenzene	Ave	2.574	2.586		10.0	10.0	100	37-147
sec-Butylbenzene	Ave	3.281	3.165		9.65	10.0	96	20-170
1,3-Dichlorobenzene	Ave	1.453	1.465		10.1	10.0	101	70-130
4-Isopropyltoluene	Ave	2.761	2.676		9.69	10.0	97	19-170
1,4-Dichlorobenzene	Ave	1.483	1.565		10.6	10.0	106	65-135
n-Butylbenzene	Ave	2.521	2.260		8.97	10.0	90	10-170
1,2-Dichlorobenzene	Ave	1.463	1.510		10.3	10.0	103	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.1113	0.0973		8.75	10.0	87	10-170
1,2,4-Trichlorobenzene	Ave	0.8717	0.6670		7.65	10.0	77	10-170
Hexachlorobutadiene	Ave	0.5543	0.5146		9.28	10.0	93	10-170
Naphthalene	Lin1		1.089		6.13	10.0	61	10-170
1,2,3-Trichlorobenzene	Ave	0.8768	0.7547		8.61	10.0	86	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-379675/4 Calibration Date: 11/21/2021 11:22

Instrument ID: CHHP5 Calib Start Date: 11/04/2021 11:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/04/2021 14:50

Lab File ID: 51121004.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
Dibromofluoromethane (Surr)	Ave	0.2468	0.2568		10.4	10.0	4.1	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3350	0.3458		10.3	10.0	3.2	
Toluene-d8 (Surr)	Ave	3.776	4.315		11.4	10.0	14.3	
4-Bromofluorobenzene (Surr)	Ave	1.427	1.439		10.1	10.0	0.9	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Nov-2021 11:22:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-004
Operator ID: 034635 Instrument ID: CHHP5
Sublist: chrom-MSVOA_LL_CHHP5*sub145

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:51 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 21-Nov-2021 10:56:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.243	4.243	0.000	0	121768	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.242	0.000	0	404221	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	93775	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	0	189076	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.524	6.524	0.000	0	103806	50.0	52.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	139797	50.0	51.6	
$ 7 Toluene-d8 (Surr)	98	8.891	8.891	0.000	0	404600	50.0	57.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.519	11.519	0.000	0	134988	50.0	50.4	
11 Dichlorodifluoromethane	85	1.603	1.603	0.000	0	162866	50.0	61.1	
12 Chloromethane	50	1.815	1.815	0.000	97	184832	50.0	62.7	Ma
13 Vinyl chloride	62	1.919	1.919	0.000	0	149473	50.0	55.6	
14 Butadiene	39	1.931	1.931	0.000	0	163166	50.0	52.0	
15 Bromomethane	94	2.284	2.284	0.000	0	72080	50.0	53.8	
16 Chloroethane	64	2.387	2.387	0.000	0	75244	50.0	65.6	
17 Dichlorofluoromethane	67	2.673	2.673	0.000	0	176834	50.0	69.9	
18 Trichlorofluoromethane	101	2.698	2.698	0.000	0	103220	50.0	65.1	
20 Ethyl ether	59	3.008	3.008	0.000	0	109085	50.0	53.5	
21 Acrolein	56	3.184	3.184	0.000	0	63358	150.0	118.4	
22 1,1-Dichloroethene	96	3.300	3.300	0.000	95	100386	50.0	53.8	M
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.403	3.403	0.000	0	128285	50.0	62.0	
24 Acetone	43	3.403	3.403	0.000	0	140309	50.0	159.6	
25 Iodomethane	142	3.561	3.561	0.000	0	123397	50.0	45.6	
26 Carbon disulfide	76	3.634	3.634	0.000	0	303714	50.0	53.4	
28 3-Chloro-1-propene	76	3.866	3.866	0.000	0	68698	50.0	45.9	
30 Methyl acetate	43	3.896	3.896	0.000	0	224031	100.0	116.2	
31 Methylene Chloride	84	4.091	4.091	0.000	0	151514	50.0	59.0	
32 2-Methyl-2-propanol	59	4.371	4.371	0.000	0	60743	500.0	449.3	
33 Acrylonitrile	53	4.492	4.492	0.000	0	467972	500.0	510.4	
34 trans-1,2-Dichloroethene	96	4.510	4.510	0.000	0	119301	50.0	54.1	
35 Methyl tert-butyl ether	73	4.529	4.529	0.000	0	283260	50.0	44.9	
36 Hexane	57	4.936	4.936	0.000	0	178136	50.0	47.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	226908	50.0	53.1	
38 Vinyl acetate	43	5.210	5.210	0.000	96	145781	50.0	33.6	
44 2,2-Dichloropropane	97	5.904	5.904	0.000	0	22550	50.0	54.9	
45 cis-1,2-Dichloroethene	96	5.910	5.910	0.000	0	121329	50.0	50.8	
46 2-Butanone (MEK)	43	5.928	5.928	0.000	0	155307	50.0	126.2	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	64438	50.0	53.0	
51 Tetrahydrofuran	42	6.208	6.208	0.000	0	63219	100.0	82.8	
52 Chloroform	83	6.335	6.335	0.000	0	248232	50.0	61.6	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	0	174609	50.0	54.7	
54 Cyclohexane	56	6.561	6.561	0.000	0	203137	50.0	49.1	
56 Carbon tetrachloride	117	6.664	6.664	0.000	0	154518	50.0	55.7	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	155905	50.0	50.6	
58 Benzene	78	6.895	6.895	0.000	0	513991	50.0	53.6	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	88117	1250.0	2461.6	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	185911	50.0	54.0	
62 n-Heptane	43	7.260	7.260	0.000	0	218978	50.0	49.6	
64 Trichloroethene	130	7.631	7.631	0.000	0	115897	50.0	50.7	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	181220	50.0	45.2	
67 1,2-Dichloropropane	63	7.905	7.905	0.000	0	134761	50.0	54.2	
68 Dibromomethane	93	7.990	7.990	0.000	0	71535	50.0	54.3	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	14236	1000.0	574.7	
71 Dichlorobromomethane	83	8.185	8.185	0.000	0	151605	50.0	54.5	
73 2-Chloroethyl vinyl ether	63	8.495	8.495	0.000	0	123331	100.0	88.2	
74 cis-1,3-Dichloropropene	75	8.635	8.635	0.000	0	156579	50.0	48.5	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	229226	50.0	109.9	
76 Toluene	91	8.957	8.957	0.000	0	523906	50.0	57.6	
77 trans-1,3-Dichloropropene	75	9.213	9.213	0.000	0	133037	50.0	49.6	
78 Ethyl methacrylate	69	9.274	9.274	0.000	0	99203	50.0	42.3	
79 1,1,2-Trichloroethane	97	9.402	9.402	0.000	0	111339	50.0	57.9	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	105916	50.0	58.5	
81 1,3-Dichloropropane	76	9.560	9.560	0.000	0	188806	50.0	54.6	
82 2-Hexanone	43	9.627	9.627	0.000	0	186845	50.0	138.4	
84 Chlorodibromomethane	129	9.773	9.773	0.000	0	92030	50.0	54.3	
85 Ethylene Dibromide	107	9.876	9.876	0.000	0	97254	50.0	52.8	
87 Chlorobenzene	112	10.369	10.369	0.000	0	323104	50.0	53.9	
89 1,1,1,2-Tetrachloroethane	131	10.466	10.466	0.000	0	116527	50.0	56.4	
90 Ethylbenzene	106	10.472	10.472	0.000	0	159657	50.0	50.8	
91 m-Xylene & p-Xylene	106	10.600	10.600	0.000	0	207598	50.0	53.5	
92 o-Xylene	106	10.983	10.983	0.000	0	184325	50.0	49.3	
93 Styrene	104	11.008	11.008	0.000	0	343034	50.0	54.7	
94 Bromoform	173	11.184	11.184	0.000	0	47233	50.0	49.9	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	482108	50.0	49.9	
100 Bromobenzene	156	11.659	11.659	0.000	0	134845	50.0	48.4	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.665	0.000	0	145350	50.0	57.4	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.701	0.000	3	11893	50.0	30.2	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	43040	50.0	46.2	
103 N-Propylbenzene	120	11.762	11.762	0.000	0	149155	50.0	48.6	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	135670	50.0	50.3	
106 1,3,5-Trimethylbenzene	105	11.944	11.944	0.000	0	466491	50.0	49.6	
107 4-Chlorotoluene	126	11.975	11.975	0.000	0	144875	50.0	53.0	
108 tert-Butylbenzene	119	12.261	12.261	0.000	0	351491	50.0	44.7	
110 1,2,4-Trimethylbenzene	105	12.322	12.322	0.000	0	489026	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
112 sec-Butylbenzene	105	12.480	12.480	0.000	0	598516	50.0	48.2	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	276956	50.0	50.4	
114 4-Isopropyltoluene	119	12.638	12.638	0.000	0	505885	50.0	48.4	
115 1,4-Dichlorobenzene	146	12.705	12.705	0.000	0	295889	50.0	52.8	
120 n-Butylbenzene	91	13.046	13.046	0.000	0	427391	50.0	44.8	
121 1,2-Dichlorobenzene	146	13.058	13.058	0.000	0	285426	50.0	51.6	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	0	18399	50.0	43.7	
126 1,2,4-Trichlorobenzene	180	14.670	14.670	0.000	90	126118	50.0	38.3	
127 Hexachlorobutadiene	225	14.810	14.810	0.000	0	97294	50.0	46.4	
128 Naphthalene	128	14.931	14.931	0.000	97	205944	50.0	30.7	
129 1,2,3-Trichlorobenzene	180	15.157	15.157	0.000	0	142689	50.0	43.0	
S 154 Total BTEX	106				0		250.0	264.7	
S 134 1,2-Dichloroethene, Total	96				0		100.0	104.9	
S 133 Xylenes, Total	106				0		100.0	102.8	
S 135 1,3-Dichloropropene, Total	1				0		100.0	98.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

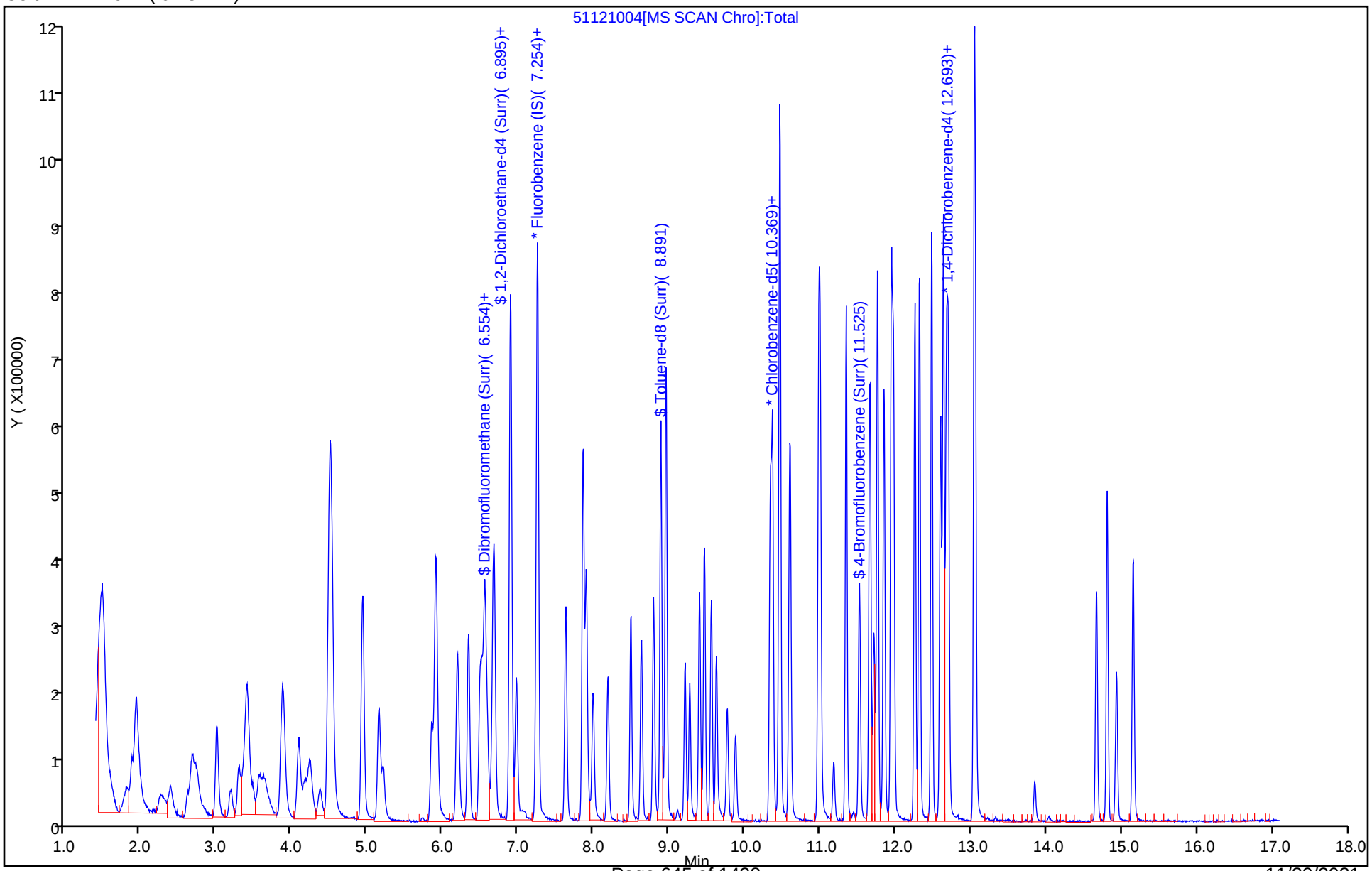
Report Date: 22-Nov-2021 11:09:52 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D

Injection Date:	21-Nov-2021 11:22:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

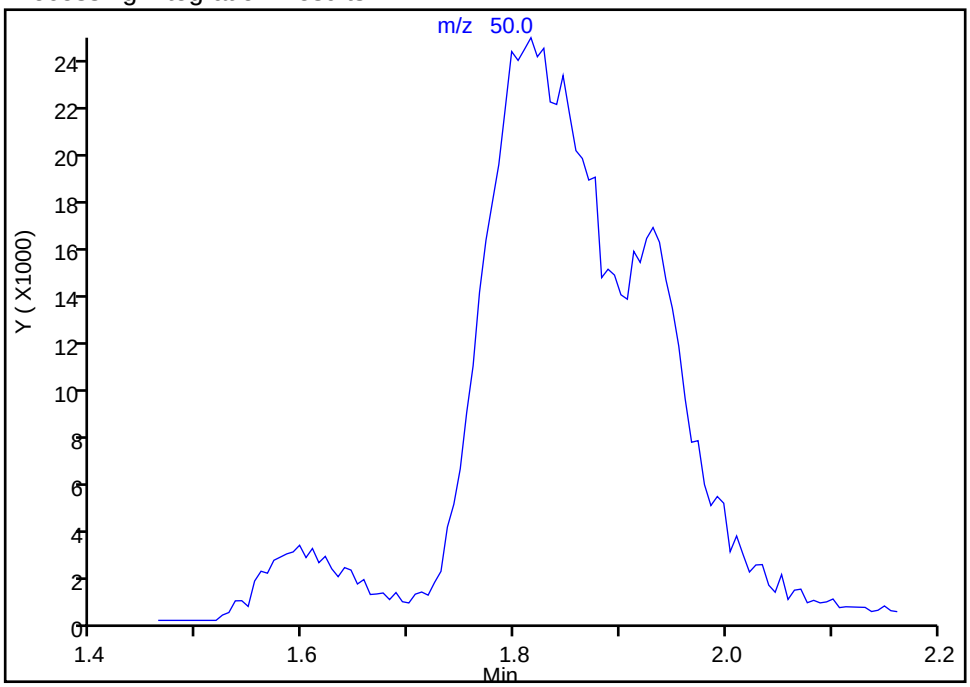
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D
Injection Date: 21-Nov-2021 11:22:30 Instrument ID: CHHP5
Lims ID: CCVIS
Client ID:
Operator ID: 034635 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

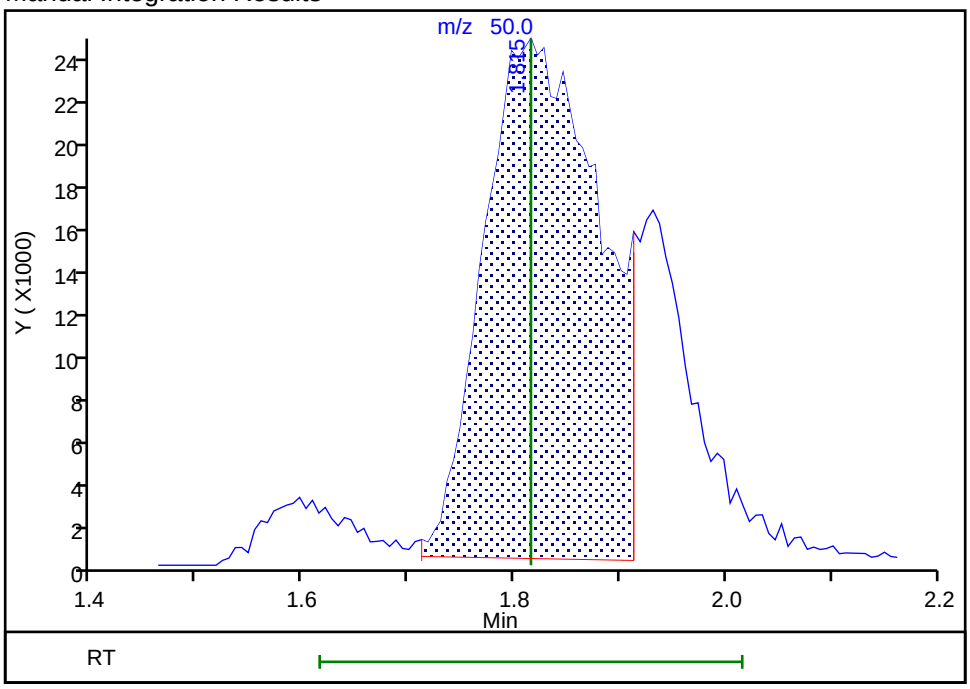
Not Detected
Expected RT: 1.82

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 184832
Amount: 62.694744
Amount Units: ng



Reviewer: journetp, 21-Nov-2021 10:52:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

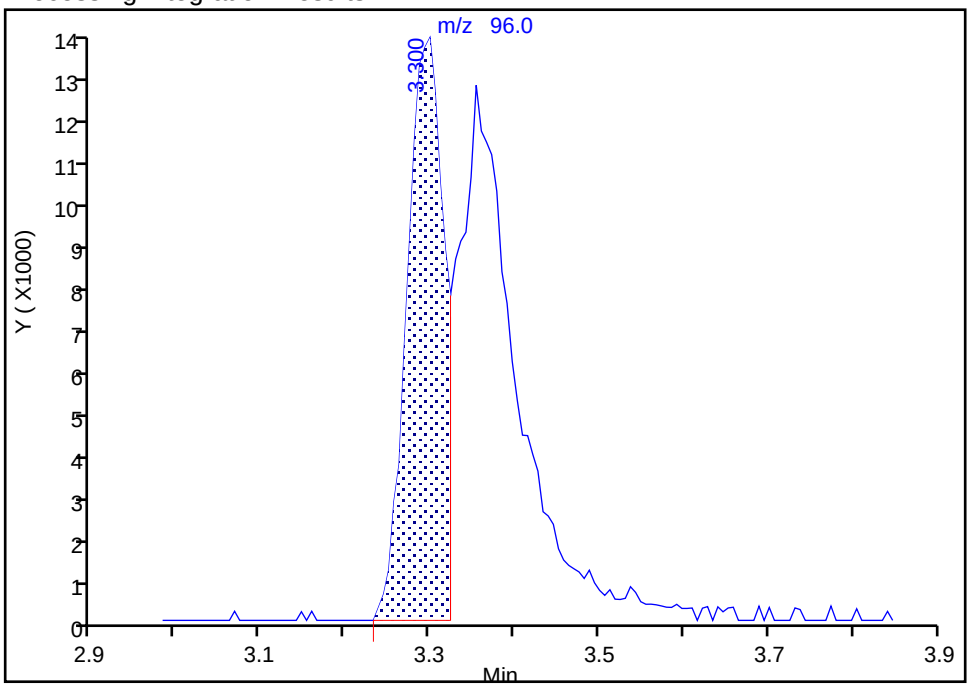
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121004.D				
Injection Date:	21-Nov-2021 11:22:30	Instrument ID:	CHHP5		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

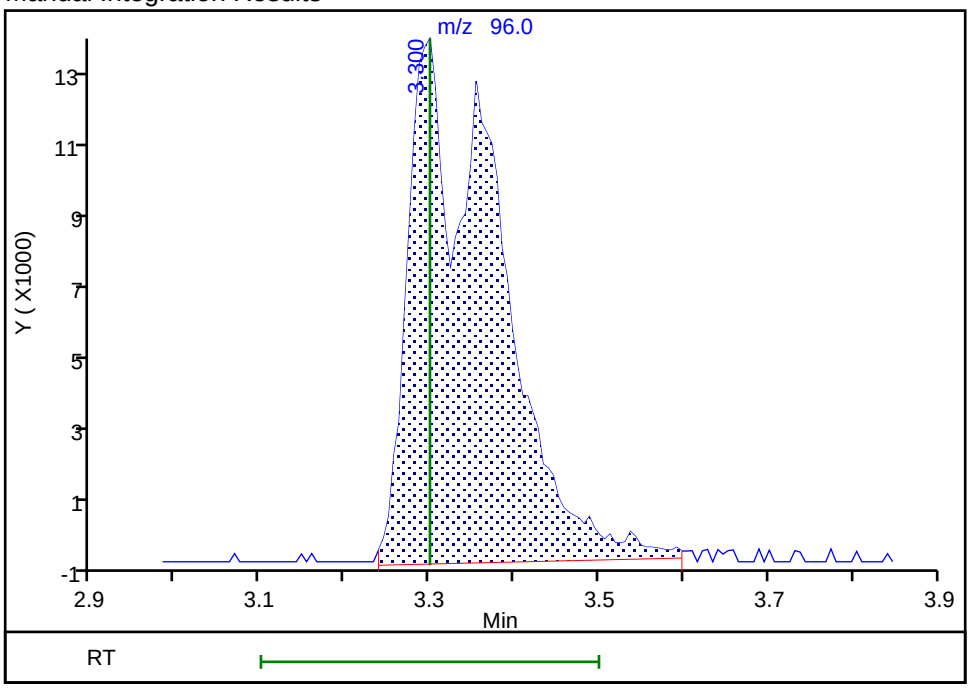
Processing Integration Results

RT: 3.30
Area: 41653
Amount: 22.335736
Amount Units: ng



Manual Integration Results

RT: 3.30
Area: 100386
Amount: 53.830342
Amount Units: ng



Reviewer: journetp, 21-Nov-2021 10:52:15

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.3473		10.0	10.0	100	65-135
Chloromethane	Ave	0.4085	0.4200	0.1000	10.3	10.0	103	65-135
Vinyl chloride	Ave	0.3407	0.3209		9.42	10.0	94	65-135
Bromomethane	Lin		0.1991		10.3	10.0	103	65-135
Chloroethane	Ave	0.2319	0.2285		9.85	10.0	99	65-135
Dichlorofluoromethane	Ave	0.5408	0.5552		10.3	10.0	103	65-135
Trichlorofluoromethane	Ave	0.4682	0.4782		10.2	10.0	102	65-135
Ethyl ether	Ave	0.2455	0.2327		9.48	10.0	95	65-135
1,1-Dichloroethene	Ave	0.2213	0.2239		10.1	10.0	101	65-135
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.2576		10.0	10.0	100	65-135
Acetone	Ave	0.1055	0.1037		19.6	20.0	98	65-135
Iodomethane	Ave	0.3266	0.3306		10.1	10.0	101	65-135
Carbon disulfide	Ave	0.6703	0.6531		9.74	10.0	97	65-135
Methyl acetate	Ave	0.2225	0.2079		18.7	20.0	93	65-135
3-Chloro-1-propene	Ave	0.1397	0.1337		9.57	10.0	96	65-135
Methylene Chloride	Lin1		0.2908		9.34	10.0	93	65-135
2-Methyl-2-propanol	Ave	1.170	1.192		102	100	102	65-135
Acrylonitrile	Ave	0.1194	0.1097		91.9	100	92	65-135
Methyl tert-butyl ether	Ave	0.6047	0.6468		10.7	10.0	107	65-135
trans-1,2-Dichloroethene	Ave	0.2851	0.2816		9.88	10.0	99	65-135
Hexane	Ave	0.4360	0.3998		9.17	10.0	92	65-135
1,1-Dichloroethane	Ave	0.5400	0.5412	0.1000	10.0	10.0	100	65-135
2-Butanone (MEK)	Lin		0.1270		19.0	20.0	95	65-135
cis-1,2-Dichloroethene	Ave	0.3026	0.2962		9.79	10.0	98	65-135
2,2-Dichloropropane	Ave	0.0714	0.0702		9.82	10.0	98	65-135
Chlorobromomethane	Ave	0.1346	0.1304		9.69	10.0	97	65-135
Tetrahydrofuran	Ave	0.0732	0.0758		20.7	20.0	104	65-135
Chloroform	Ave	0.4974	0.4934		9.92	10.0	99	65-135
1,1,1-Trichloroethane	Ave	0.4241	0.4213		9.93	10.0	99	65-135
Cyclohexane	Ave	0.5222	0.5417		10.4	10.0	104	65-135
1,1-Dichloropropene	Ave	0.3739	0.3783		10.1	10.0	101	65-135
Carbon tetrachloride	Ave	0.3412	0.3460		10.1	10.0	101	65-135
Isobutyl alcohol	Ave	0.0091	0.0089		246	250	98	65-135
Benzene	Ave	1.159	1.170		10.1	10.0	101	65-135
1,2-Dichloroethane	Ave	0.4295	0.4317		10.1	10.0	101	65-135
Trichloroethene	Ave	0.2764	0.2701		9.77	10.0	98	65-135
Methylcyclohexane	Lin1		0.4042		9.49	10.0	95	65-135
1,2-Dichloropropane	Ave	0.3079	0.3031		9.85	10.0	98	65-135
1,4-Dioxane	Lin		0.0028		218	200	109	65-135
Dibromomethane	Ave	0.1471	0.1382		9.40	10.0	94	65-135

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.3218		10.0	10.0	100	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3379		10.7	10.0	107	65-135
4-Methyl-2-pentanone (MIBK)	Lin2		1.127		19.5	20.0	98	65-135
Toluene	Ave	5.610	6.348		11.3	10.0	113	65-135
Ethyl methacrylate	Qua		1.127		11.0	10.0	110	65-135
trans-1,3-Dichloropropene	Ave	1.484	1.664		11.2	10.0	112	65-135
1,1,2-Trichloroethane	Ave	1.085	1.173		10.8	10.0	108	65-135
Tetrachloroethene	Ave	1.068	1.196		11.2	10.0	112	65-135
2-Hexanone	Lin2		0.7621		19.9	20.0	100	65-135
1,3-Dichloropropane	Ave	1.996	2.168		10.9	10.0	109	65-135
Chlorodibromomethane	Ave	0.9234	0.9603		10.4	10.0	104	65-135
Ethylene Dibromide	Ave	0.9882	1.036		10.5	10.0	105	65-135
Chlorobenzene	Ave	3.359	3.620	0.3000	10.8	10.0	108	65-135
Ethylbenzene	Lin1		1.988		10.7	10.0	107	65-135
1,1,1,2-Tetrachloroethane	Ave	1.088	1.147		10.5	10.0	105	65-135
m-Xylene & p-Xylene	Lin1		2.440		10.2	10.0	102	65-135
o-Xylene	Lin		2.262		10.8	10.0	108	65-135
Styrene	Lin1		3.379		9.71	10.0	97	65-135
Bromoform	Ave	0.4232	0.4667	0.1000	11.0	10.0	110	65-135
Isopropylbenzene	Lin2		5.835		10.1	10.0	101	65-135
1,1,2,2-Tetrachloroethane	Ave	1.169	1.209	0.3000	10.3	10.0	103	65-135
trans-1,4-Dichloro-2-butene	Lin1		0.1912		9.06	10.0	91	65-135
1,2,3-Trichloropropane	Ave	0.3221	0.2905		9.02	10.0	90	65-135
Bromobenzene	Ave	0.9030	0.8891		9.85	10.0	98	65-135
N-Propylbenzene	Lin2		1.042		10.4	10.0	104	65-135
2-Chlorotoluene	Ave	0.8817	0.8816		10.0	10.0	100	65-135
1,3,5-Trimethylbenzene	Lin2		3.073		9.59	10.0	96	65-135
4-Chlorotoluene	Ave	0.9038	0.8827		9.77	10.0	98	65-135
tert-Butylbenzene	Lin2		2.622		9.92	10.0	99	65-135
1,2,4-Trimethylbenzene	Lin2		2.992		9.51	10.0	95	65-135
sec-Butylbenzene	Lin2		3.362		10.2	10.0	102	65-135
4-Isopropyltoluene	Lin1		2.580		8.99	10.0	90	65-135
1,3-Dichlorobenzene	Ave	1.643	1.627		9.90	10.0	99	65-135
1,4-Dichlorobenzene	Ave	1.667	1.627		9.76	10.0	98	65-135
n-Butylbenzene	Lin1		1.917		9.76	10.0	98	65-135
1,2-Dichlorobenzene	Ave	1.438	1.451		10.1	10.0	101	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0993		11.0	10.0	110	65-135
1,2,4-Trichlorobenzene	Ave	0.3663	0.3602		9.83	10.0	98	65-135
Hexachlorobutadiene	Lin2		0.2231		11.5	10.0	115	65-135
Naphthalene	Ave	0.5219	0.6423		12.3	10.0	123	65-135
1,2,3-Trichlorobenzene	Ave	0.1916	0.2263		11.8	10.0	118	65-135

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dibromofluoromethane (Surr)	Ave	0.2118	0.2137		10.1	10.0	101	65-135
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3062		9.30	10.0	93	65-135
Toluene-d8 (Surr)	Ave	4.481	4.677		10.4	10.0	104	65-135
4-Bromofluorobenzene (Surr)	Ave	1.487	1.501		10.1	10.0	101	65-135

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110529.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-Nov-2020 20:31:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-029
Operator ID: 034635 Instrument ID: CHHP6
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 06-Nov-2020 09:11:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: journetp Date: 06-Nov-2020 09:09:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.314	7.319	-0.005	90	198883	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.174	10.172	0.002	98	588302	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.246	13.244	0.002	89	111019	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.637	15.629	0.008	97	164197	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.456	9.460	-0.004	93	125748	50.0	50.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.833	9.831	0.002	88	180111	50.0	46.5	
$ 7 Toluene-d8 (Surr)	98	11.768	11.772	-0.004	94	519227	50.0	52.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.420	14.418	0.002	0	166683	50.0	50.5	
11 Dichlorodifluoromethane	85	3.415	3.419	-0.004	87	204322	50.0	50.1	
12 Chloromethane	50	3.853	3.857	-0.004	99	247086	50.0	51.4	
13 Vinyl chloride	62	4.133	4.137	-0.004	98	188789	50.0	47.1	
14 Butadiene	39	4.200	4.198	0.002	91	220610	50.0	47.2	
15 Bromomethane	94	4.857	4.837	0.020	91	117113	50.0	51.6	
16 Chloroethane	64	5.112	5.105	0.007	99	134423	50.0	49.3	
17 Dichlorofluoromethane	67	5.562	5.567	-0.005	97	326608	50.0	51.3	
18 Trichlorofluoromethane	101	5.593	5.597	-0.004	86	281302	50.0	51.1	
20 Ethyl ether	59	6.110	6.120	-0.010	95	136877	50.0	47.4	
22 1,1-Dichloroethene	96	6.511	6.504	0.007	93	131716	50.0	50.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.560	6.558	0.002	94	151568	50.0	50.1	
24 Acetone	43	6.590	6.595	-0.005	98	121975	100.0	98.2	
25 Iodomethane	142	6.736	6.741	-0.005	98	194477	50.0	50.6	
26 Carbon disulfide	76	6.858	6.857	0.001	100	384202	50.0	48.7	
30 Methyl acetate	43	7.071	7.069	0.002	98	244619	100.0	93.5	
29 3-Chloro-1-propene	76	7.095	7.082	0.013	89	78633	50.0	47.9	
31 Methylene Chloride	84	7.272	7.276	-0.004	98	171056	50.0	46.7	
32 2-Methyl-2-propanol	59	7.430	7.434	-0.004	92	118504	500.0	509.4	
33 Acrylonitrile	53	7.613	7.617	-0.005	99	645396	500.0	459.5	
35 Methyl tert-butyl ether	73	7.649	7.641	0.008	98	380498	50.0	53.5	
34 trans-1,2-Dichloroethene	96	7.655	7.660	-0.005	96	165688	50.0	49.4	
36 Hexane	57	8.014	8.012	0.002	94	235199	50.0	45.8	
37 1,1-Dichloroethane	63	8.233	8.231	0.002	97	318403	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2-Butanone (MEK)	43	8.884	8.882	0.002	99	149469	100.0	95.0	
43 cis-1,2-Dichloroethene	96	8.920	8.919	0.001	87	174269	50.0	48.9	
42 2,2-Dichloropropane	97	8.927	8.925	0.002	75	41288	50.0	49.1	
48 Chlorobromomethane	128	9.188	9.180	0.008	93	76740	50.0	48.5	
49 Tetrahydrofuran	42	9.212	9.211	0.001	46	89150	100.0	103.5	
50 Chloroform	83	9.285	9.284	0.001	96	290269	50.0	49.6	
51 1,1,1-Trichloroethane	97	9.486	9.491	-0.005	97	247829	50.0	49.7	
52 Cyclohexane	56	9.571	9.570	0.001	94	318661	50.0	51.9	
54 1,1-Dichloropropene	75	9.644	9.649	-0.005	92	222572	50.0	50.6	
53 Carbon tetrachloride	117	9.663	9.661	0.002	96	203531	50.0	50.7	
55 Isobutyl alcohol	41	9.699	9.698	0.001	89	130944	1250.0	1227.7	
56 Benzene	78	9.876	9.880	-0.004	97	688313	50.0	50.5	
57 1,2-Dichloroethane	62	9.918	9.917	0.001	96	253990	50.0	50.3	
59 n-Heptane	43	10.119	10.117	0.002	93	180137	50.0	49.7	
61 Trichloroethene	130	10.539	10.543	-0.004	96	158885	50.0	48.8	
63 Methylcyclohexane	83	10.794	10.793	0.001	92	237804	50.0	47.5	
64 1,2-Dichloropropane	63	10.812	10.811	0.001	74	178342	50.0	49.2	
65 1,4-Dioxane	88	10.861	10.859	0.002	98	32562	1000.0	1092.1	
67 Dibromomethane	93	10.910	10.908	0.002	97	81294	50.0	47.0	
68 Dichlorobromomethane	83	11.068	11.060	0.008	98	189311	50.0	50.0	
71 cis-1,3-Dichloropropene	75	11.488	11.492	-0.004	91	198801	50.0	53.5	
72 4-Methyl-2-pentanone (MIBK)	43	11.603	11.602	0.001	98	250182	100.0	97.6	
73 Toluene	91	11.841	11.839	0.002	97	704762	50.0	56.6	
75 Ethyl methacrylate	69	12.035	12.034	0.001	70	125121	50.0	54.8	
74 trans-1,3-Dichloropropene	75	12.041	12.040	0.001	92	184783	50.0	56.1	
76 1,1,2-Trichloroethane	97	12.248	12.247	0.002	95	130239	50.0	54.0	
77 Tetrachloroethene	164	12.370	12.368	0.002	91	132740	50.0	56.0	
79 2-Hexanone	43	12.418	12.417	0.001	65	169205	100.0	99.7	
78 1,3-Dichloropropane	76	12.425	12.417	0.008	95	240638	50.0	54.3	
81 Chlorodibromomethane	129	12.656	12.654	0.002	91	106611	50.0	52.0	
82 Ethylene Dibromide	107	12.802	12.800	0.002	98	115041	50.0	52.4	
84 Chlorobenzene	112	13.276	13.275	0.001	94	401872	50.0	53.9	
87 Ethylbenzene	106	13.337	13.342	-0.005	99	220704	50.0	53.6	
86 1,1,1,2-Tetrachloroethane	131	13.343	13.342	0.001	92	127332	50.0	52.7	
88 m-Xylene & p-Xylene	106	13.459	13.463	-0.004	100	270850	50.0	50.8	
89 o-Xylene	106	13.860	13.865	-0.005	97	251079	50.0	53.9	
90 Styrene	104	13.878	13.877	0.001	95	375114	50.0	48.5	
91 Bromoform	173	14.104	14.102	0.002	95	51808	50.0	55.1	
93 Isopropylbenzene	105	14.219	14.218	0.001	96	647779	50.0	50.3	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.516	-0.011	96	134190	50.0	51.7	
97 trans-1,4-Dichloro-2-butene	53	14.548	14.546	0.002	63	31397	50.0	45.3	
98 1,2,3-Trichloropropane	110	14.602	14.595	0.007	59	47693	50.0	45.1	
95 Bromobenzene	156	14.602	14.601	0.001	91	145982	50.0	49.2	
99 N-Propylbenzene	120	14.639	14.637	0.002	98	171090	50.0	51.8	
100 2-Chlorotoluene	126	14.767	14.771	-0.004	96	144762	50.0	50.0	
102 1,3,5-Trimethylbenzene	105	14.803	14.802	0.001	93	504516	50.0	47.9	
103 4-Chlorotoluene	126	14.888	14.887	0.001	99	144939	50.0	48.8	
104 tert-Butylbenzene	119	15.144	15.148	-0.004	94	430585	50.0	49.6	
106 1,2,4-Trimethylbenzene	105	15.199	15.203	-0.004	98	491305	50.0	47.5	
108 sec-Butylbenzene	105	15.381	15.379	0.002	95	552050	50.0	50.9	
110 4-Isopropyltoluene	119	15.521	15.526	-0.005	97	423643	50.0	45.0	
109 1,3-Dichlorobenzene	146	15.558	15.556	0.002	95	267078	50.0	49.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
111 1,4-Dichlorobenzene	146	15.661	15.659	0.002	91	267186	50.0	48.8	
116 n-Butylbenzene	91	15.947	15.945	0.002	98	314779	50.0	48.8	
117 1,2-Dichlorobenzene	146	16.032	16.037	-0.004	96	238239	50.0	50.4	
118 1,2-Dibromo-3-Chloropropane	75	16.780	16.785	-0.005	68	16304	50.0	54.8	
122 1,2,4-Trichlorobenzene	180	17.589	17.582	0.007	93	59142	50.0	49.2	
123 Hexachlorobutadiene	225	17.693	17.697	-0.004	94	36626	50.0	57.5	
124 Naphthalene	128	17.875	17.880	-0.005	96	105458	50.0	61.5	
125 1,2,3-Trichlorobenzene	180	18.106	18.105	0.001	95	37155	50.0	59.0	
S 130 1,2-Dichloroethene, Total	96				0		100.0	98.3	
S 131 Xylenes, Total	106				0		100.0	104.7	
S 154 Total BTEX	1				0		250.0	265.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.6	

QC Flag Legend

Processing Flags

Reagents:

VOAKETONE2ND_00005	Amount Added:	2.00	Units: uL		
VOA8260VOA2ND_00427	Amount Added:	2.00	Units: uL		
VOA8260INT_00112	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00112	Amount Added:	2.00	Units: uL	Run Reagent	

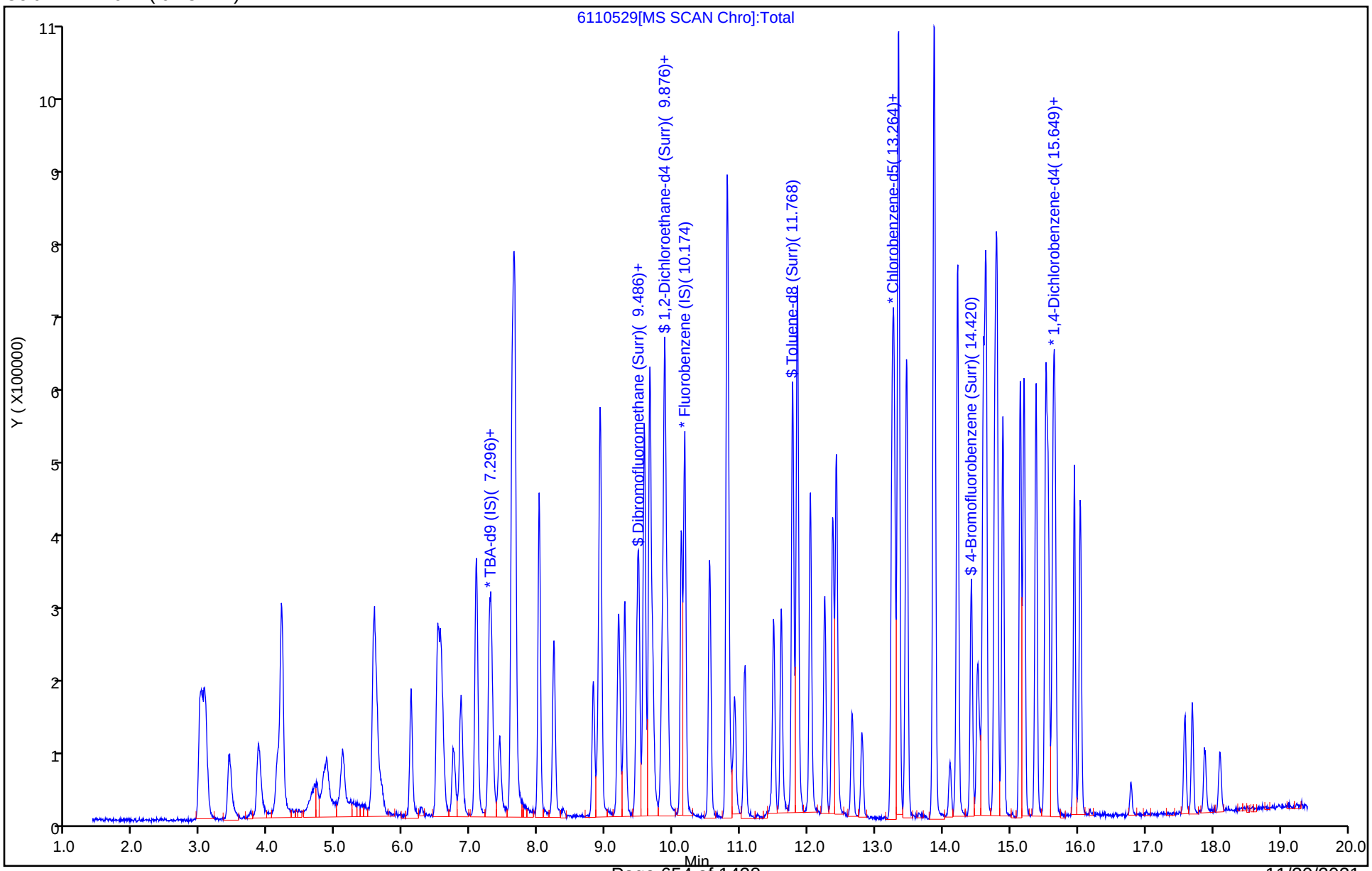
Report Date: 06-Nov-2020 09:11:30 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110529.D

Injection Date:	05-Nov-2020 20:31:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 04/13/2020 10:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/13/2020 13:43

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Ave	0.1585	0.0696		8.78	20.0	44	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

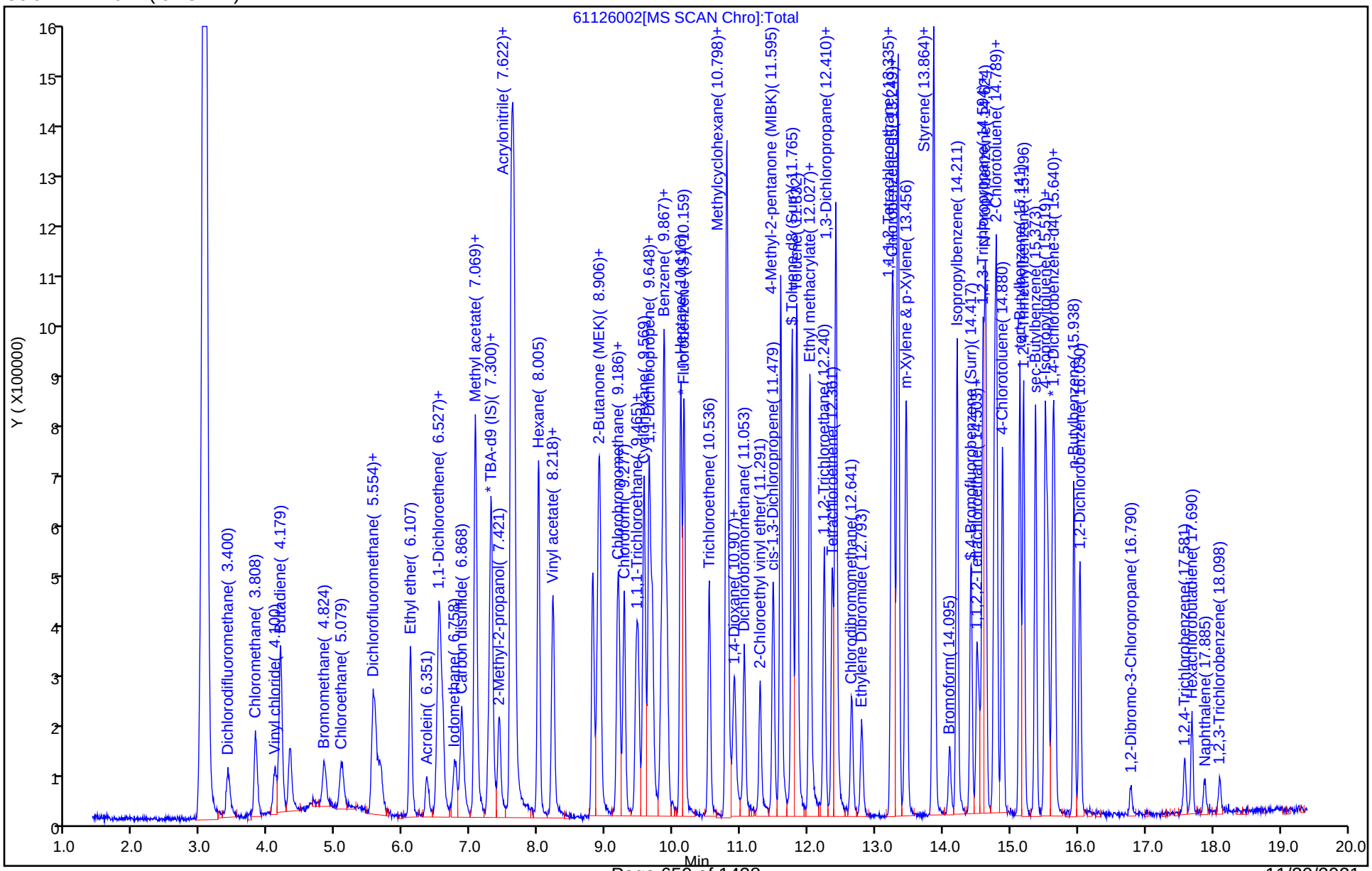
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 07/16/2020 11:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/16/2020 17:59

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0424	0.0459		32.5	30.0	108	60-140
Vinyl acetate	Ave	0.3746	0.3068		8.19	10.0	82	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

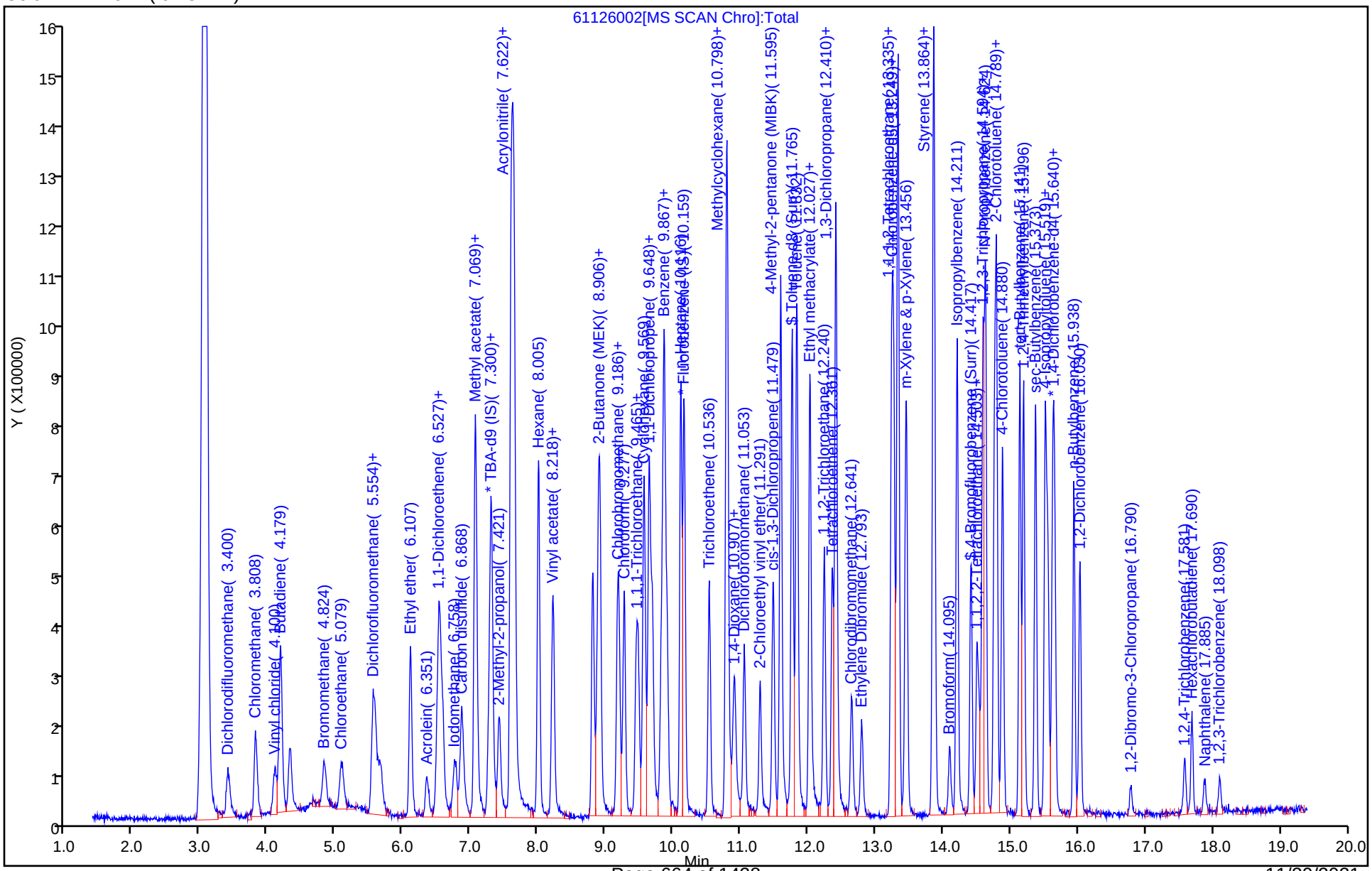
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.2056		5.94	10.0	59	16-157
Chloromethane	Ave	0.4085	0.3731	0.1000	9.13	10.0	91	10-170
Vinyl chloride	Ave	0.3407	0.2526		7.41	10.0	74	10-170
Bromomethane	Ave	0.1981	0.1333		6.73	10.0	67	15-170
Chloroethane	Ave	0.2319	0.1763		7.60	10.0	76	40-160
Dichlorofluoromethane	Ave	0.5408	0.3647		6.74	10.0	67	39-150
Trichlorofluoromethane	Ave	0.4682	0.2537		5.42	10.0	54	50-150
Ethyl ether	Ave	0.2455	0.2927		11.9	10.0	119	35-134
1,1-Dichloroethene	Ave	0.2213	0.1936		8.75	10.0	88	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.1967		7.65	10.0	76	49-150
Acetone	Ave	0.1055	0.1113		31.6	30.0	105	10-170
Iodomethane	Ave	0.3266	0.2911		8.91	10.0	89	49-155
Carbon disulfide	Ave	0.6703	0.6059		9.04	10.0	90	50-152
Methyl acetate	Ave	0.2225	0.4870		43.8	20.0	219*	10-170
3-Chloro-1-propene	Ave	0.1397	0.1200		8.59	10.0	86	53-137
Methylene Chloride	Lin1		0.2818		9.02	10.0	90	60-140
2-Methyl-2-propanol	Ave	1.170	1.216		104	100	104	56-129
Acrylonitrile	Ave	0.1194	0.1659		139	100	139	60-140
Methyl tert-butyl ether	Ave	0.6047	0.6780		11.2	10.0	112	40-162
trans-1,2-Dichloroethene	Ave	0.2851	0.2288		8.02	10.0	80	70-130
Hexane	Ave	0.4360	0.4049		9.29	10.0	93	31-148
1,1-Dichloroethane	Ave	0.5400	0.4790	0.1000	8.87	10.0	89	70-130
2-Butanone (MEK)	Ave	0.1368	0.1872		41.1	30.0	137	10-170
cis-1,2-Dichloroethene	Ave	0.3026	0.2638		8.72	10.0	87	67-124
2,2-Dichloropropane	Ave	0.0714	0.0449		6.29	10.0	63	42-144
Chlorobromomethane	Ave	0.1346	0.1276		9.48	10.0	95	55-147
Tetrahydrofuran	Ave	0.0732	0.1201		32.8	20.0	164	10-170
Chloroform	Ave	0.4974	0.3994		8.03	10.0	80	70-135
1,1,1-Trichloroethane	Ave	0.4241	0.2761		6.51	10.0	65*	70-130
Cyclohexane	Ave	0.5222	0.4821		9.23	10.0	92	36-150
1,1-Dichloropropene	Ave	0.3739	0.2696		7.21	10.0	72	57-132
Carbon tetrachloride	Ave	0.3412	0.2140		6.27	10.0	63*	70-130
Isobutyl alcohol	Ave	0.0091	0.0121		333	250	133	10-170
Benzene	Ave	1.159	1.014		8.75	10.0	87	65-135
1,2-Dichloroethane	Ave	0.4295	0.4025		9.37	10.0	94	70-130
Trichloroethene	Ave	0.2764	0.2230		8.07	10.0	81	65-135
Methylcyclohexane	Lin1		0.3312		7.83	10.0	78	30-170
1,2-Dichloropropane	Ave	0.3079	0.2988		9.70	10.0	97	35-165
1,4-Dioxane	Ave	0.0023	0.0029		247	200	123	10-170
Dibromomethane	Ave	0.1471	0.1548		10.5	10.0	105	48-151

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.2768		8.61	10.0	86	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3398		10.8	10.0	108	25-170
4-Methyl-2-pentanone (MIBK)	Lin2		1.703		39.3	30.0	131	12-152
Toluene	Ave	5.610	4.797		8.55	10.0	86	70-130
Ethyl methacrylate	Qua1		1.236		11.9	10.0	119	37-166
trans-1,3-Dichloropropene	Ave	1.484	1.458		9.82	10.0	98	50-150
1,1,2-Trichloroethane	Ave	1.085	1.111		10.2	10.0	102	70-130
Tetrachloroethene	Ave	1.068	0.7629		7.14	10.0	71	70-130
1,3-Dichloropropane	Ave	1.996	1.949		9.76	10.0	98	50-134
2-Hexanone	Lin2		1.050		37.0	30.0	123	10-157
Chlorodibromomethane	Ave	0.9234	0.8745		9.47	10.0	95	70-135
Ethylene Dibromide	Ave	0.9882	0.9668		9.78	10.0	98	46-138
Chlorobenzene	Ave	3.359	3.024	0.3000	9.00	10.0	90	65-135
1,1,1,2-Tetrachloroethane	Ave	1.088	1.014		9.32	10.0	93	66-137
Ethylbenzene	Lin1		1.438		7.87	10.0	79	60-140
m-Xylene & p-Xylene	Lin1		1.824		7.74	10.0	77	60-130
o-Xylene	Ave	1.897	1.694		8.93	10.0	89	62-133
Styrene	Lin1		2.759		8.09	10.0	81	64-119
Bromoform	Ave	0.4232	0.4485	0.1000	10.6	10.0	106	70-130
Isopropylbenzene	Lin2		3.950		6.98	10.0	70	47-143
1,1,2,2-Tetrachloroethane	Ave	1.169	1.136	0.3000	9.72	10.0	97	60-140
trans-1,4-Dichloro-2-butene	Lin1		0.3105		14.6	10.0	146	10-170
1,2,3-Trichloropropane	Ave	0.3221	0.3464		10.8	10.0	108	30-142
Bromobenzene	Ave	0.9030	0.9324		10.3	10.0	103	64-131
N-Propylbenzene	Lin2		1.058		10.5	10.0	105	37-166
2-Chlorotoluene	Ave	0.8817	0.9001		10.2	10.0	102	48-145
1,3,5-Trimethylbenzene	Lin2		2.990		9.34	10.0	93	50-150
4-Chlorotoluene	Ave	0.9038	0.8728		9.66	10.0	97	53-140
tert-Butylbenzene	Lin2		2.676		10.1	10.0	101	19-170
1,2,4-Trimethylbenzene	Lin2		2.910		9.26	10.0	93	37-147
sec-Butylbenzene	Lin2		3.437		10.4	10.0	104	20-170
4-Isopropyltoluene	Lin1		2.732		9.47	10.0	95	19-170
1,3-Dichlorobenzene	Ave	1.643	1.437		8.75	10.0	87	70-130
1,4-Dichlorobenzene	Ave	1.667	1.430		8.57	10.0	86	65-135
n-Butylbenzene	Lin1		2.058		10.4	10.0	104	10-170
1,2-Dichlorobenzene	Ave	1.438	1.239		8.62	10.0	86	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0748		8.25	10.0	83	10-170
1,2,4-Trichlorobenzene	Ave	0.3663	0.2212		6.04	10.0	60	10-170
Hexachlorobutadiene	Lin2		0.2037		10.4	10.0	104	10-170
Naphthalene	Qua1		0.3571		7.67	10.0	77	10-170
1,2,3-Trichlorobenzene	Ave	0.1916	0.1369		7.14	10.0	71	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.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
Dibromofluoromethane (Surr)	Ave	0.2118	0.2155		10.2	10.0	1.8	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3100		9.41	10.0	-5.9	
Toluene-d8 (Surr)	Ave	4.481	4.010		8.95	10.0	-10.5	
4-Bromofluorobenzene (Surr)	Ave	1.487	1.295		8.71	10.0	-12.9	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

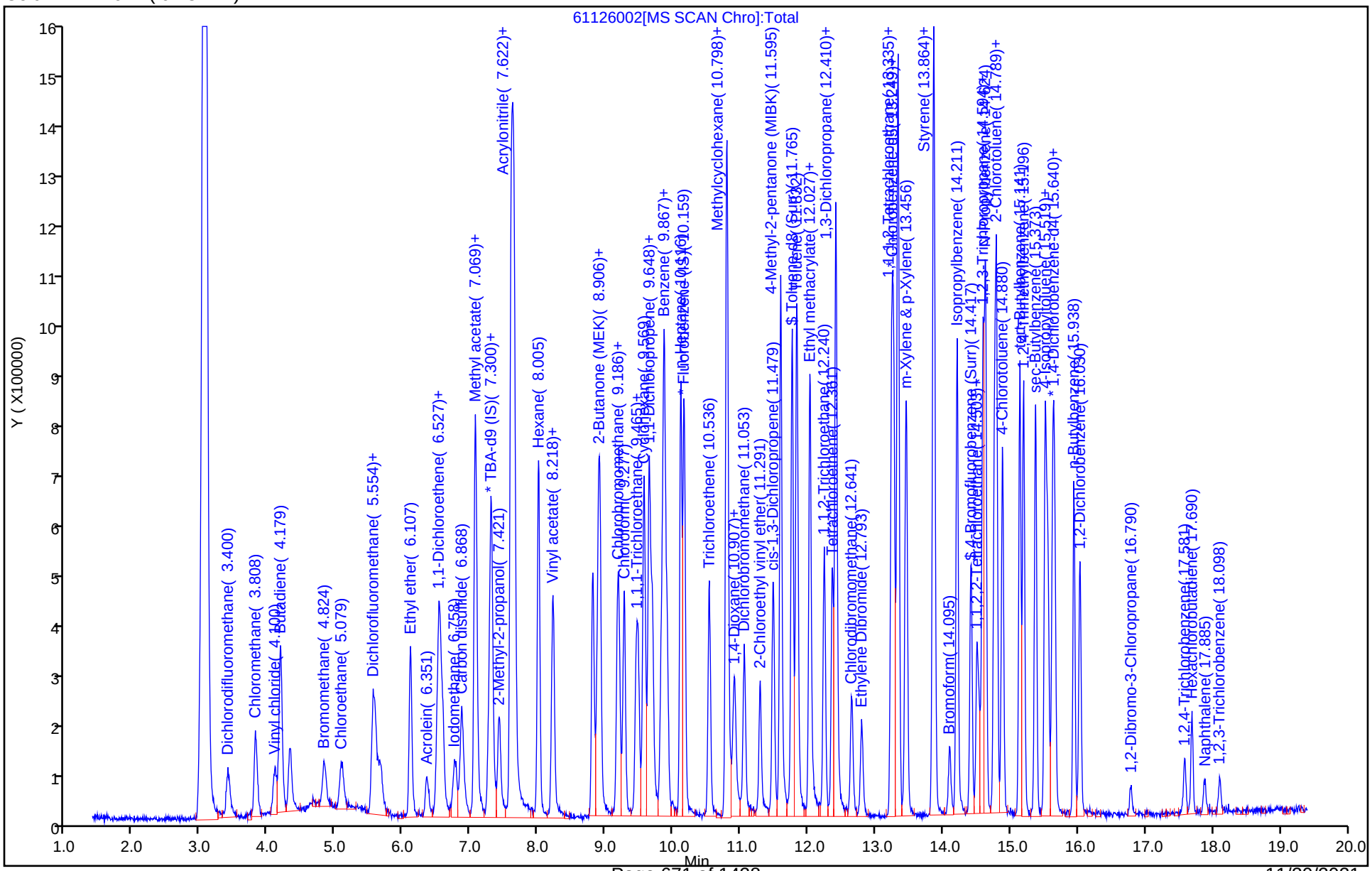
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

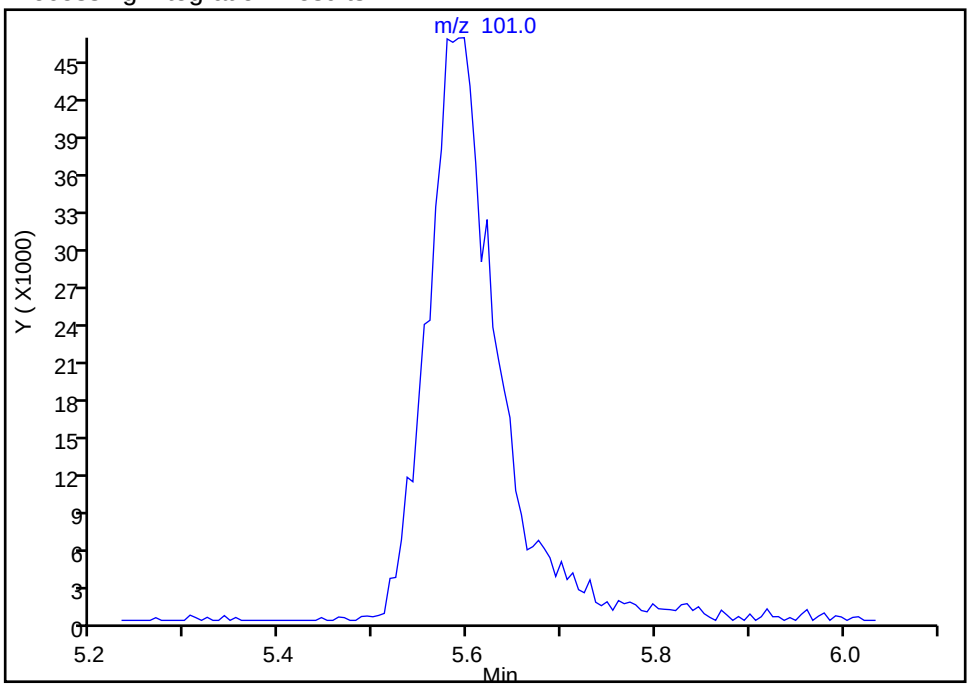
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

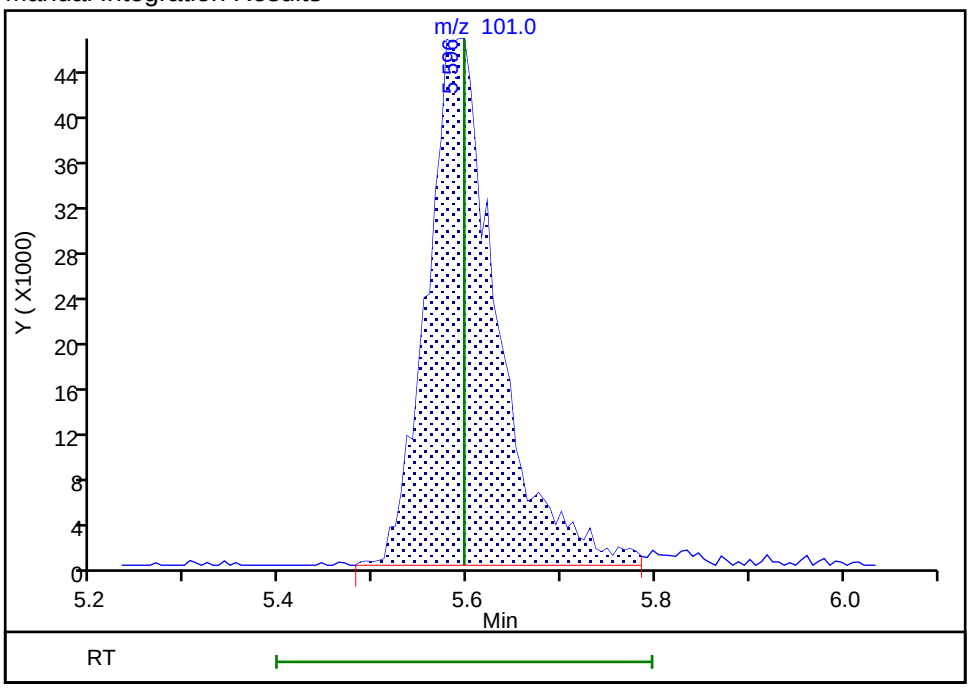
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 242228
Amount: 27.090445
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

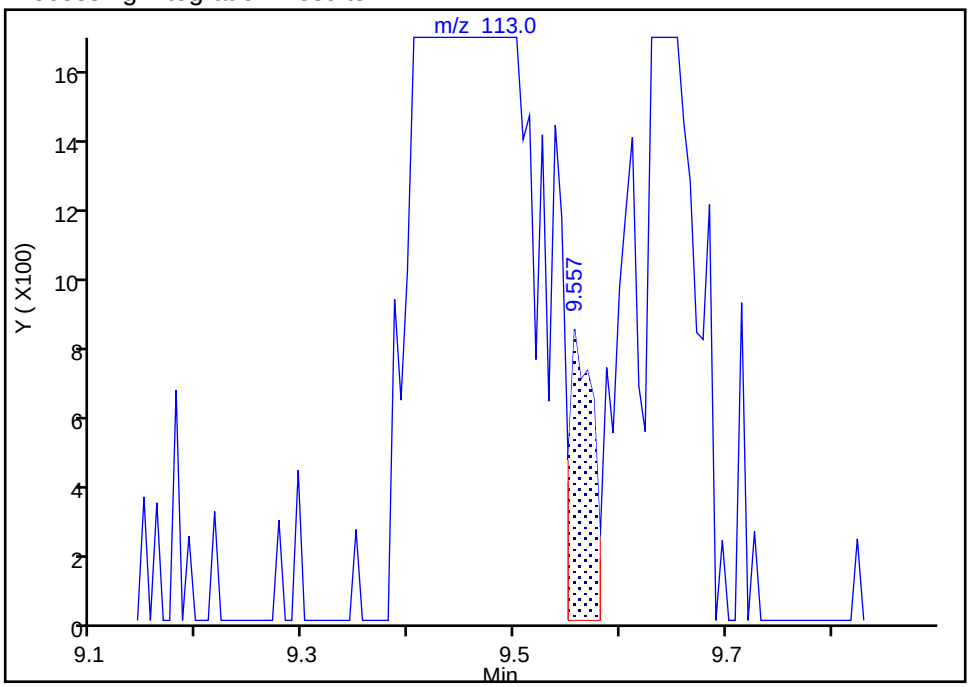
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 5 Dibromofluoromethane (Surr), CAS: 1868-53-7

Signal: 1

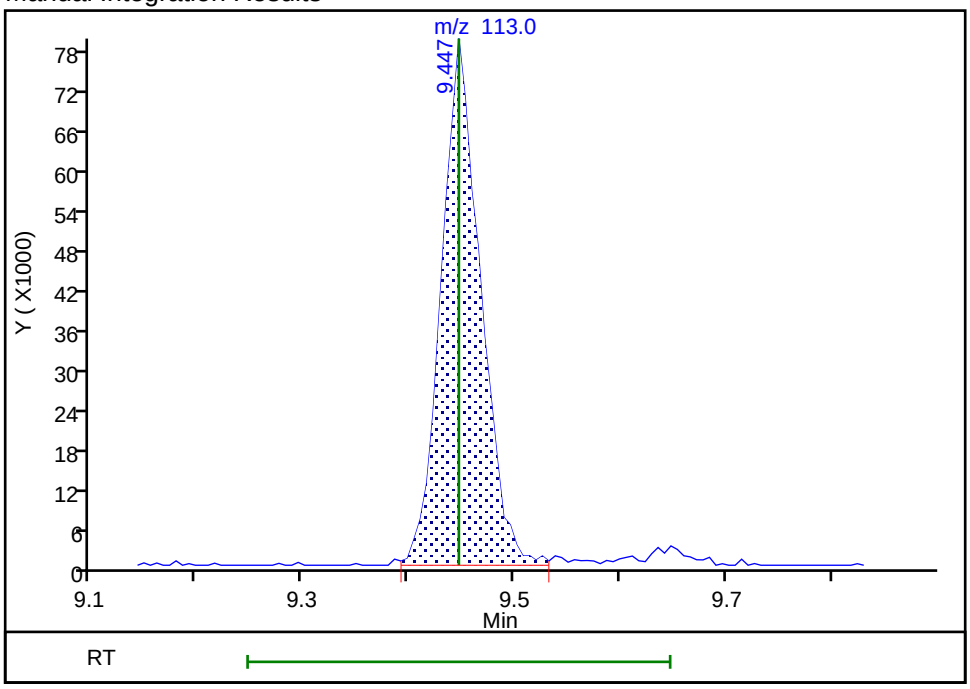
Processing Integration Results

RT: 9.56
Area: 1313
Amount: 0.324661
Amount Units: ng



Manual Integration Results

RT: 9.45
Area: 205788
Amount: 50.884460
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

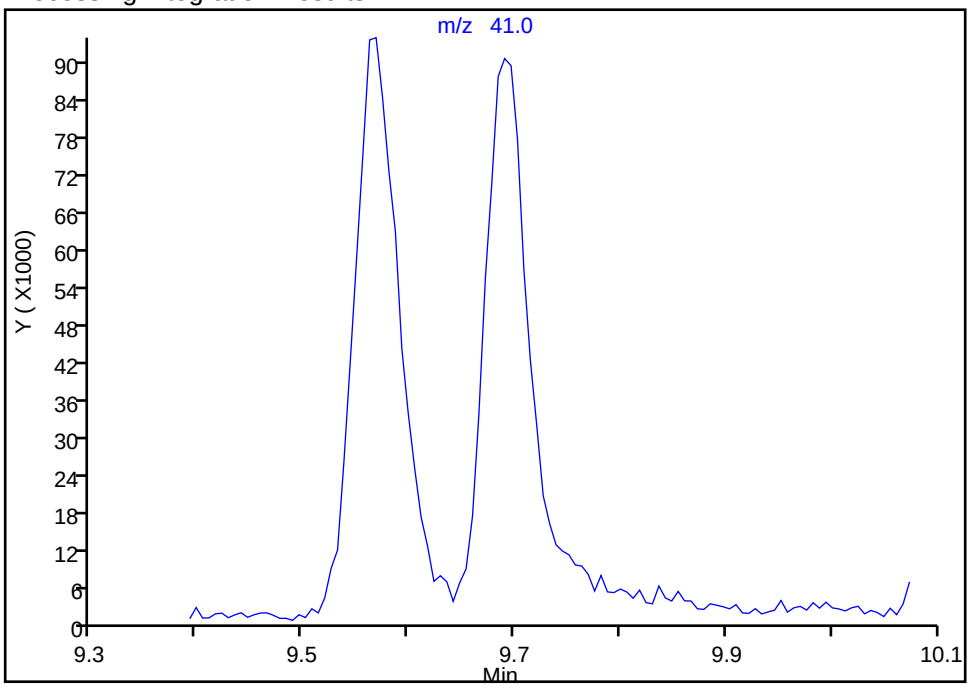
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

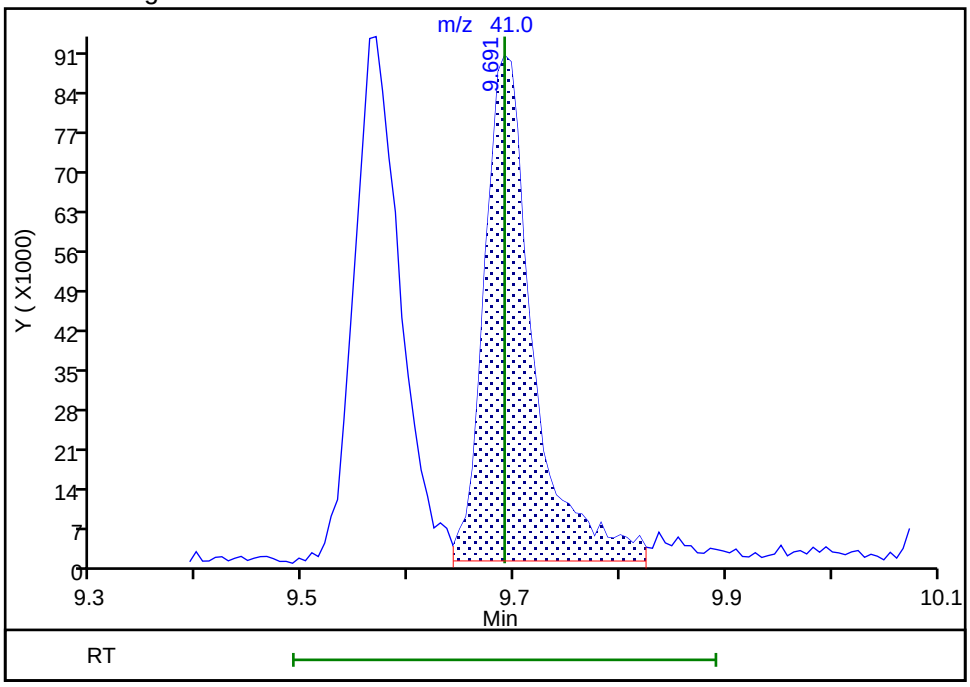
Not Detected
Expected RT: 9.69

Processing Integration Results



Manual Integration Results

RT: 9.69
Area: 288224
Amount: 1664.9804
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

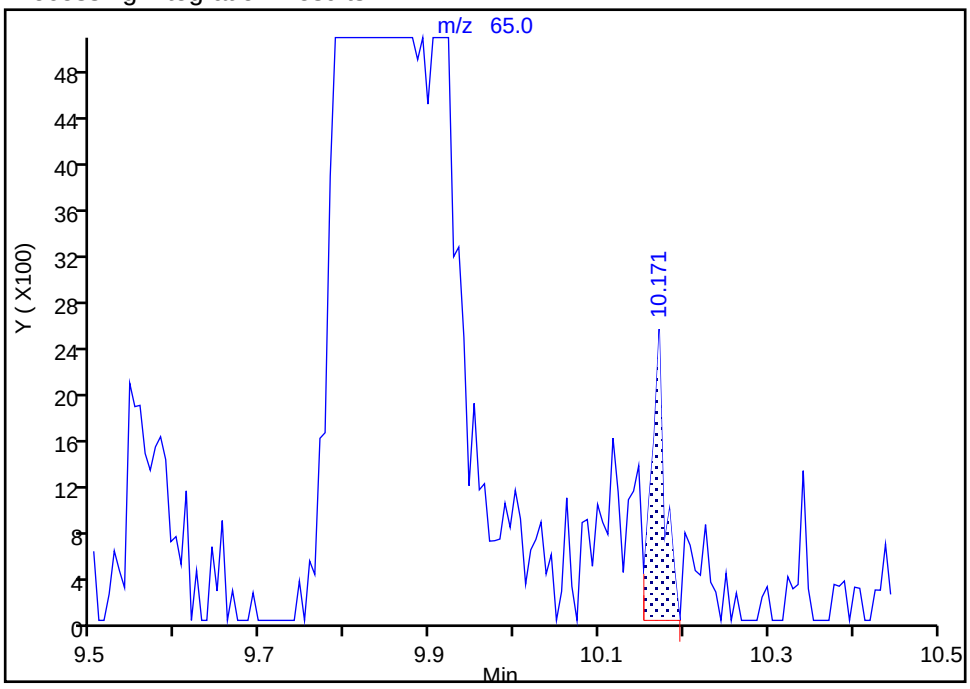
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

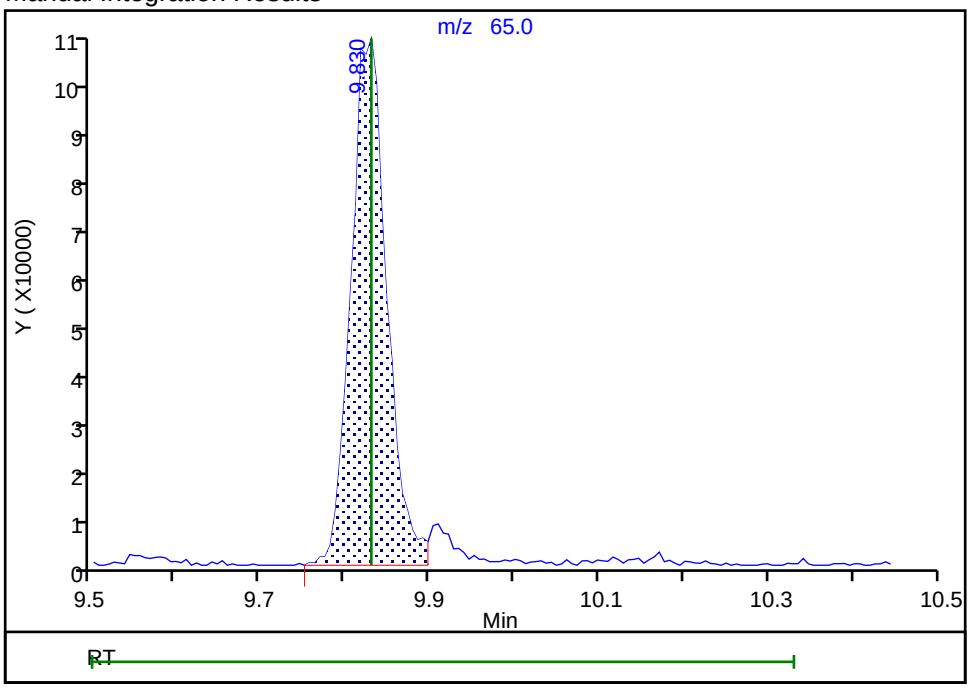
Processing Integration Results

RT: 10.17
Area: 2753
Amount: 0.437757
Amount Units: ng



Manual Integration Results

RT: 9.83
Area: 295958
Amount: 47.060564
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

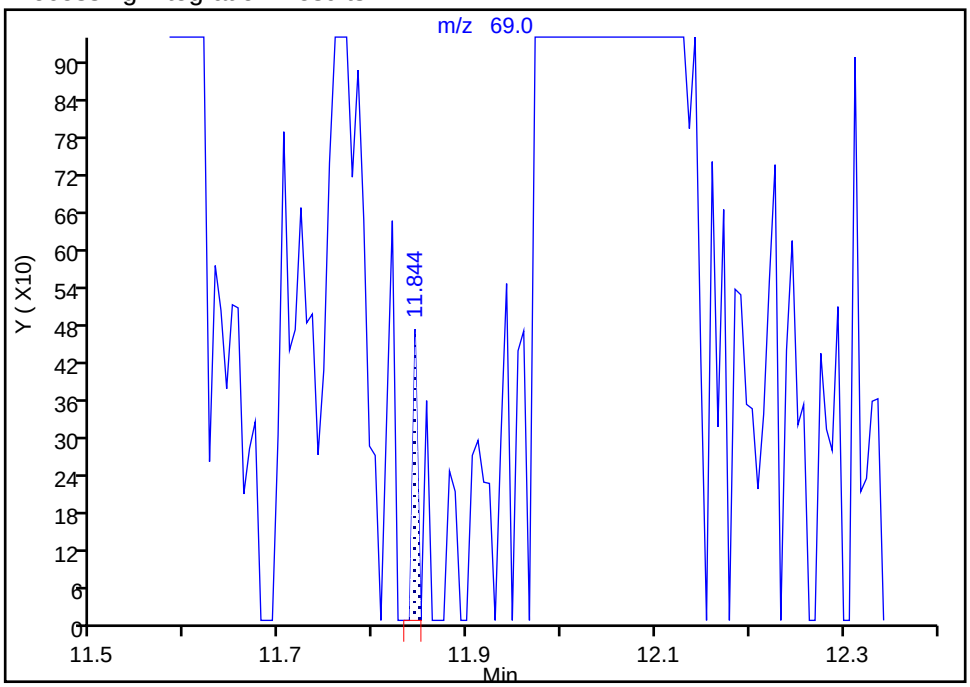
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

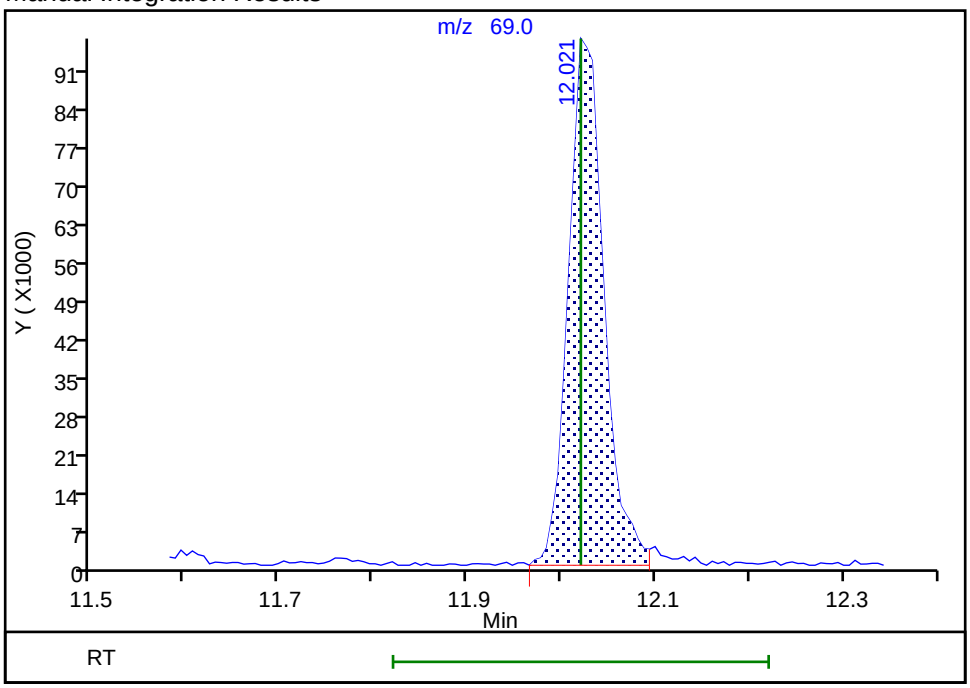
Processing Integration Results

RT: 11.84
Area: 171
Amount: 1.871950
Amount Units: ng



Manual Integration Results

RT: 12.02
Area: 253382
Amount: 59.295367
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

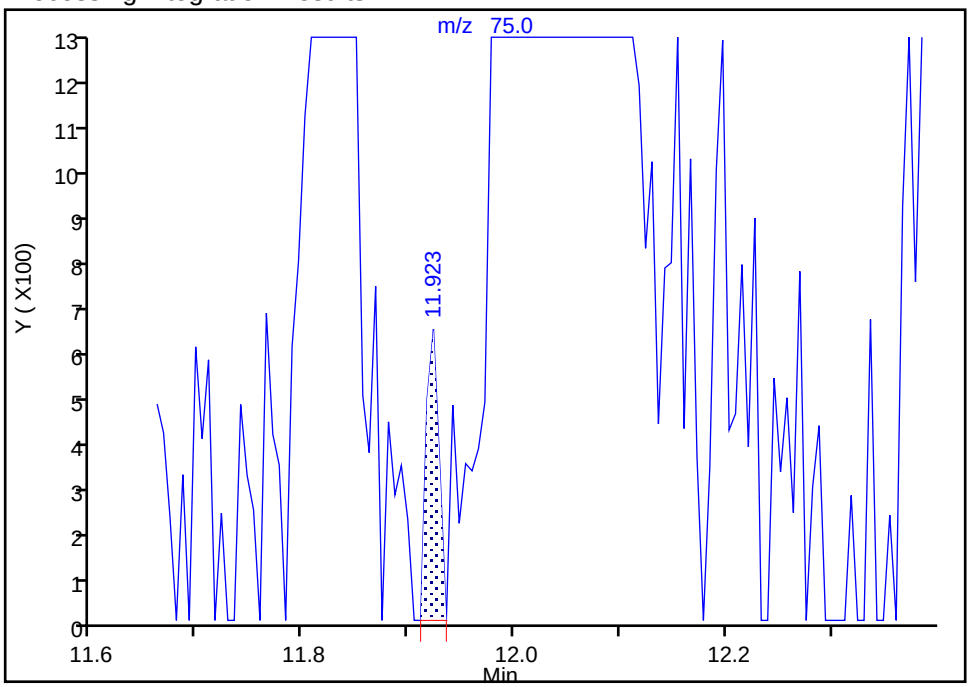
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

74 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

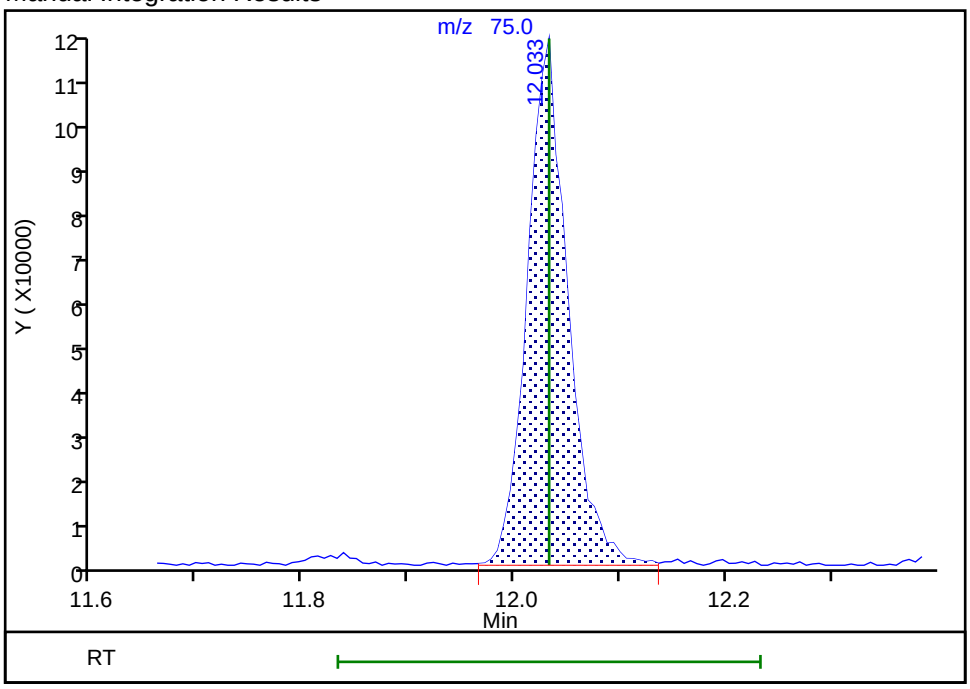
Processing Integration Results

RT: 11.92
Area: 504
Amount: 0.082815
Amount Units: ng



Manual Integration Results

RT: 12.03
Area: 298900
Amount: 49.113993
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

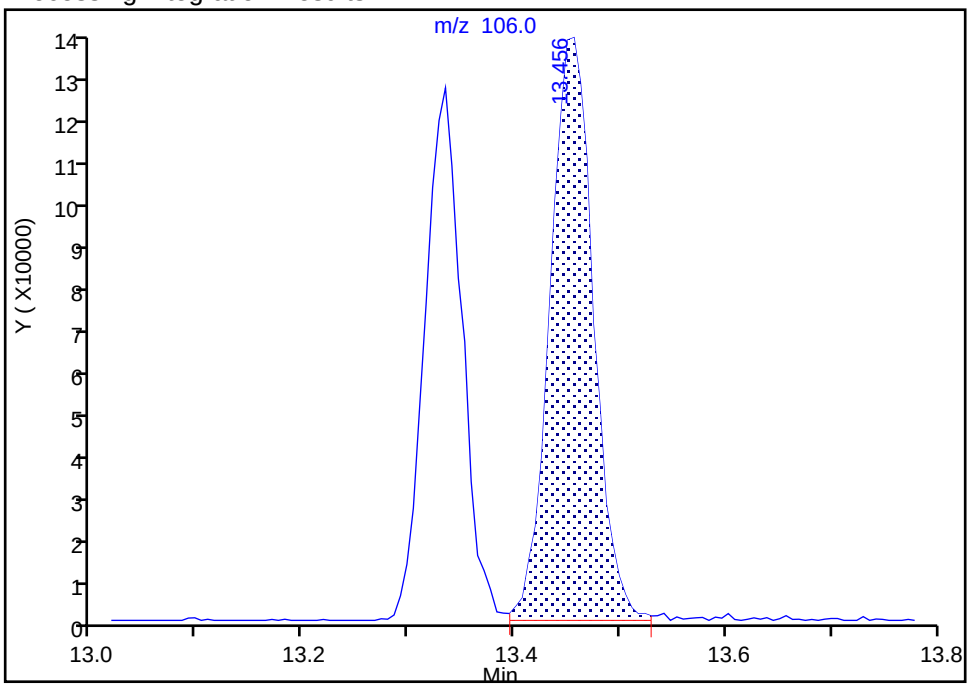
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

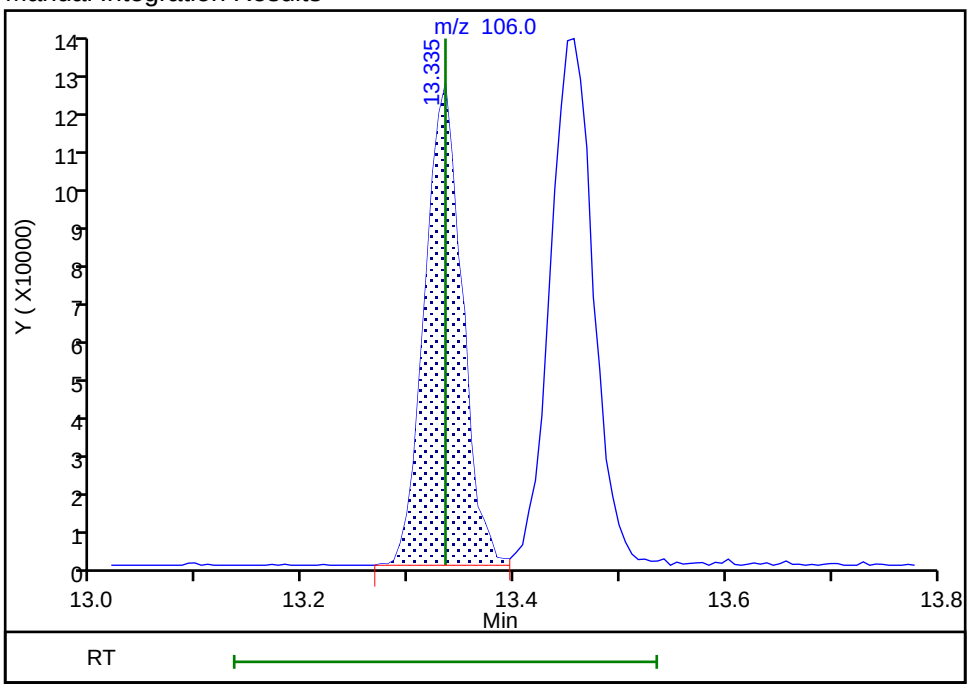
Processing Integration Results

RT: 13.46
Area: 374020
Amount: 49.362613
Amount Units: ng



Manual Integration Results

RT: 13.33
Area: 294769
Amount: 39.343197
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

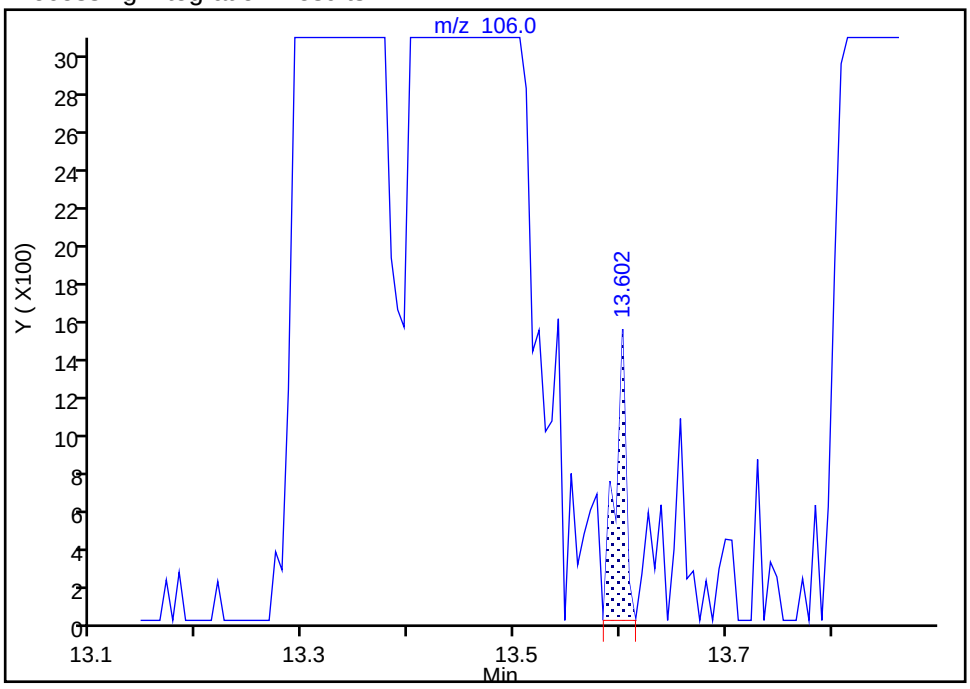
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

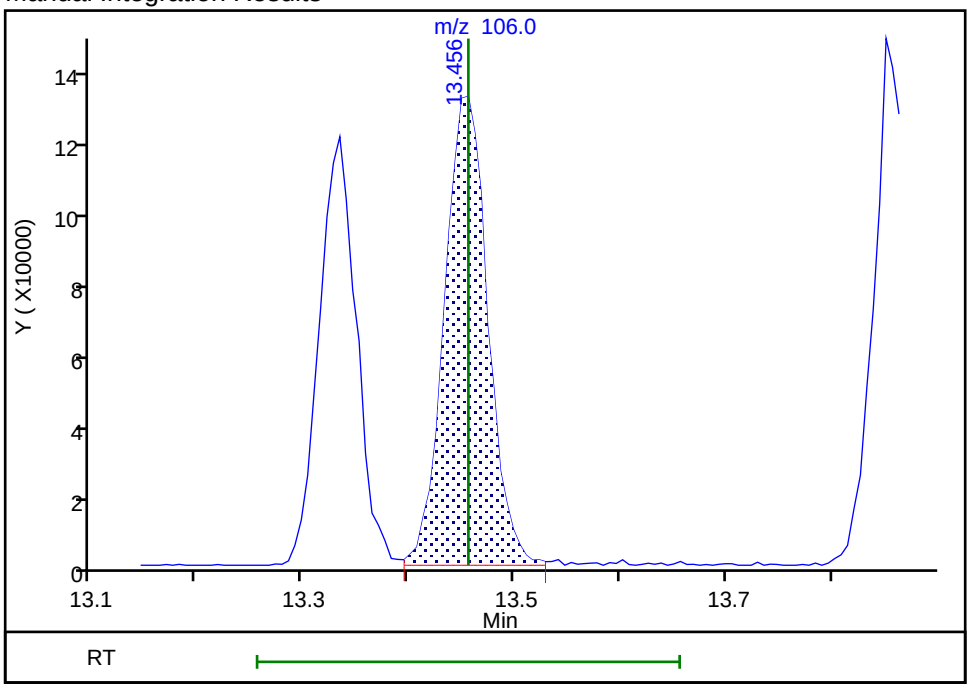
Processing Integration Results

RT: 13.60
Area: 1086
Amount: 3.010562
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 374020
Amount: 38.696895
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:55

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

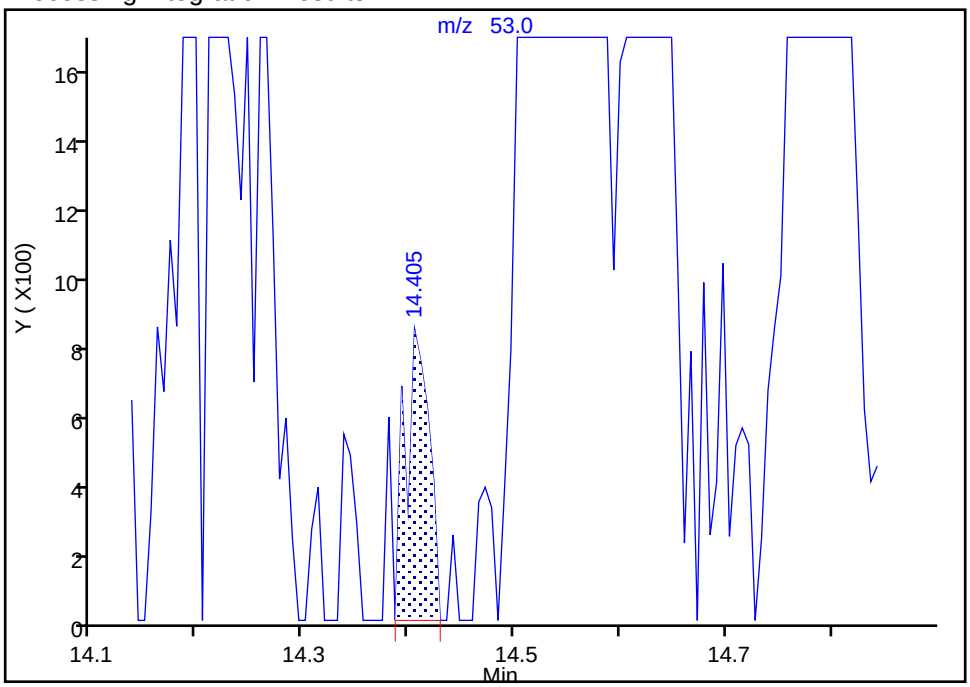
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

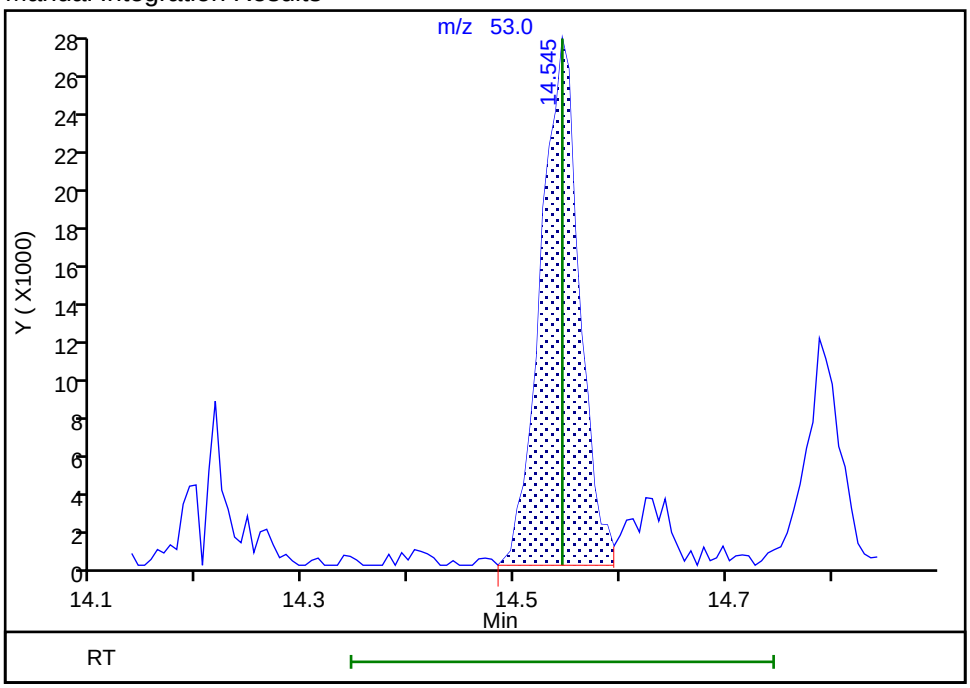
Processing Integration Results

RT: 14.41
Area: 1278
Amount: 2.448840
Amount Units: ng



Manual Integration Results

RT: 14.55
Area: 70955
Amount: 72.856575
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

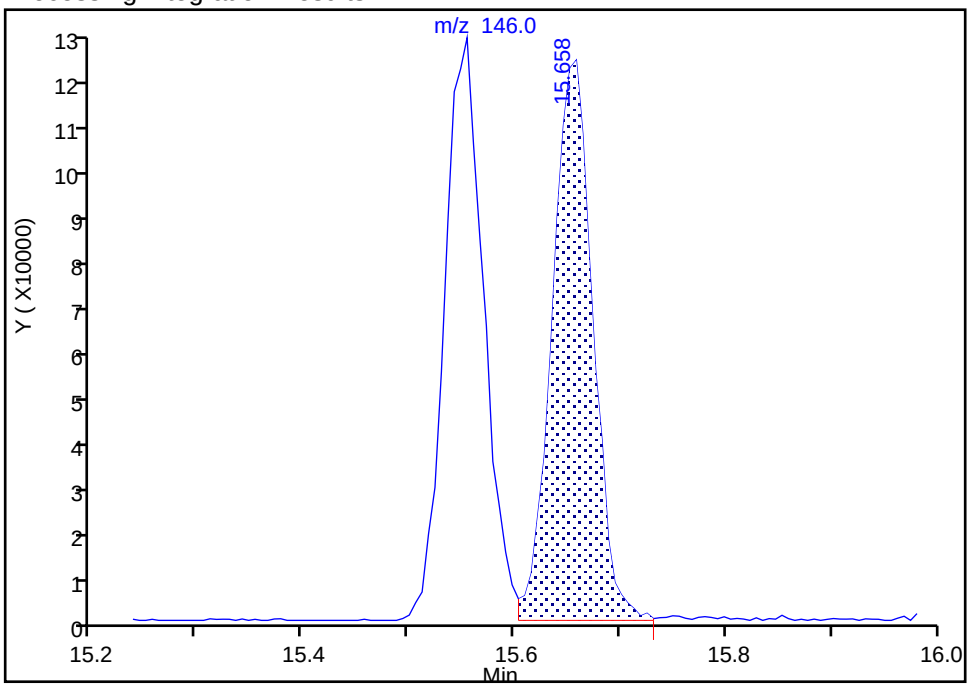
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

109 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

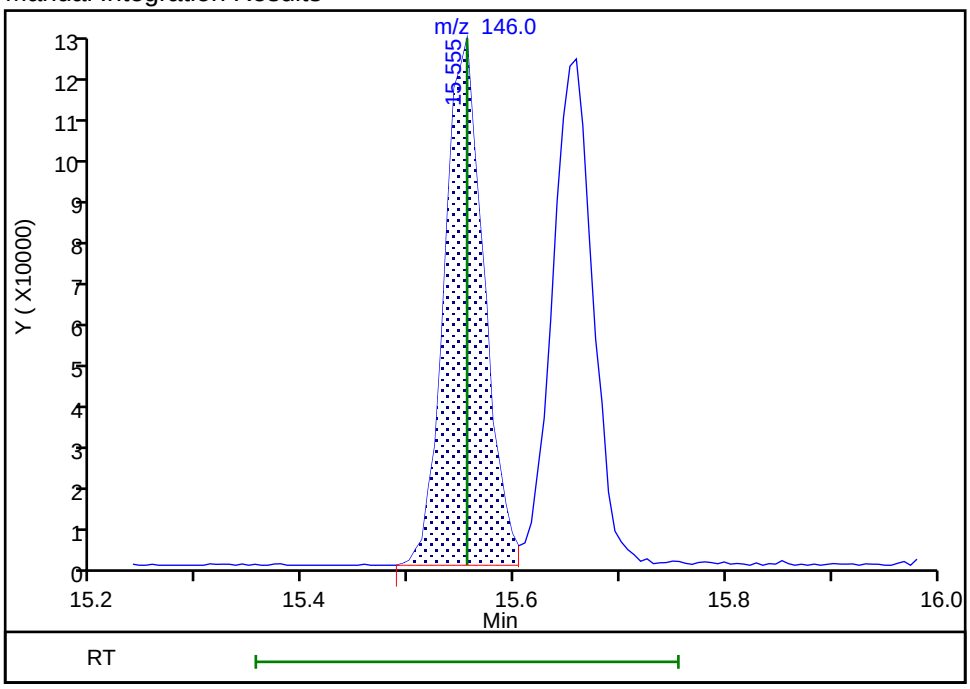
Processing Integration Results

RT: 15.66
Area: 326662
Amount: 43.511112
Amount Units: ng



Manual Integration Results

RT: 15.56
Area: 328343
Amount: 43.735020
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

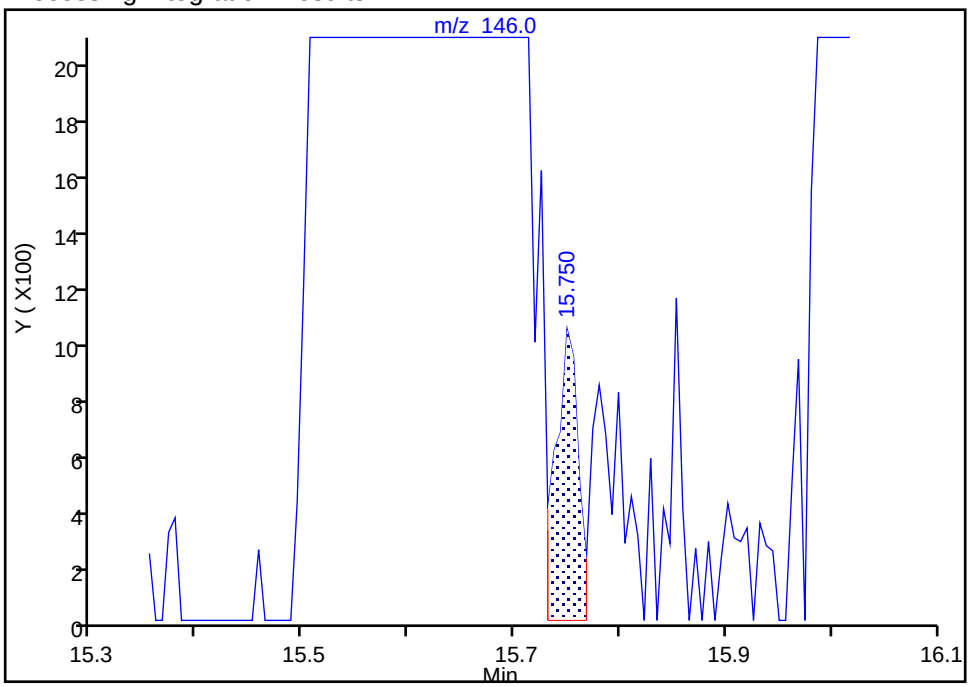
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

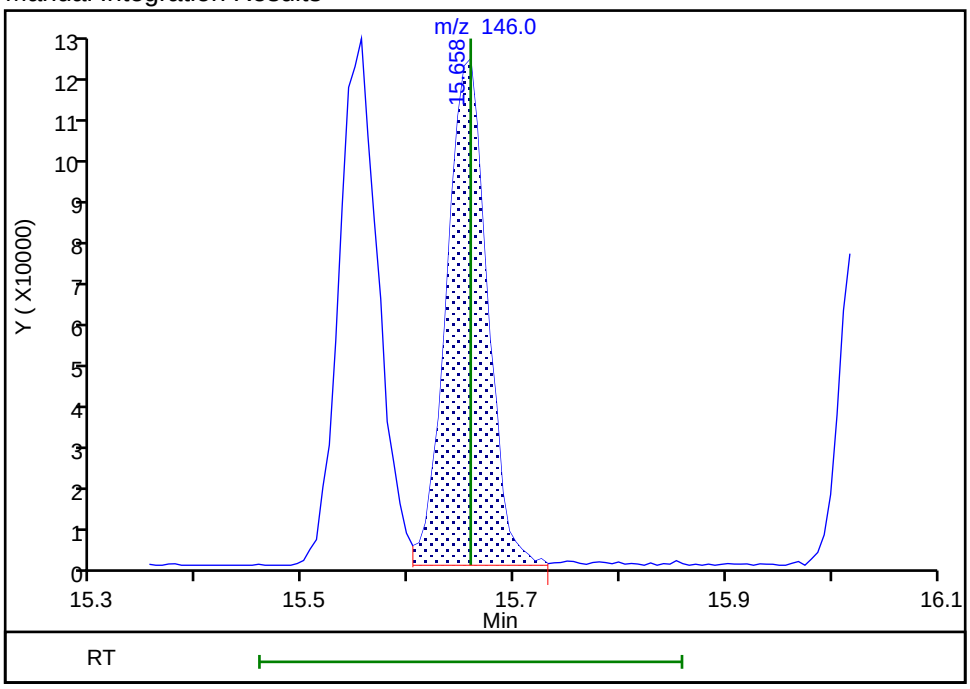
Processing Integration Results

RT: 15.75
Area: 1533
Amount: 0.201187
Amount Units: ng



Manual Integration Results

RT: 15.66
Area: 326662
Amount: 42.870346
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Nov-2021 09:24:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0039916-001				
Operator ID:	040712	Instrument ID:	CHHP5		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\MSVOA_LL_CHHP5.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	08-Nov-2021 08:59:50	Calib Date:	04-Nov-2021 14:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1606				
First Level Reviewer: tangj		Date:	08-Nov-2021 08:30:44		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	11.522	11.522	0.000	0	46785	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

VOABFB25_00142 Amount Added: 1.00 Units: uL

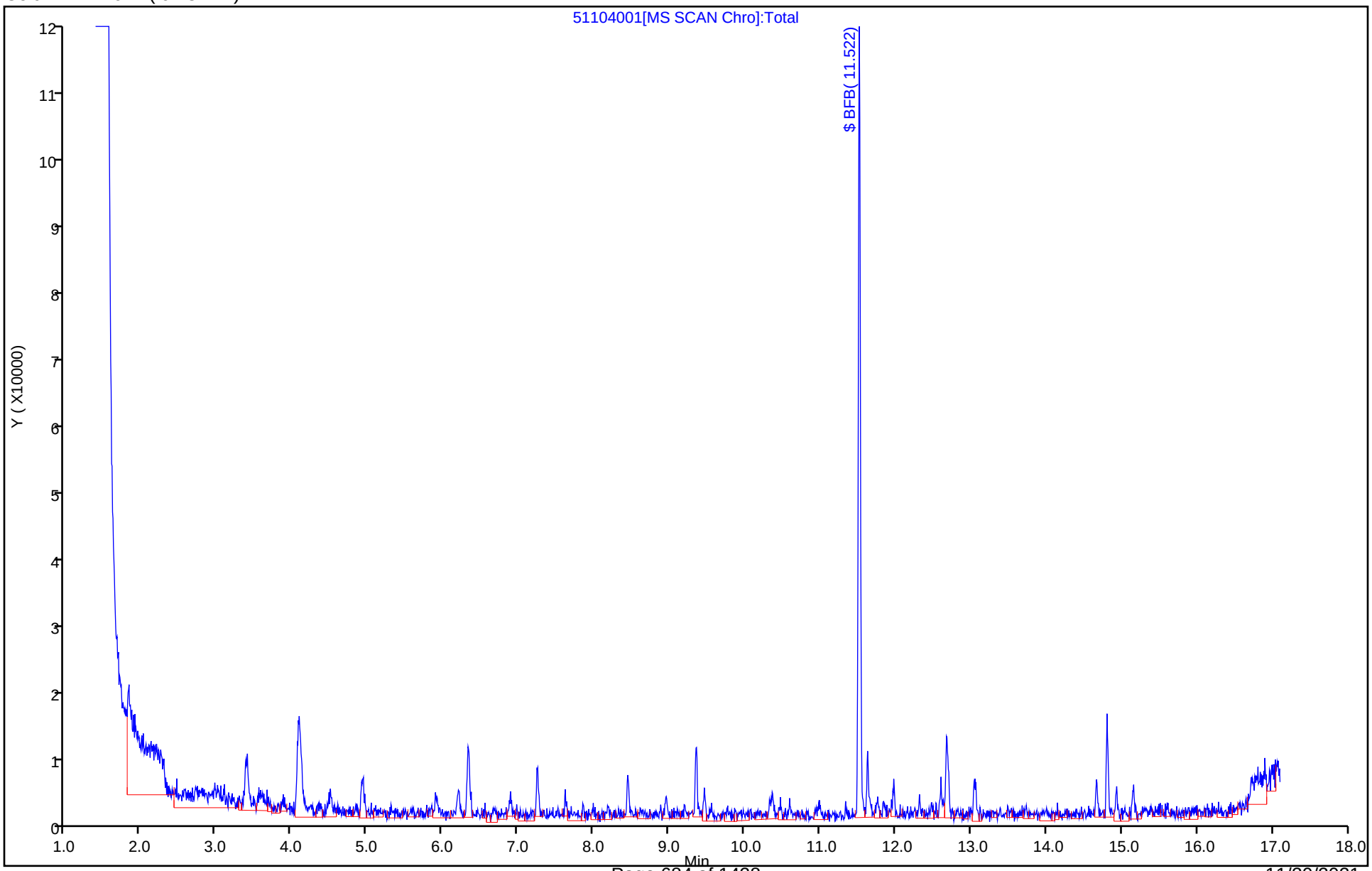
Report Date: 08-Nov-2021 08:59:51 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104001.D

Injection Date:	04-Nov-2021 09:24:30	Instrument ID:	CHHP5	Operator ID:	040712
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121002.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Nov-2021 10:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-002
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:49 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: deleoa Date: 22-Nov-2021 10:06:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	11.523	11.523	0.000	0	127128	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

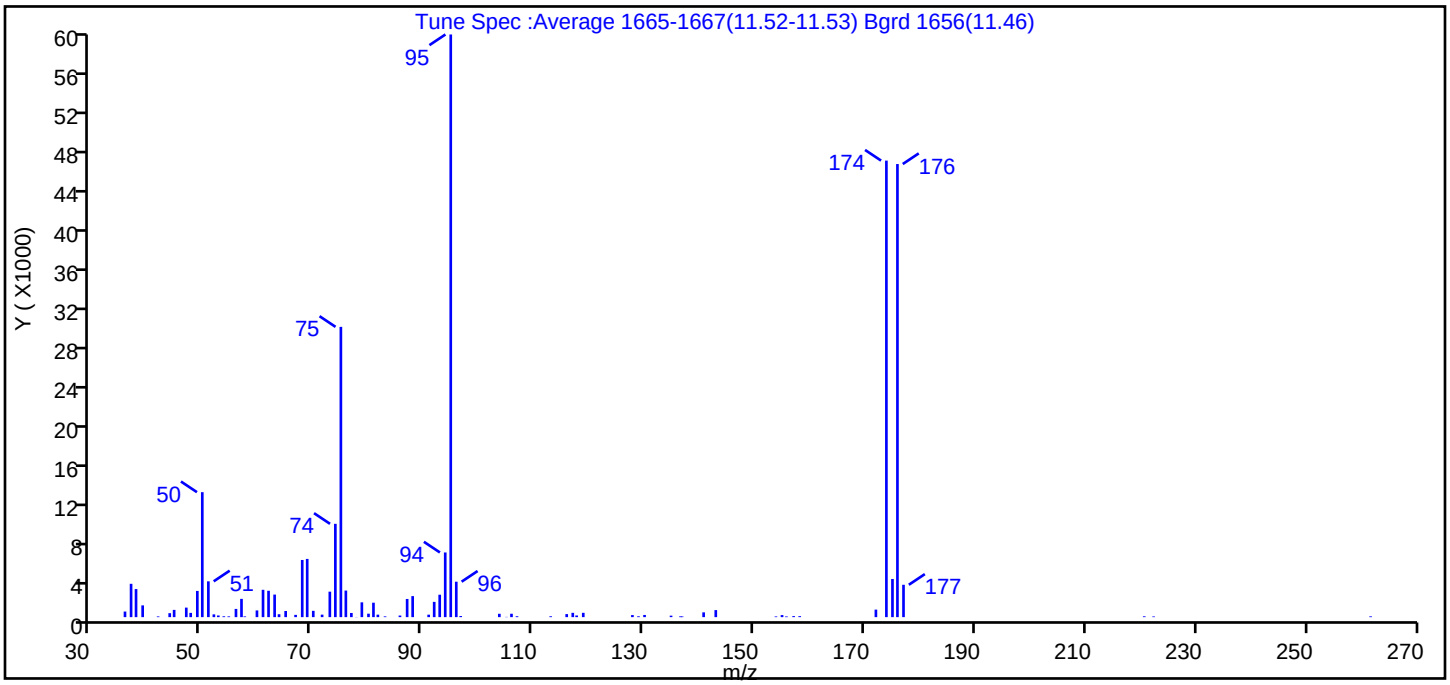
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121002.D
Injection Date: 21-Nov-2021 10:32:30 Instrument ID: CHHP5
Lims ID: BFB
Client ID:
Operator ID: 034635 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.4
75	30 to 60% of m/z 95	49.8
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.4
175	5 to 9% of m/z 174	6.5 (8.4)
176	Greater than 95% but less than 101% of m/z 174	77.8 (99.2)
177	5 to 9% of m/z 176	5.6 (7.1)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121002.D\MSVOA_LL_CHHP5.rslt\spectra
Injection Date: 21-Nov-2021 10:32:30
Spectrum: Tune Spec :Average 1665-1667(11.52-11.53) Bgrd 1656(11.46)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	574	62.00	2708	87.00	1866	135.00	153
37.00	3423	63.00	2318	88.00	2159	137.00	76
38.00	2883	64.00	299	91.00	253	137.00	69
39.00	1207	65.00	630	92.00	1568	141.00	491
42.00	74	67.00	234	93.00	2303	143.00	725
44.00	407	68.00	5871	94.00	6642	154.00	73
45.00	746	69.00	5979	95.00	59832	155.00	212
47.00	979	70.00	648	96.00	3640	156.00	71
48.00	437	72.00	256	97.00	113	157.00	105
49.00	2691	73.00	2616	104.00	345	158.00	100
50.00	12833	74.00	9582	105.00	26	172.00	773
51.00	3677	75.00	29808	106.00	350	174.00	46880
52.00	285	76.00	2730	107.00	90	175.00	3918
53.00	170	77.00	428	113.00	88	176.00	46528
54.00	87	78.00	16	116.00	313	177.00	3324
55.00	78	79.00	1521	117.00	443	221.00	84
56.00	844	80.00	355	118.00	171	222.00	70
57.00	1877	81.00	1483	119.00	444	262.00	80
58.00	74	82.00	255	128.00	212		
60.00	690	83.00	78	129.00	85		
61.00	2808	86.00	164	130.00	224		

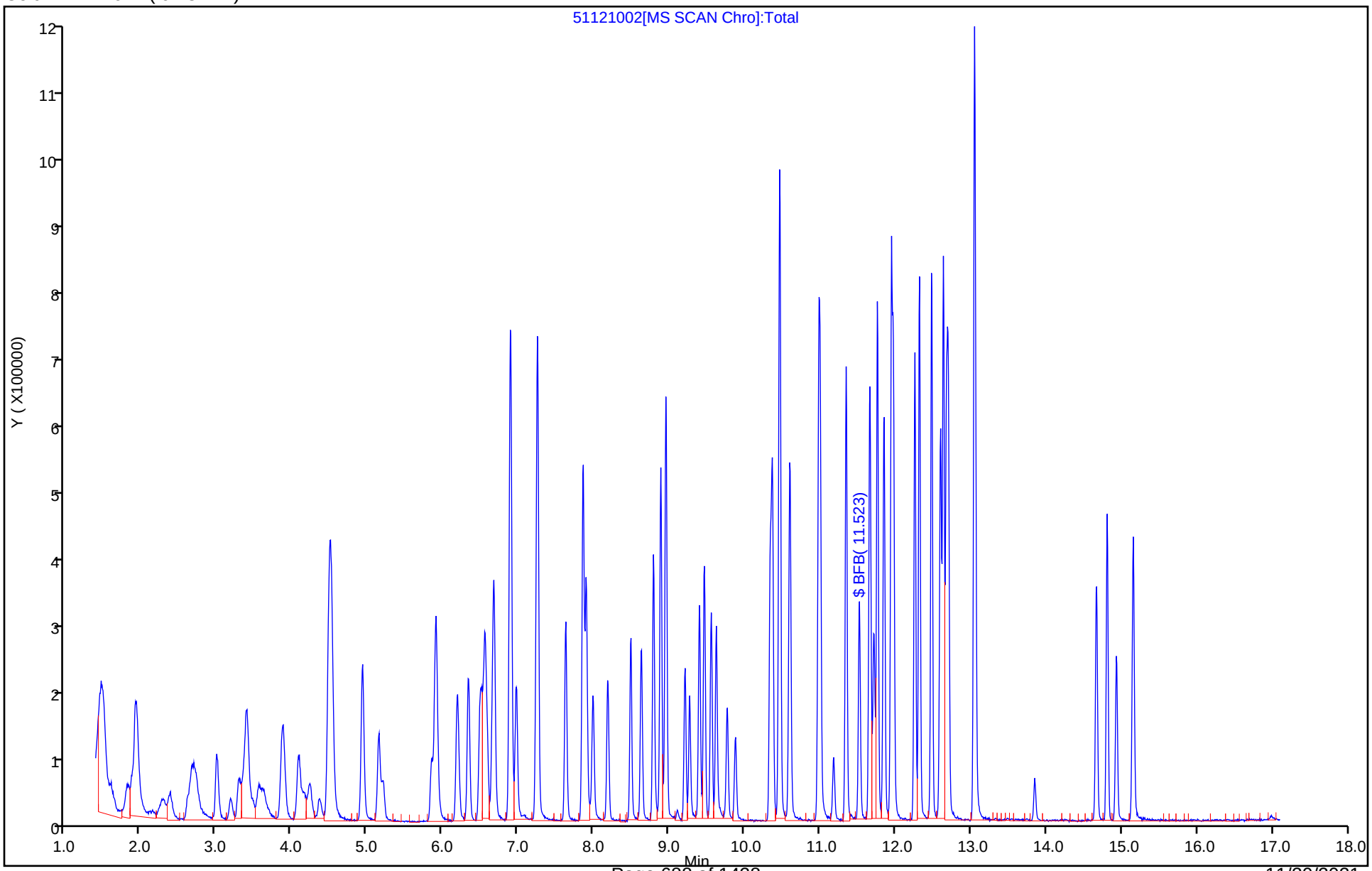
Report Date: 22-Nov-2021 11:09:50 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121002.D

Injection Date:	21-Nov-2021 10:32:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Nov-2020 08:58:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-001
Operator ID: 034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 09-Nov-2020 14:02:16 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: krisornc Date: 09-Nov-2020 14:02:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	10.808	10.808	0.000	0	347032	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

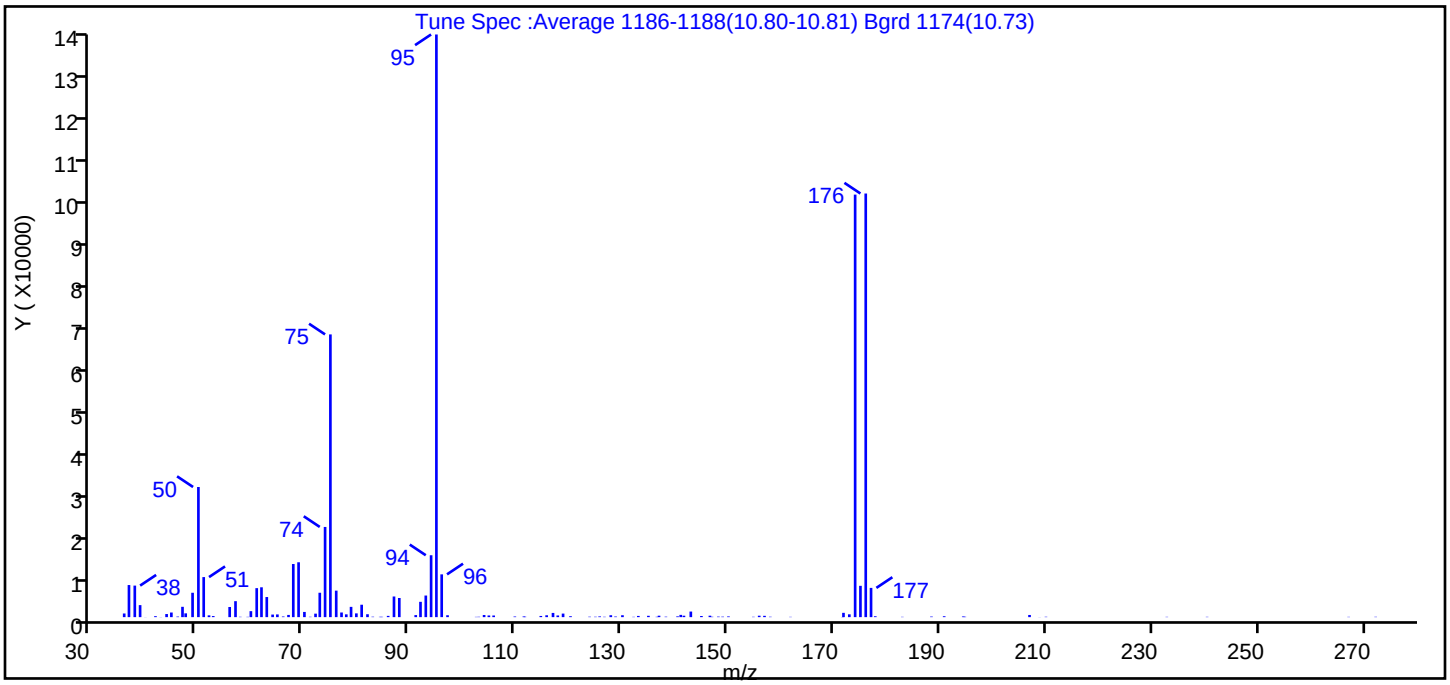
VOABFB25_00129 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Injection Date: 05-Nov-2020 08:58:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	72.5
175	5 to 9% of m/z 174	5.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	72.7 (100.3)
177	5 to 9% of m/z 176	5.0 (6.9)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D\MSVOA_LL_CHHP6.rslt\spectra.
Injection Date: 05-Nov-2020 08:58:30
Spectrum: Tune Spec :Average 1186-1188(10.80-10.81) Bgrd 1174(10.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	858	69.00	12866	105.00	391	147.00	89
37.00	7527	70.00	1221	106.00	384	148.00	125
38.00	7396	71.00	85	110.00	149	149.00	113
39.00	2819	72.00	818	112.00	154	150.00	166
40.00	21	73.00	5721	112.00	99	155.00	82
42.00	227	74.00	21152	115.00	279	156.00	337
43.00	26	75.00	66304	116.00	438	157.00	309
44.00	728	76.00	6216	117.00	988	158.00	94
45.00	1085	77.00	1090	118.00	393	162.00	69
46.00	135	78.00	658	119.00	835	172.00	37
47.00	2422	79.00	2409	120.00	214	172.00	1011
48.00	891	80.00	884	124.00	105	173.00	661
49.00	5718	81.00	2912	125.00	94	174.00	99088
50.00	30520	82.00	681	126.00	172	175.00	7343
51.00	9394	83.00	104	127.00	86	176.00	99344
52.00	419	84.00	79	128.00	449	177.00	6861
53.00	252	85.00	77	129.00	143	178.00	207
56.00	2380	86.00	298	130.00	448	183.00	73
57.00	3745	87.00	4843	132.00	73	188.00	135
58.00	82	88.00	4489	133.00	288	191.00	207
59.00	70	91.00	480	135.00	318	194.00	156
60.00	1404	92.00	3592	137.00	82	195.00	92
61.00	6801	93.00	5066	137.00	338	207.00	510
62.00	7000	94.00	14516	138.00	110	209.00	21
63.00	4716	95.00	136640	140.00	178	210.00	91
64.00	607	96.00	10034	141.00	531	233.00	72
65.00	638	97.00	445	142.00	337	240.00	76
66.00	149	102.00	68	143.00	1310	267.00	67
67.00	520	103.00	87	145.00	265	272.00	83
68.00	12458	104.00	500	147.00	337		

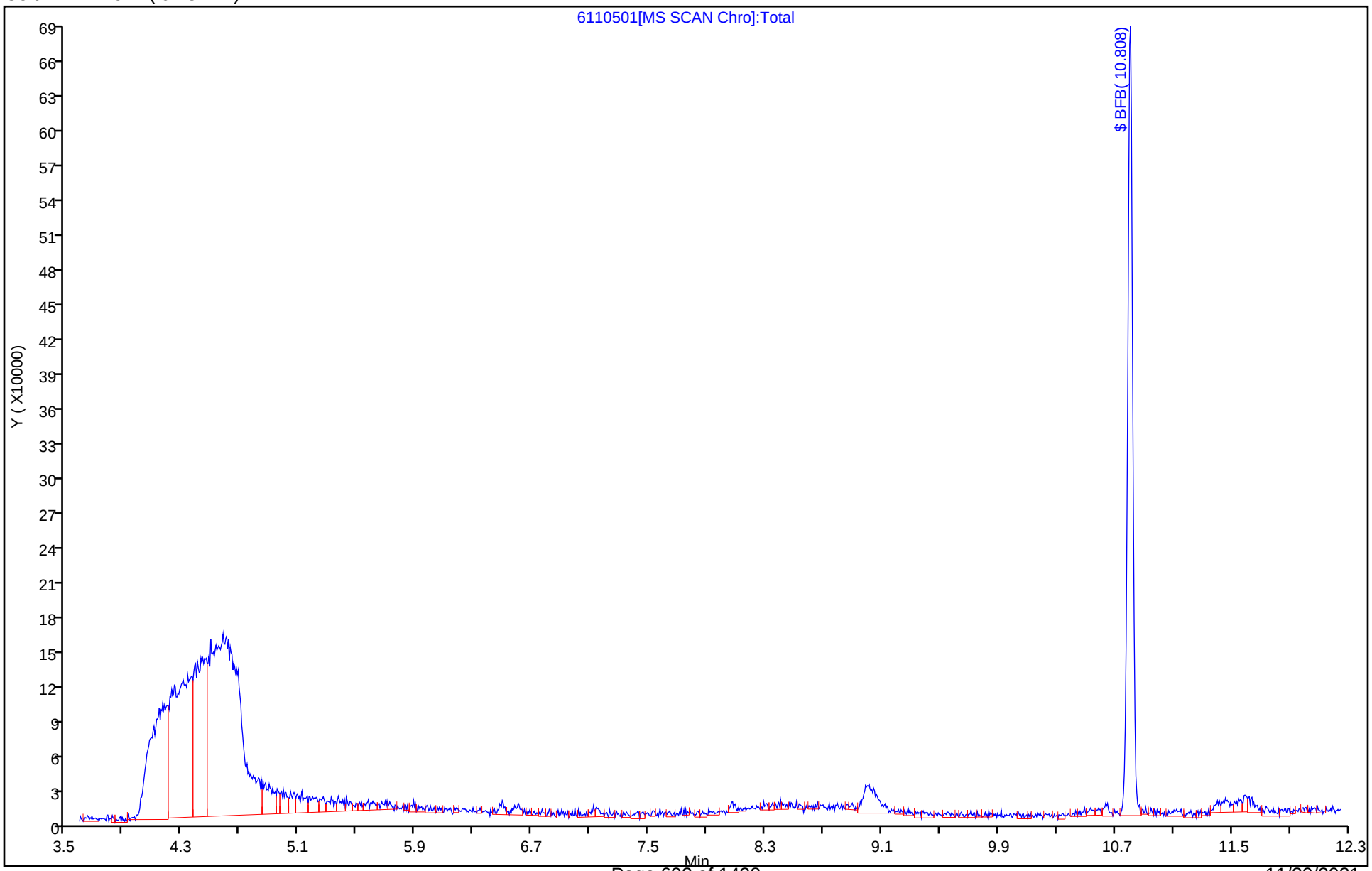
Report Date: 09-Nov-2020 14:02:16 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D

Injection Date:	05-Nov-2020 08:58:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Nov-2020 08:58:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0034463-001				
Operator ID:	034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624 ICAL				
Last Update:	09-Nov-2020 14:02:16	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				
First Level Reviewer: krisornc		Date:	09-Nov-2020 14:02:16		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	10.808	10.808	0.000	0	347032	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

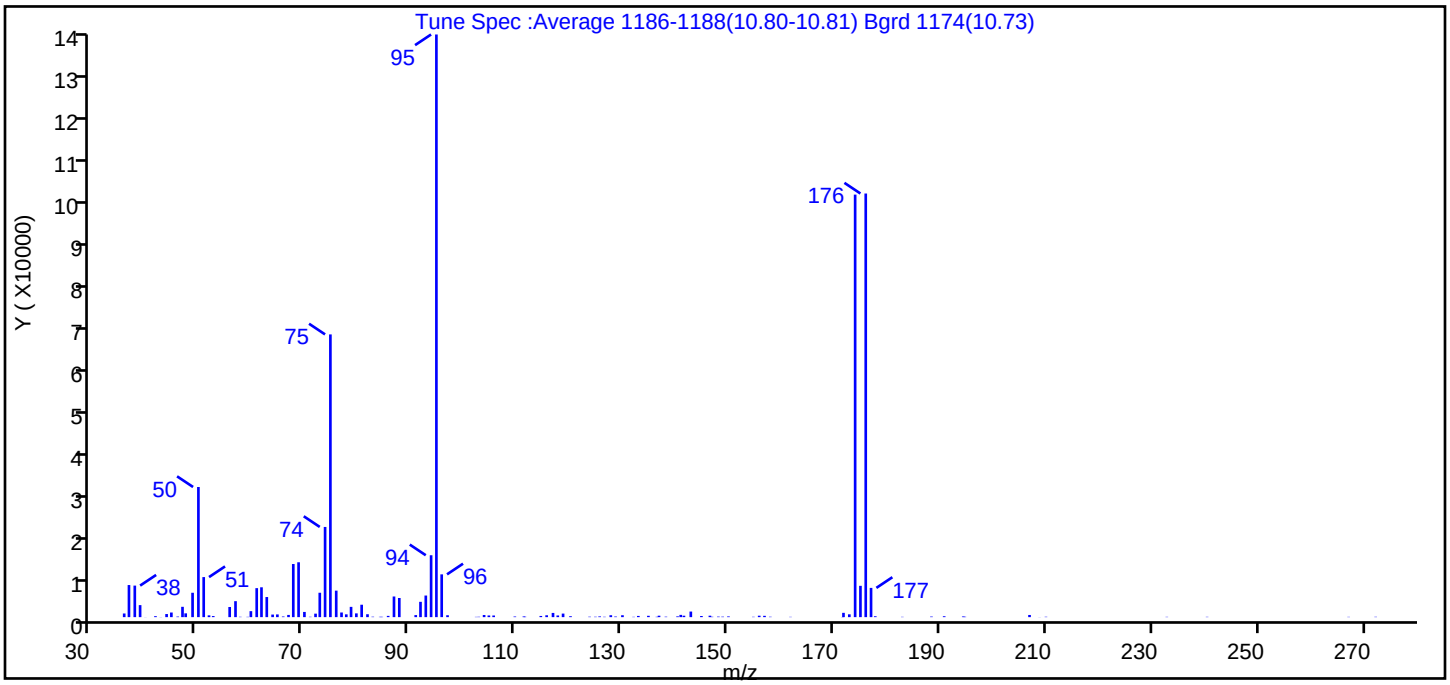
VOABFB25_00129 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Injection Date: 05-Nov-2020 08:58:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	72.5
175	5 to 9% of m/z 174	5.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	72.7 (100.3)
177	5 to 9% of m/z 176	5.0 (6.9)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D\MSVOA_LL_CHHP6.rslt\spectra.
Injection Date: 05-Nov-2020 08:58:30
Spectrum: Tune Spec :Average 1186-1188(10.80-10.81) Bgrd 1174(10.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	858	69.00	12866	105.00	391	147.00	89
37.00	7527	70.00	1221	106.00	384	148.00	125
38.00	7396	71.00	85	110.00	149	149.00	113
39.00	2819	72.00	818	112.00	154	150.00	166
40.00	21	73.00	5721	112.00	99	155.00	82
42.00	227	74.00	21152	115.00	279	156.00	337
43.00	26	75.00	66304	116.00	438	157.00	309
44.00	728	76.00	6216	117.00	988	158.00	94
45.00	1085	77.00	1090	118.00	393	162.00	69
46.00	135	78.00	658	119.00	835	172.00	37
47.00	2422	79.00	2409	120.00	214	172.00	1011
48.00	891	80.00	884	124.00	105	173.00	661
49.00	5718	81.00	2912	125.00	94	174.00	99088
50.00	30520	82.00	681	126.00	172	175.00	7343
51.00	9394	83.00	104	127.00	86	176.00	99344
52.00	419	84.00	79	128.00	449	177.00	6861
53.00	252	85.00	77	129.00	143	178.00	207
56.00	2380	86.00	298	130.00	448	183.00	73
57.00	3745	87.00	4843	132.00	73	188.00	135
58.00	82	88.00	4489	133.00	288	191.00	207
59.00	70	91.00	480	135.00	318	194.00	156
60.00	1404	92.00	3592	137.00	82	195.00	92
61.00	6801	93.00	5066	137.00	338	207.00	510
62.00	7000	94.00	14516	138.00	110	209.00	21
63.00	4716	95.00	136640	140.00	178	210.00	91
64.00	607	96.00	10034	141.00	531	233.00	72
65.00	638	97.00	445	142.00	337	240.00	76
66.00	149	102.00	68	143.00	1310	267.00	67
67.00	520	103.00	87	145.00	265	272.00	83
68.00	12458	104.00	500	147.00	337		

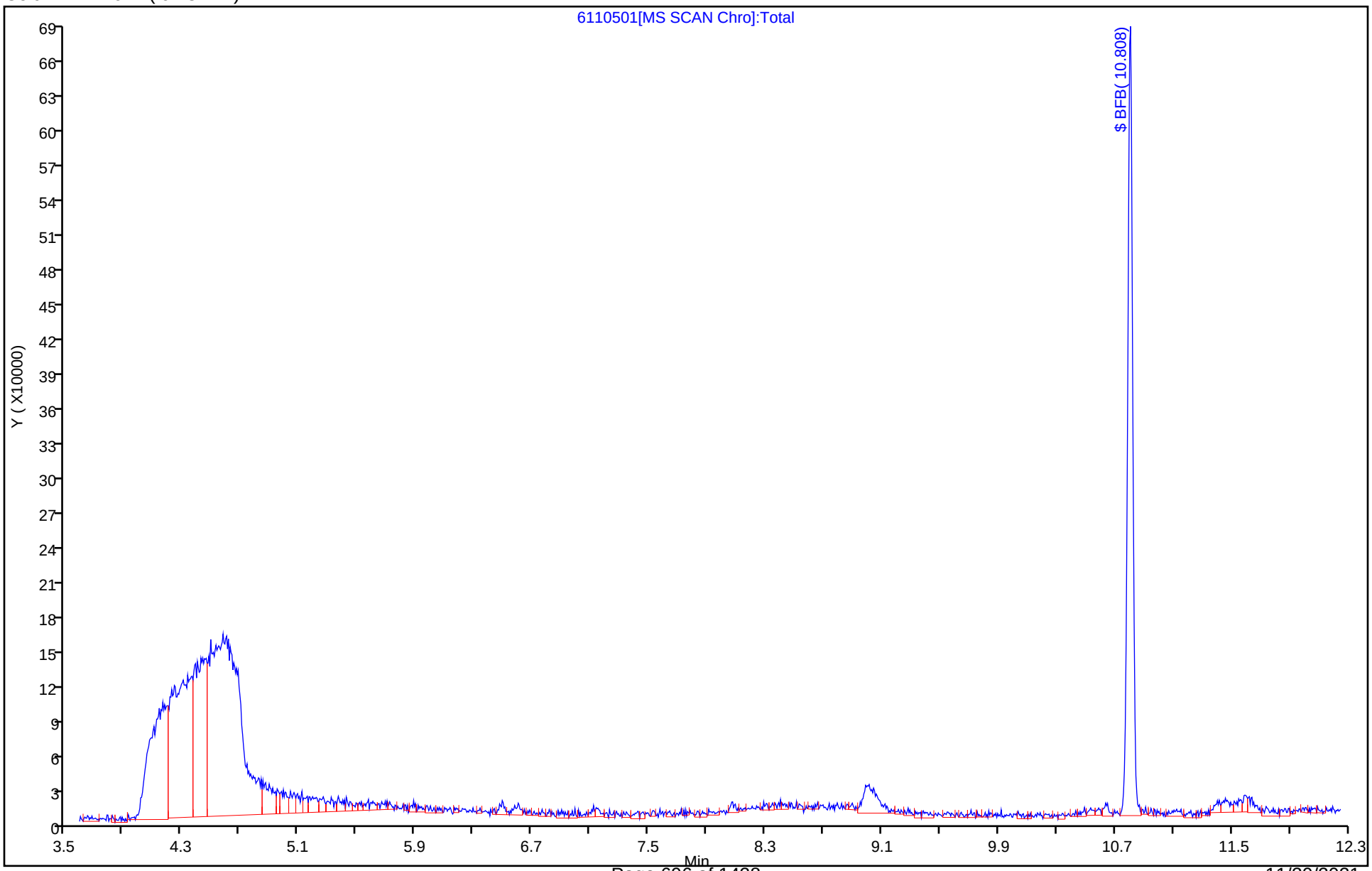
Report Date: 09-Nov-2020 14:02:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D

Injection Date:	05-Nov-2020 08:58:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Nov-2021 12:27:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0040242-001				
Operator ID:	0034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	27-Nov-2021 15:49:03	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1637				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	14.419	14.419	0.000	0	311268	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

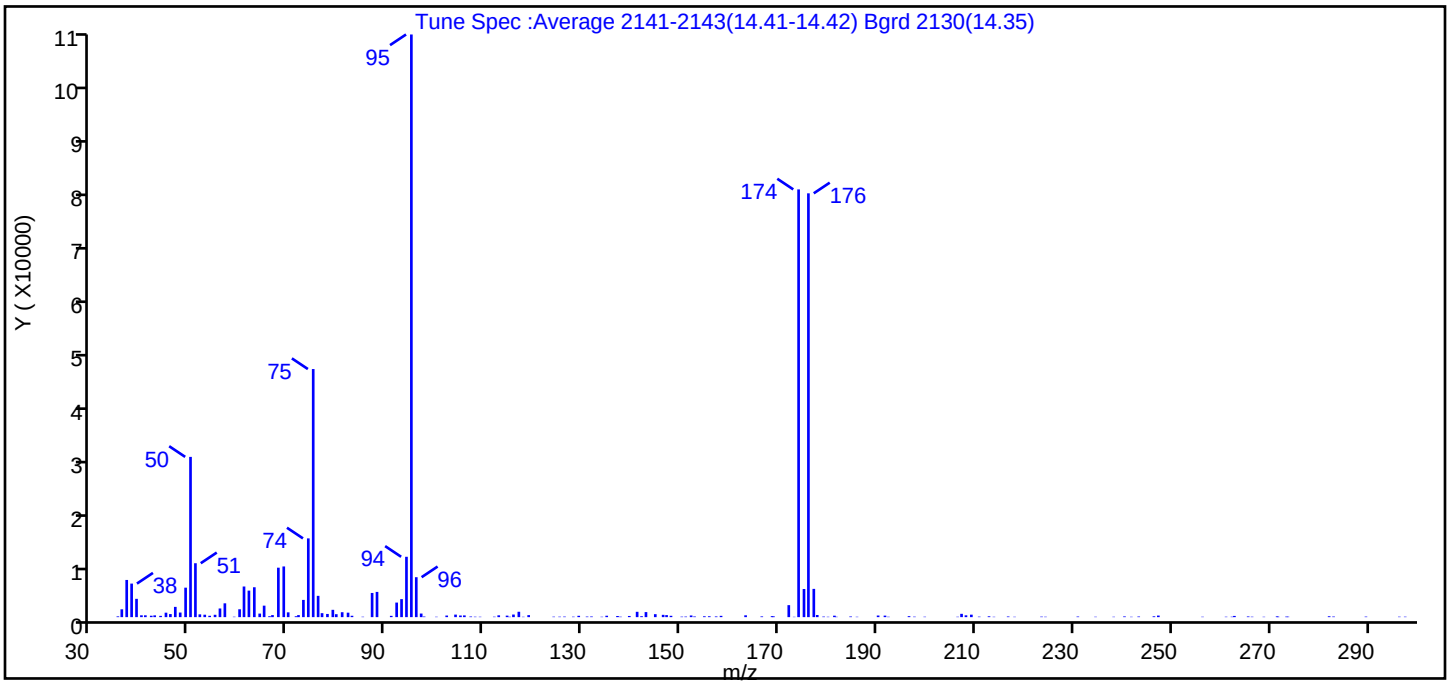
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D
Injection Date: 26-Nov-2021 12:27:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 0034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.5
75	30 to 60% of m/z 95	42.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.1 (0.1)
174	50 to 120% of m/z 95	73.4
175	5 to 9% of m/z 174	4.8 (6.6)
176	Greater than 95% but less than 101% of m/z 174	72.7 (99.1)
177	5 to 9% of m/z 176	4.9 (6.7)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 26-Nov-2021 12:27:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	138	76.00	3868	131.00	105	192.00	276
36.00	1424	77.00	723	132.00	118	192.00	72
37.00	6754	78.00	580	134.00	72	196.00	177
38.00	6094	79.00	1329	135.00	255	198.00	88
39.00	3324	80.00	536	137.00	207	200.00	76
40.00	333	81.00	894	138.00	81	206.00	72
41.00	334	82.00	811	140.00	213	207.00	602
42.00	258	83.00	251	141.00	969	208.00	333
43.00	324	85.00	74	142.00	171	209.00	451
44.00	233	87.00	4391	143.00	919	211.00	89
45.00	809	88.00	4582	145.00	540	213.00	152
46.00	558	91.00	236	146.00	419	214.00	67
47.00	1864	92.00	2645	147.00	369	217.00	119
48.00	836	93.00	3271	148.00	244	218.00	67
49.00	5353	94.00	10962	150.00	89	224.00	92
50.00	29104	95.00	105816	151.00	102	224.00	74
51.00	9791	96.00	7254	152.00	304	231.00	110
52.00	506	97.00	654	153.00	118	234.00	72
53.00	440	98.00	108	155.00	156	238.00	71
54.00	248	100.00	71	156.00	161	240.00	131
55.00	429	102.00	290	157.00	128	242.00	68
56.00	1574	104.00	460	158.00	237	243.00	113
57.00	2510	105.00	296	163.00	333	246.00	152
59.00	75	106.00	317	166.00	132	247.00	288
60.00	1431	107.00	117	169.00	180	256.00	73
61.00	5565	108.00	80	169.00	128	261.00	77
62.00	4817	109.00	72	172.00	2178	262.00	80
63.00	5429	112.00	82	173.00	62	263.00	221
64.00	645	113.00	331	174.00	77680	266.00	125
65.00	2087	115.00	274	175.00	5111	266.00	79
66.00	164	115.00	68	176.00	76968	269.00	68
67.00	372	116.00	473	177.00	5133	272.00	139
68.00	8981	117.00	978	178.00	393	272.00	70

Report Date: 27-Nov-2021 15:49:04 Chrom Revision: 2.3 15-Nov-2021 20:34:30
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 26-Nov-2021 12:27:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	9206	118.00	67	179.00	102	273.00	92
70.00	870	119.00	365	180.00	70	274.00	85
72.00	164	124.00	86	181.00	266	282.00	159
72.00	371	125.00	86	182.00	68	283.00	109
73.00	3132	126.00	100	185.00	120	290.00	99
74.00	14303	128.00	84	186.00	68	296.00	84
75.00	45056	129.00	246	190.00	295	298.00	83

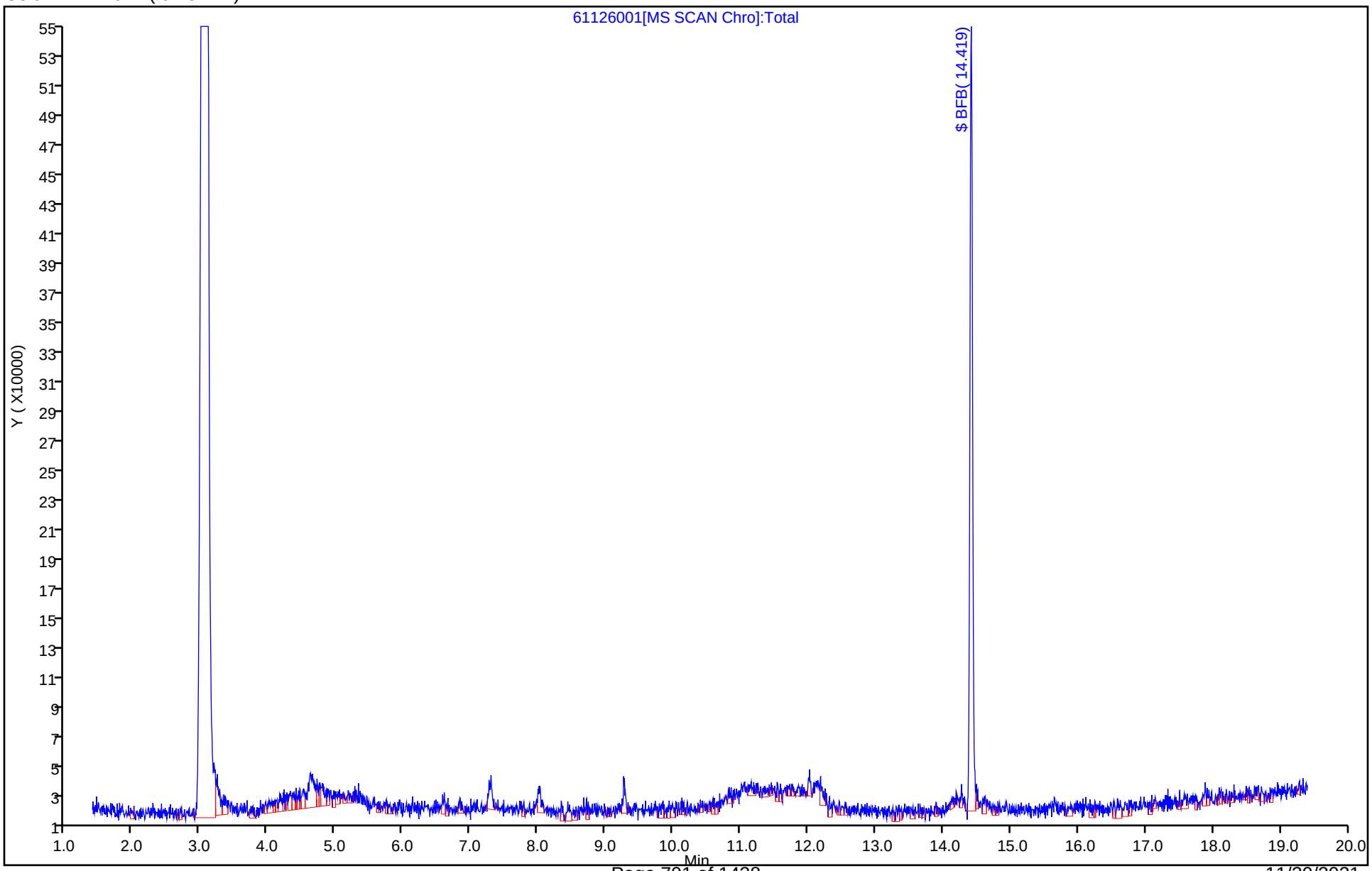
Report Date: 27-Nov-2021 15:49:04 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D

Injection Date:	26-Nov-2021 12:27:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-379675/9

Matrix: Water Lab File ID: 51121009.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 13:30

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		28-163
460-00-4	4-Bromofluorobenzene (Surr)	89		41-122
2037-26-5	Toluene-d8 (Surr)	111		53-125
1868-53-7	Dibromofluoromethane (Surr)	121		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121009.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 21-Nov-2021 13:30:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-009
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:51 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 21-Nov-2021 12:55:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.235	4.243	-0.008	0	100880	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.246	7.242	0.004	0	323666	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.342	10.344	-0.002	0	74061	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.685	12.681	0.003	0	105467	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.516	6.524	-0.008	0	96432	50.0	60.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.887	6.889	-0.002	0	123520	50.0	57.0	
$ 7 Toluene-d8 (Surr)	98	8.894	8.891	0.003	0	309888	50.0	55.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.523	11.519	0.004	0	93960	50.0	44.4	
11 Dichlorodifluoromethane	85		1.603					ND	
12 Chloromethane	50		1.815					ND	
13 Vinyl chloride	62		1.919					ND	
14 Butadiene	39		1.931					ND	
15 Bromomethane	94		2.284					ND	
16 Chloroethane	64		2.387					ND	
17 Dichlorofluoromethane	67		2.673					ND	
18 Trichlorofluoromethane	101		2.698					ND	
19 Ethanol	45		2.903					ND	
20 Ethyl ether	59		3.008					ND	
21 Acrolein	56		3.184					ND	
22 1,1-Dichloroethene	96		3.300					ND	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.403					ND	
24 Acetone	43		3.403					ND	
25 Iodomethane	142		3.561					ND	
26 Carbon disulfide	76		3.634					ND	
27 Isopropyl alcohol	45		3.675					ND	
29 Acetonitrile	41		3.791					ND	
28 3-Chloro-1-propene	76		3.866					ND	
30 Methyl acetate	43		3.896					ND	
31 Methylene Chloride	84		4.091					ND	U
32 2-Methyl-2-propanol	59		4.371					ND	
33 Acrylonitrile	53		4.492					ND	
34 trans-1,2-Dichloroethene	96		4.510					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
35 Methyl tert-butyl ether	73		4.529					ND	
36 Hexane	57		4.936					ND	U
37 1,1-Dichloroethane	63		5.155					ND	
38 Vinyl acetate	43		5.210					ND	
39 2-Chloro-1,3-butadiene	53		5.317					ND	
41 Isopropyl ether	45		5.323					ND	
42 Tert-butyl ethyl ether	59		5.791					ND	
48 Ethyl acetate	43		5.804					ND	U
47 Propionitrile	54		5.865					ND	
44 2,2-Dichloropropane	97		5.904					ND	
45 cis-1,2-Dichloroethene	96		5.910					ND	
46 2-Butanone (MEK)	43		5.928					ND	
49 Chlorobromomethane	128		6.189					ND	
51 Tetrahydrofuran	42		6.208					ND	
50 Methacrylonitrile	41		6.242					ND	
52 Chloroform	83		6.335					ND	U
53 1,1,1-Trichloroethane	97		6.488					ND	
54 Cyclohexane	56		6.561					ND	
56 Carbon tetrachloride	117		6.664					ND	
55 1,1-Dichloropropene	75		6.682					ND	
58 Benzene	78		6.895					ND	
57 Isobutyl alcohol	41		6.907					ND	
59 1,2-Dichloroethane	62		6.974					ND	
61 Tert-amyl methyl ether	73		7.246					ND	U
151 Isooctane	57		7.246					ND	
62 n-Heptane	43		7.260					ND	
64 Trichloroethene	130		7.631					ND	
63 n-Butanol	56		7.666					ND	
69 Methyl methacrylate	69		7.855					ND	
66 Methylcyclohexane	83		7.862					ND	
65 Ethyl acrylate	55		7.879					ND	
67 1,2-Dichloropropane	63		7.905					ND	
68 Dibromomethane	93		7.990					ND	
70 1,4-Dioxane	88		7.996					ND	
71 Dichlorobromomethane	83		8.185					ND	U
73 2-Chloroethyl vinyl ether	63		8.495					ND	
74 cis-1,3-Dichloropropene	75		8.635					ND	
75 4-Methyl-2-pentanone (MIBK)	43		8.793					ND	U
76 Toluene	91		8.957					ND	
77 trans-1,3-Dichloropropene	75		9.213					ND	
78 Ethyl methacrylate	69		9.274					ND	
79 1,1,2-Trichloroethane	97		9.402					ND	
80 Tetrachloroethene	164		9.468					ND	
81 1,3-Dichloropropane	76		9.560					ND	
82 2-Hexanone	43		9.627					ND	
83 n-Butyl acetate	43		9.740					ND	
84 Chlorodibromomethane	129		9.773					ND	
85 Ethylene Dibromide	107		9.876					ND	
87 Chlorobenzene	112		10.369					ND	
86 3-Chlorobenzotrifluoride	180		10.445					ND	
89 1,1,1,2-Tetrachloroethane	131		10.466					ND	
90 Ethylbenzene	106		10.472					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
91 m-Xylene & p-Xylene	106		10.600					ND	
88 4-Chlorobenzotrifluoride	180		10.741					ND	
92 o-Xylene	106		10.983					ND	
93 Styrene	104		11.008					ND	
94 Bromoform	173		11.184					ND	
97 Isopropylbenzene	105		11.348					ND	
96 2-Chlorobenzotrifluoride	180		11.521					ND	
98 Cyclohexanone	55		11.572					ND	
100 Bromobenzene	156		11.659					ND	
99 1,1,2,2-Tetrachloroethane	83		11.665					ND	
102 trans-1,4-Dichloro-2-butene	53		11.701					ND	
101 1,2,3-Trichloropropane	110		11.719					ND	
103 N-Propylbenzene	120		11.762					ND	
104 2-Chlorotoluene	126		11.853					ND	
106 1,3,5-Trimethylbenzene	105		11.944					ND	
105 3-Chlorotoluene	126		11.967					ND	
107 4-Chlorotoluene	126		11.975					ND	
108 tert-Butylbenzene	119		12.261					ND	
110 1,2,4-Trimethylbenzene	105		12.322					ND	
111 1,2-dichloro-4-(trifluoromethyl)	214		12.463					ND	
112 sec-Butylbenzene	105		12.480					ND	
113 1,3-Dichlorobenzene	146		12.601					ND	
114 4-Isopropyltoluene	119		12.638					ND	
115 1,4-Dichlorobenzene	146		12.705					ND	
117 1,2,3-Trimethylbenzene	105		12.800					ND	
119 Benzyl chloride	91		12.820					ND	
116 2,4-Dichloro-1-(triflouromethyl)	214		12.836					ND	
118 2,5-Dichlorobenzotrifluoride	214		12.878					ND	
120 n-Butylbenzene	91		13.046					ND	
121 1,2-Dichlorobenzene	146		13.058					ND	
122 1,2-Dibromo-3-Chloropropane	75		13.842					ND	
124 1,3,5-Trichlorobenzene	180		14.101					ND	
123 2,4- & 2,5- & 2,6- Dichlorotolue	125		14.125					ND	
125 2,3- & 3,4- Dichlorotoluene	125		14.484					ND	
126 1,2,4-Trichlorobenzene	180		14.670					ND	
127 Hexachlorobutadiene	225		14.810					ND	
128 Naphthalene	128		14.931					ND	
129 1,2,3-Trichlorobenzene	180		15.157					ND	
130 2,3,6-Trichlorotoluene	159		16.056					ND	
131 2,4,5-Trichlorotoluene	159		16.056					ND	
S 154 Total BTEX	106		1.000					ND	
S 134 1,2-Dichloroethene, Total	96		1.000					ND	
S 133 Xylenes, Total	106		1.000					ND	
S 135 1,3-Dichloropropene, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

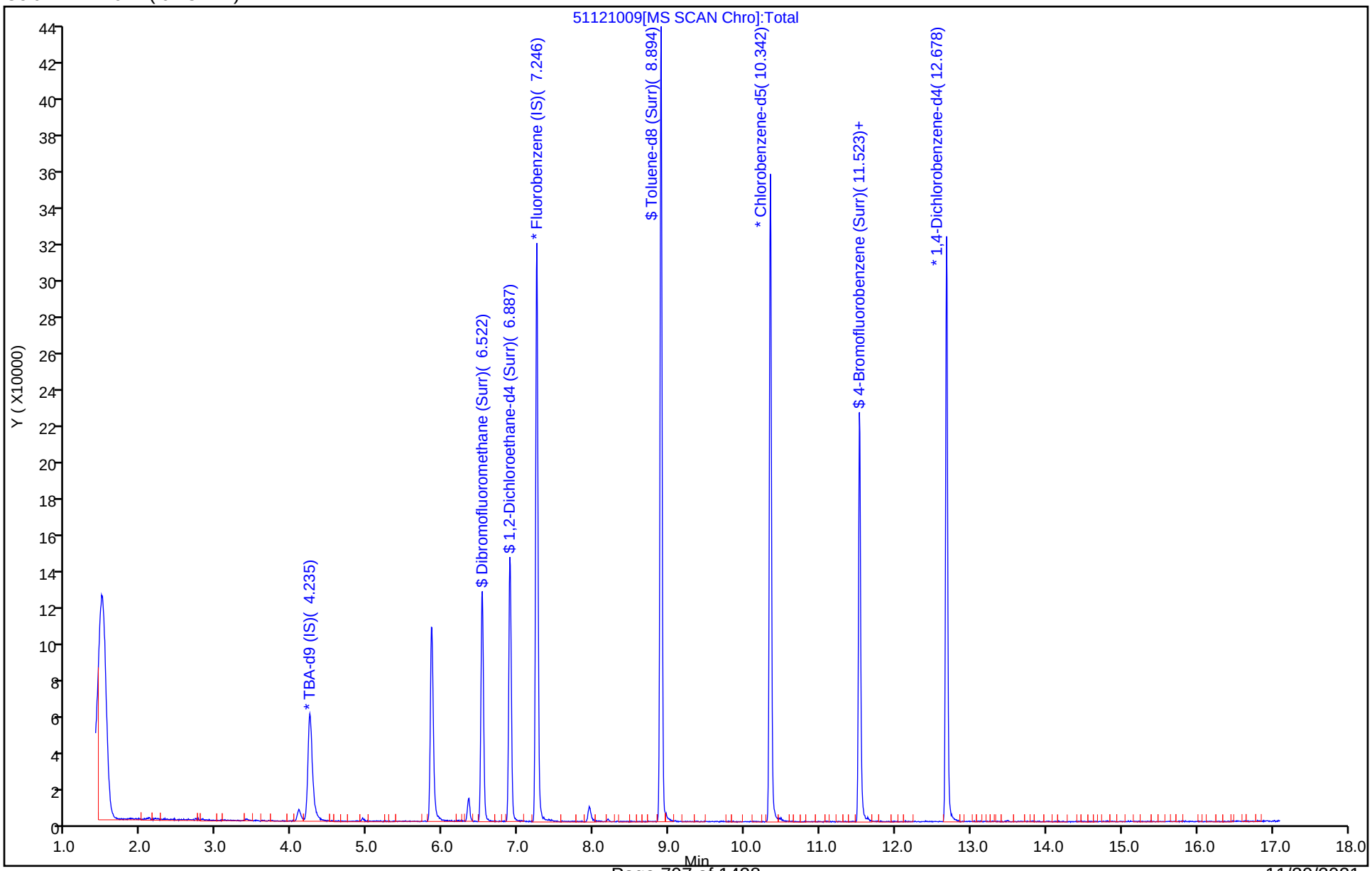
Report Date: 22-Nov-2021 11:09:59 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121009.D

Injection Date:	21-Nov-2021 13:30:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	mb			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-380188/5

Matrix: Water Lab File ID: 61126005.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 14:33

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		28-163
460-00-4	4-Bromofluorobenzene (Surr)	79		41-122
2037-26-5	Toluene-d8 (Surr)	84		53-125
1868-53-7	Dibromofluoromethane (Surr)	108		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 26-Nov-2021 14:33:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-005
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 14:57:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	40	624466	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	35	1177373	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.237	0.007	30	283871	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	29	267901	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.447	0.001	47	269025	50.0	53.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.830	-0.005	47	347497	50.0	44.8	
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	42	1074252	50.0	42.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.412	14.411	0.001	37	332880	50.0	39.4	
24 Acetone	43	6.594	6.588	0.006	5	5290		2.13	
46 Ethyl acetate	43	9.064	9.054	0.010	1	298		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

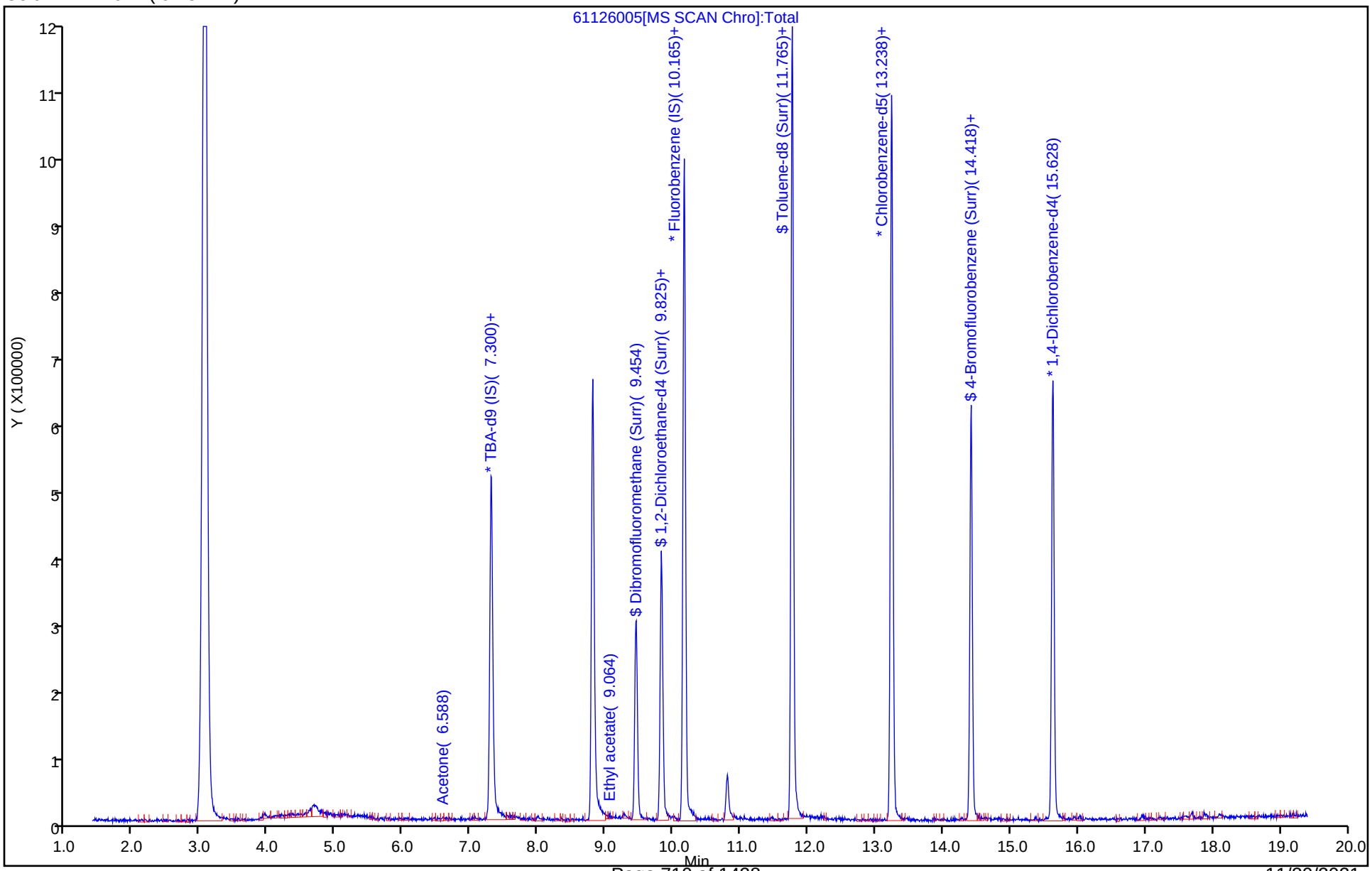
Report Date: 27-Nov-2021 15:48:44 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126005.D

Injection Date:	26-Nov-2021 14:33:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-379675/6

Matrix: Water Lab File ID: 51121006.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 12:14

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	11.5		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	11.4		1.0	0.71
108-88-3	Toluene	11.2		1.0	0.46
79-01-6	Trichloroethene	10.1		1.0	0.69
75-01-4	Vinyl chloride	11.9		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		28-163
460-00-4	4-Bromofluorobenzene (Surr)	111		41-122
2037-26-5	Toluene-d8 (Surr)	109		53-125
1868-53-7	Dibromofluoromethane (Surr)	115		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Nov-2021 12:14:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-006
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:50:04 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:49:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.243	4.243	0.000	0	135609	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.242	7.242	0.000	0	368547	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.344	10.344	0.000	0	88742	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.674	12.681	-0.007	0	191058	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.518	6.524	-0.006	94	104723	50.0	57.6	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	137776	50.0	55.8	a
$ 7 Toluene-d8 (Surr)	98	8.891	8.891	0.000	94	365730	50.0	54.6	a
$ 8 4-Bromofluorobenzene (Surr)	95	11.525	11.519	0.006	87	140732	50.0	55.6	a
11 Dichlorodifluoromethane	85	1.609	1.603	0.006	0	154964	50.0	63.8	
12 Chloromethane	50	1.828	1.815	0.013	82	184301	50.0	68.6	
13 Vinyl chloride	62	1.925	1.919	0.006	0	146173	50.0	59.6	
14 Butadiene	39	1.943	1.931	0.012	0	165169	50.0	57.8	
15 Bromomethane	94	2.290	2.284	0.006	88	64446	50.0	52.7	
16 Chloroethane	64	2.363	2.387	-0.024	0	68874	50.0	65.9	
17 Dichlorofluoromethane	67	2.698	2.673	0.025	0	176438	50.0	76.8	
18 Trichlorofluoromethane	101	2.722	2.698	0.024	74	103843	50.0	71.9	
20 Ethyl ether	59	3.014	3.008	0.006	0	103880	50.0	55.9	
21 Acrolein	56	3.190	3.184	0.006	0	79929	150.0	163.9	
22 1,1-Dichloroethene	96	3.336	3.300	0.036	96	100604	50.0	59.2	a
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.409	3.403	0.006	0	132006	50.0	70.0	
24 Acetone	43	3.409	3.403	0.006	0	130859	50.0	163.4	
25 Iodomethane	142	3.537	3.561	-0.024	0	162125	50.0	65.7	
26 Carbon disulfide	76	3.640	3.634	0.006	0	304151	50.0	58.6	
28 3-Chloro-1-propene	76	3.866	3.866	0.000	0	68125	50.0	49.9	
30 Methyl acetate	43	3.896	3.896	0.000	0	234958	100.0	133.6	
31 Methylene Chloride	84	4.103	4.091	0.012	0	154283	50.0	66.6	
32 2-Methyl-2-propanol	59	4.377	4.371	0.006	0	69541	500.0	461.9	
33 Acrylonitrile	53	4.492	4.492	0.000	0	534315	500.0	639.2	
34 trans-1,2-Dichloroethene	96	4.517	4.510	0.006	0	117826	50.0	58.6	
35 Methyl tert-butyl ether	73	4.535	4.529	0.006	0	307768	50.0	53.5	
36 Hexane	57	4.936	4.936	0.000	0	165237	50.0	48.0	
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	224056	50.0	57.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	5.210	5.210	0.000	0	148629	50.0	37.5	
44 2,2-Dichloropropane	97	5.916	5.904	0.012	0	31580	50.0	84.4	
45 cis-1,2-Dichloroethene	96	5.910	5.910	0.000	0	123879	50.0	56.9	
46 2-Butanone (MEK)	43	5.928	5.928	0.000	0	151005	50.0	134.8	
49 Chlorobromomethane	128	6.189	6.189	0.000	0	66653	50.0	60.2	
51 Tetrahydrofuran	42	6.208	6.208	0.000	0	61606	100.0	88.5	
52 Chloroform	83	6.342	6.335	0.007	0	244902	50.0	67.1	
53 1,1,1-Trichloroethane	97	6.494	6.488	0.006	0	166925	50.0	57.4	
54 Cyclohexane	56	6.561	6.561	0.000	0	199790	50.0	53.0	
56 Carbon tetrachloride	117	6.664	6.664	0.000	0	145316	50.0	57.5	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	140771	50.0	50.1	
58 Benzene	78	6.895	6.895	0.000	0	492503	50.0	56.3	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	92145	1250.0	2823.2	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	181995	50.0	57.9	
62 n-Heptane	43	7.260	7.260	0.000	0	192999	50.0	48.0	
64 Trichloroethene	130	7.631	7.631	0.000	0	104824	50.0	50.3	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	177472	50.0	48.6	
67 1,2-Dichloropropane	63	7.905	7.905	0.000	0	124406	50.0	54.9	
68 Dibromomethane	93	7.996	7.990	0.006	0	71470	50.0	59.5	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	14697	1000.0	650.7	
71 Dichlorobromomethane	83	8.191	8.185	0.006	0	141137	50.0	55.7	
73 2-Chloroethyl vinyl ether	63	8.495	8.495	0.000	0	117025	100.0	91.5	
74 cis-1,3-Dichloropropene	75	8.629	8.635	-0.006	0	160705	50.0	54.6	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	232776	50.0	118.0	
76 Toluene	91	8.957	8.957	0.000	0	483845	50.0	56.2	
77 trans-1,3-Dichloropropene	75	9.213	9.213	0.000	0	137437	50.0	54.1	
78 Ethyl methacrylate	69	9.274	9.274	0.000	0	100083	50.0	45.1	
79 1,1,2-Trichloroethane	97	9.402	9.402	0.000	0	101277	50.0	55.7	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	92766	50.0	54.2	
81 1,3-Dichloropropane	76	9.560	9.560	0.000	0	179232	50.0	54.8	
82 2-Hexanone	43	9.627	9.627	0.000	0	158182	50.0	123.8	
84 Chlorodibromomethane	129	9.773	9.773	0.000	0	92707	50.0	57.8	
85 Ethylene Dibromide	107	9.882	9.876	0.006	0	98960	50.0	56.7	
87 Chlorobenzene	112	10.369	10.369	0.000	0	307538	50.0	54.2	
89 1,1,1,2-Tetrachloroethane	131	10.460	10.466	-0.006	0	113772	50.0	58.2	
90 Ethylbenzene	106	10.472	10.472	0.000	0	150113	50.0	50.5	
91 m-Xylene & p-Xylene	106	10.600	10.600	0.000	0	193708	50.0	52.7	
92 o-Xylene	106	10.983	10.983	0.000	0	176709	50.0	49.9	
93 Styrene	104	11.001	11.008	-0.007	0	327456	50.0	55.2	
94 Bromoform	173	11.184	11.184	0.000	0	53998	50.0	60.3	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	451213	50.0	49.3	
100 Bromobenzene	156	11.658	11.659	0.000	0	136974	50.0	48.7	
99 1,1,2,2-Tetrachloroethane	83	11.665	11.665	0.000	0	145719	50.0	60.8	
102 trans-1,4-Dichloro-2-butene	53	11.701	11.701	0.000	0	34103	50.0	68.1	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	47059	50.0	50.0	
103 N-Propylbenzene	120	11.762	11.762	0.000	0	143404	50.0	46.3	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	129159	50.0	47.4	
106 1,3,5-Trimethylbenzene	105	11.950	11.944	0.006	0	446595	50.0	47.0	
107 4-Chlorotoluene	126	11.975	11.975	0.000	0	143388	50.0	51.9	
108 tert-Butylbenzene	119	12.261	12.261	0.000	0	324473	50.0	40.9	
110 1,2,4-Trimethylbenzene	105	12.322	12.322	0.000	0	478326	50.0	48.6	
112 sec-Butylbenzene	105	12.480	12.480	0.000	0	565453	50.0	45.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	284310	50.0	51.2	
114 4-Isopropyltoluene	119	12.638	12.638	0.000	0	492594	50.0	46.7	
115 1,4-Dichlorobenzene	146	12.705	12.705	0.000	0	299607	50.0	52.9	
120 n-Butylbenzene	91	13.046	13.046	0.000	0	433681	50.0	45.0	
121 1,2-Dichlorobenzene	146	13.058	13.058	0.000	0	297499	50.0	53.2	
122 1,2-Dibromo-3-Chloropropane	75	13.842	13.842	0.000	0	22147	50.0	52.1	
126 1,2,4-Trichlorobenzene	180	14.664	14.670	-0.006	0	149840	50.0	45.0	
127 Hexachlorobutadiene	225	14.810	14.810	0.000	0	95028	50.0	44.9	
128 Naphthalene	128	14.931	14.931	0.000	0	296348	50.0	41.9	
129 1,2,3-Trichlorobenzene	180	15.156	15.157	0.000	0	175415	50.0	52.4	
S 154 Total BTEX	106				0		250.0	265.6	
S 134 1,2-Dichloroethene, Total	96				0		100.0	115.5	
S 133 Xylenes, Total	106				0		100.0	102.7	
S 135 1,3-Dichloropropene, Total	1				0		100.0	108.7	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

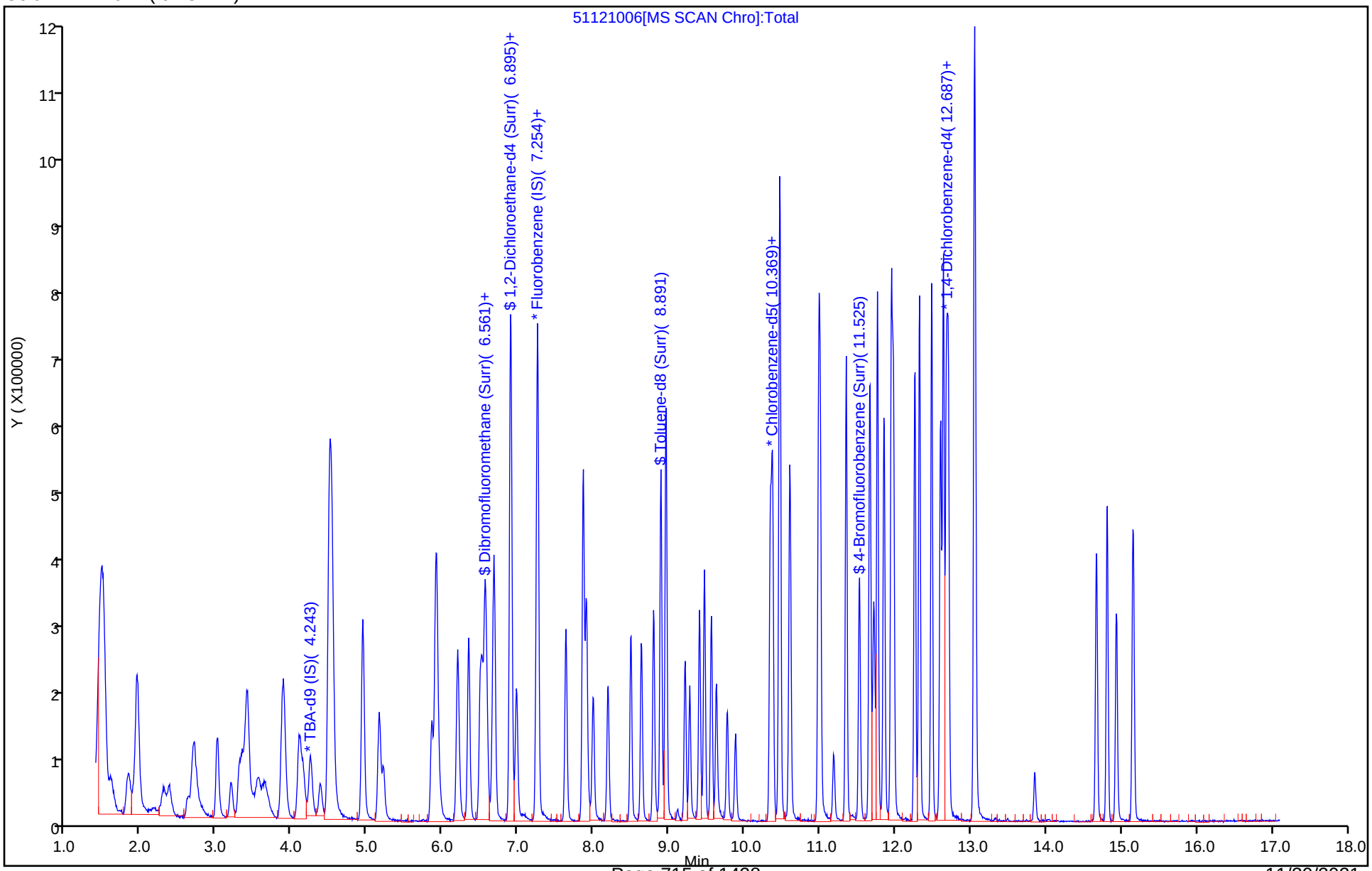
Report Date: 22-Nov-2021 11:50:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D

Injection Date:	21-Nov-2021 12:14:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

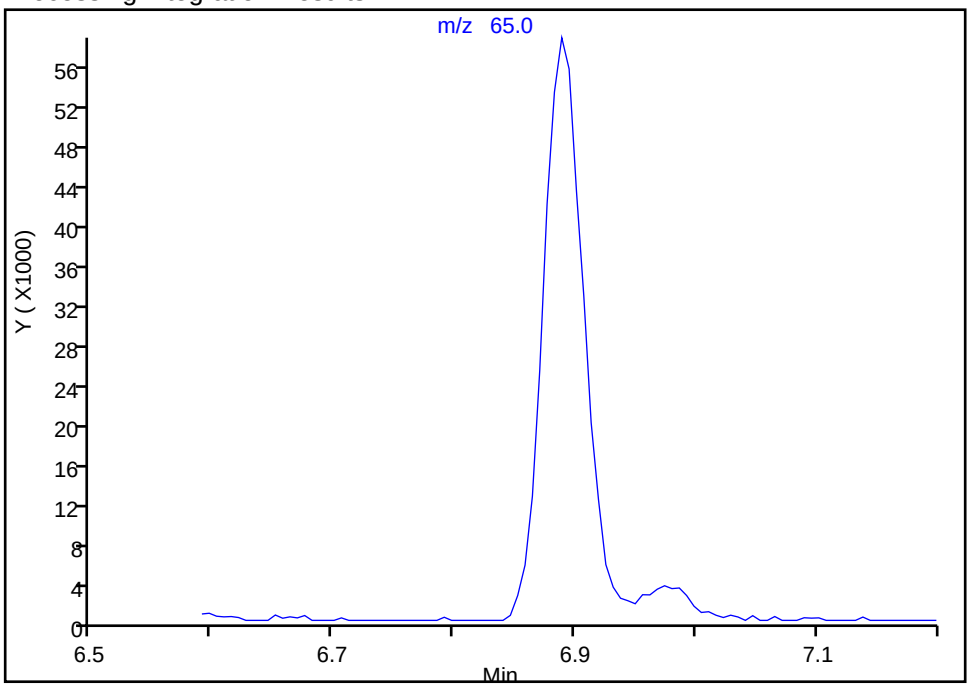
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D				
Injection Date:	21-Nov-2021 12:14:30	Instrument ID:	CHHP5		
Lims ID:	LCS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

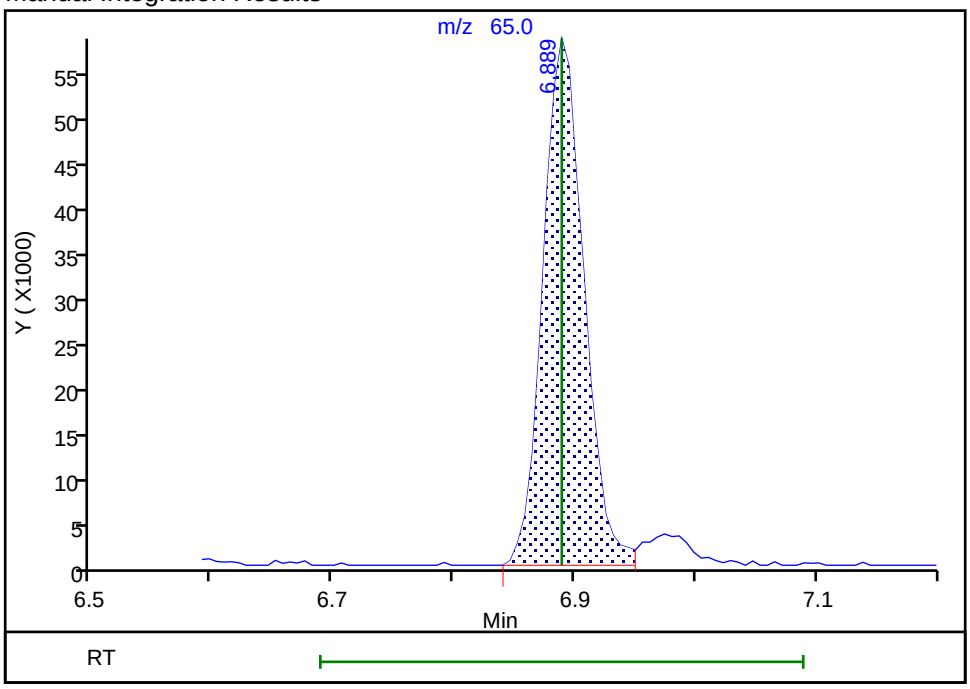
Not Detected
Expected RT: 6.89

Processing Integration Results



Manual Integration Results

RT: 6.89
Area: 137776
Amount: 55.796533
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 11:49:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

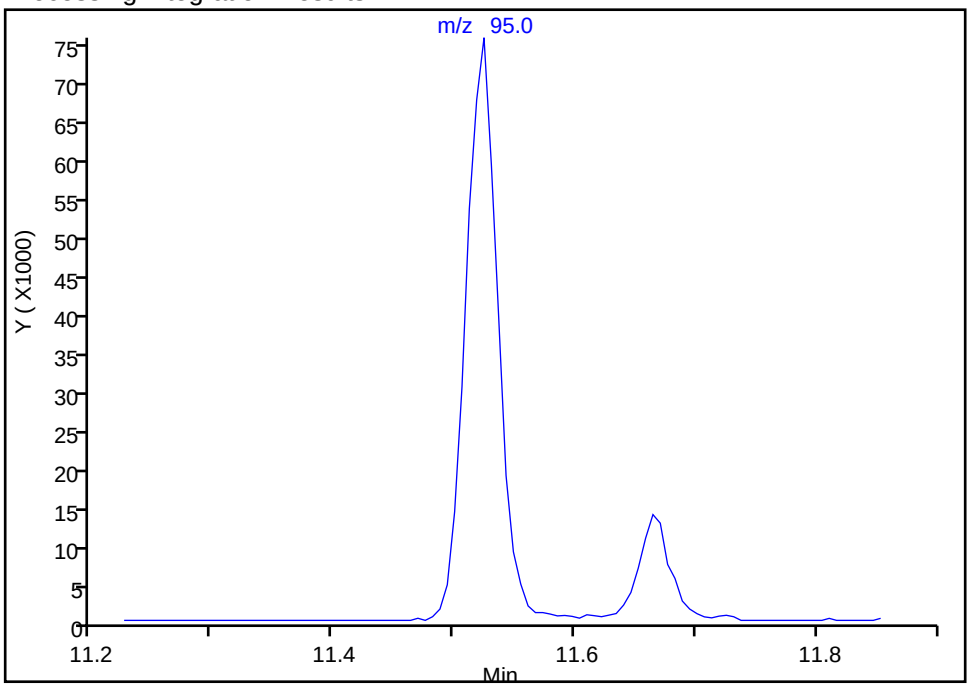
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D
Injection Date: 21-Nov-2021 12:14:30 Instrument ID: CHHP5
Lims ID: LCS
Client ID:
Operator ID: 034635 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 8 4-Bromofluorobenzene (Surr), CAS: 460-00-4

Signal: 1

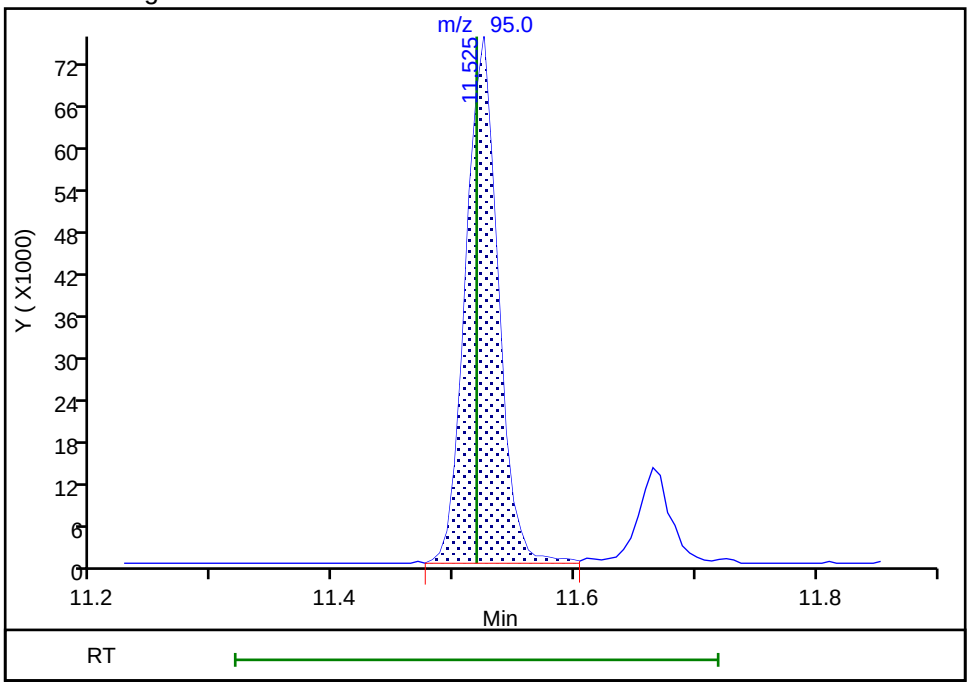
Not Detected
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.52
Area: 140732
Amount: 55.558712
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 11:49:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

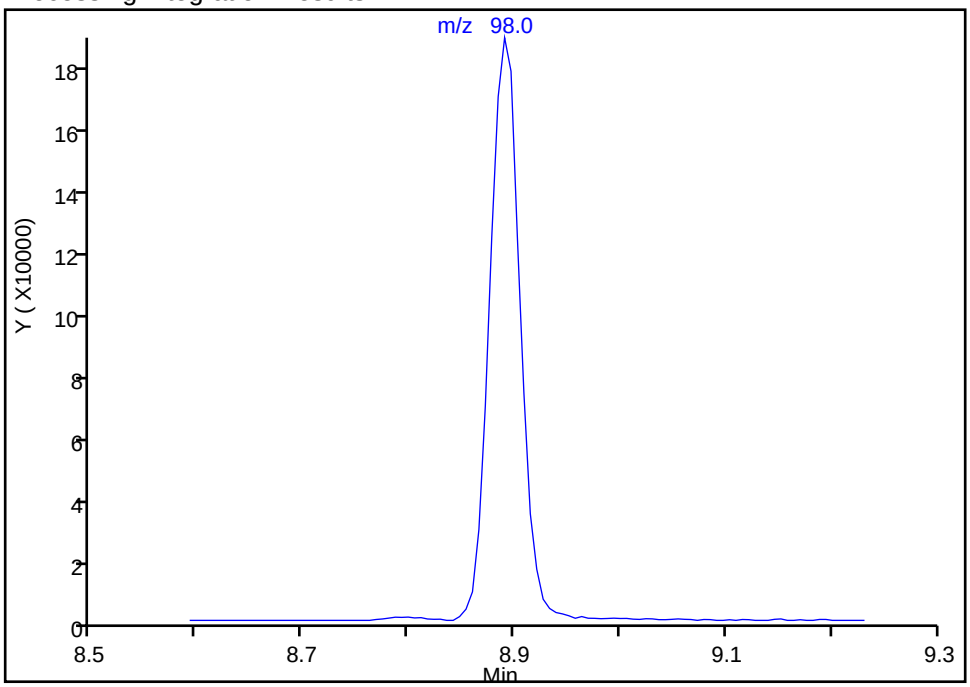
Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D
Injection Date: 21-Nov-2021 12:14:30 Instrument ID: CHHP5
Lims ID: LCS
Client ID:
Operator ID: 034635 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP5 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 7 Toluene-d8 (Surr), CAS: 2037-26-5

Signal: 1

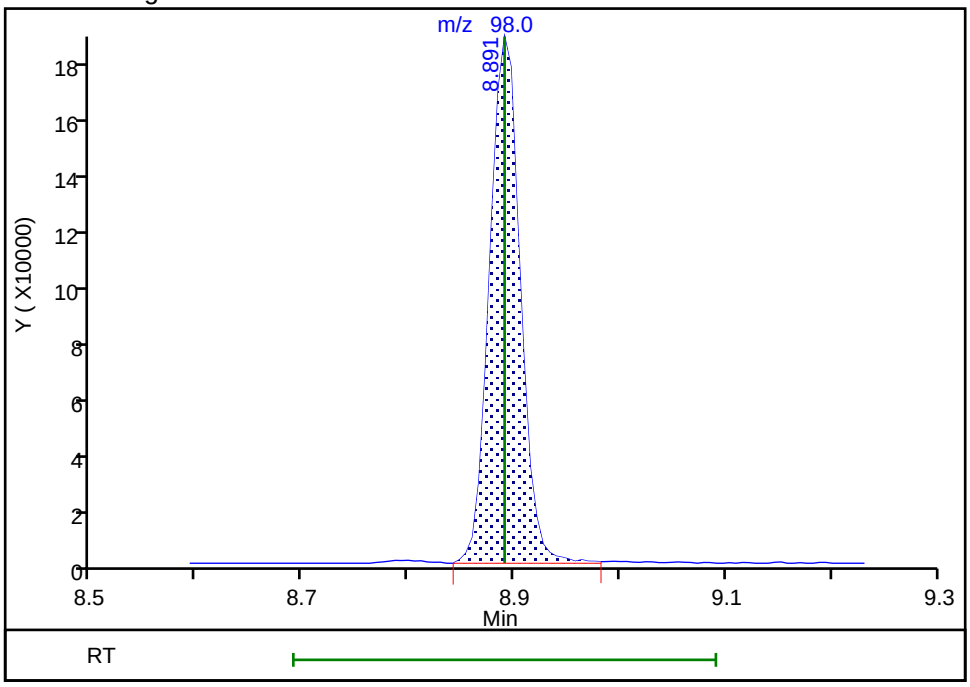
Not Detected
Expected RT: 8.89

Processing Integration Results



RT: 8.89
Area: 365730
Amount: 54.571864
Amount Units: ng

Manual Integration Results



Reviewer: journetp, 22-Nov-2021 11:49:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

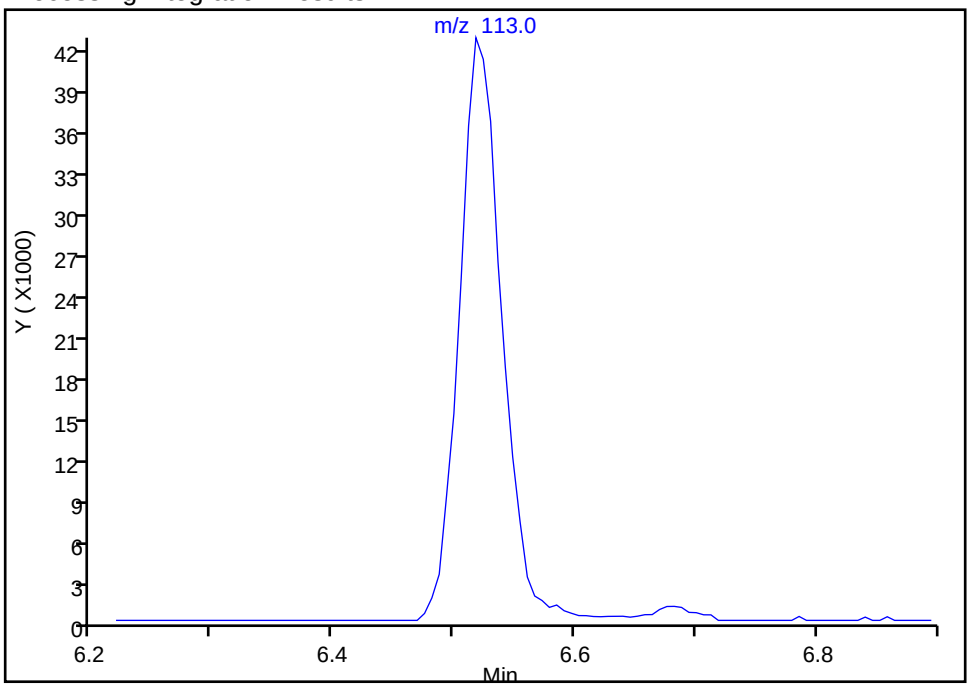
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121006.D				
Injection Date:	21-Nov-2021 12:14:30	Instrument ID:	CHHP5		
Lims ID:	LCS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 5 Dibromofluoromethane (Surr), CAS: 1868-53-7

Signal: 1

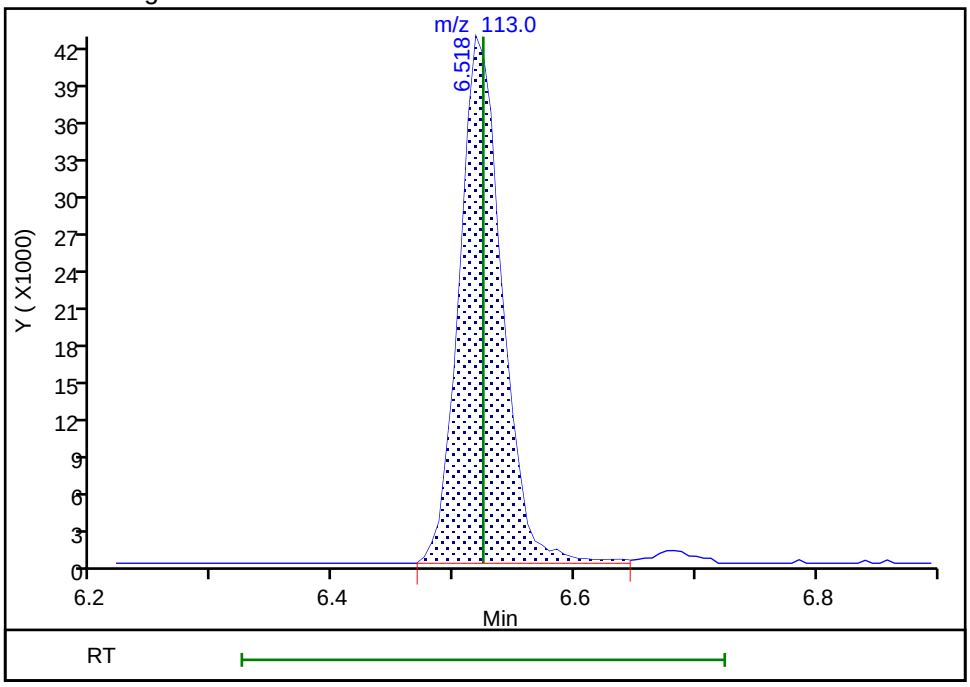
Not Detected
Expected RT: 6.52

Processing Integration Results



RT: 6.52
Area: 104723
Amount: 57.572747
Amount Units: ng

Manual Integration Results



Reviewer: journetp, 22-Nov-2021 11:49:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-380188/3

Matrix: Water Lab File ID: 61126003.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 13:36

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	6.47		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	8.67		1.0	0.71
108-88-3	Toluene	8.52		1.0	0.46
79-01-6	Trichloroethene	7.74		1.0	0.69
75-01-4	Vinyl chloride	7.29		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		28-163
460-00-4	4-Bromofluorobenzene (Surr)	86		41-122
2037-26-5	Toluene-d8 (Surr)	90		53-125
1868-53-7	Dibromofluoromethane (Surr)	100		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Nov-2021 13:36:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-003
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 14:54:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.301	7.306	-0.005	47	422009	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.160	10.165	-0.005	68	966152	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.233	13.237	-0.005	31	206020	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.628	-0.005	30	235959	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.455	9.447	0.008	47	204156	50.0	49.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.830	-0.004	47	280591	50.0	44.1	
$ 7 Toluene-d8 (Surr)	98	11.766	11.765	0.001	44	833478	50.0	45.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.411	0.008	37	262999	50.0	42.9	
11 Dichlorodifluoromethane	85	3.408	3.400	0.008	33	191775	50.0	28.6	
12 Chloromethane	50	3.803	3.808	-0.005	31	341469	50.0	43.3	
13 Vinyl chloride	62	4.095	4.094	0.001	23	239928	50.0	36.4	
14 Butadiene	39	4.180	4.179	0.001	50	287401	50.0	36.1	
15 Bromomethane	94	4.831	4.836	-0.005	42	131387	50.0	34.3	
16 Chloroethane	64	5.087	5.085	0.002	21	166094	50.0	37.1	
17 Dichlorofluoromethane	67	5.555	5.554	0.001	41	341771	50.0	32.7	
18 Trichlorofluoromethane	101	5.592	5.596	-0.004	40	244022	50.0	27.0	
20 Ethyl ether	59	6.109	6.107	0.002	45	274056	50.0	57.8	
21 Acrolein	56	6.358	6.351	0.007	39	129162	150.0	157.7	
22 1,1-Dichloroethene	96	6.522	6.515	0.007	37	179793	50.0	42.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.545	0.002	36	190142	50.0	38.3	
24 Acetone	43	6.589	6.588	0.001	25	323176	150.0	158.5	
25 Iodomethane	142	6.772	6.771	0.002	36	273367	50.0	43.3	
26 Carbon disulfide	76	6.869	6.868	0.001	39	586605	50.0	45.3	
30 Methyl acetate	43	7.064	7.063	0.002	46	974810	100.0	226.8	
29 3-Chloro-1-propene	76	7.070	7.081	-0.011	25	118825	50.0	44.0	
31 Methylene Chloride	84	7.289	7.294	-0.005	42	265694	50.0	43.9	
32 2-Methyl-2-propanol	59	7.423	7.428	-0.005	44	255784	500.0	518.2	
33 Acrylonitrile	53	7.599	7.604	-0.005	43	1650542	500.0	715.5	
35 Methyl tert-butyl ether	73	7.636	7.634	0.002	48	643374	50.0	55.1	
34 trans-1,2-Dichloroethene	96	7.648	7.653	-0.005	39	226529	50.0	41.1	
36 Hexane	57	8.007	8.005	0.002	15	398664	50.0	47.3	
38 Vinyl acetate	43	8.214	8.212	0.002	97	295722	50.0	40.9	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.226	8.218	0.008	40	452463	50.0	43.4	
44 2-Butanone (MEK)	43	8.883	8.881	0.002	46	544705	150.0	206.1	
43 cis-1,2-Dichloroethene	96	8.907	8.906	0.001	47	253447	50.0	43.3	
42 2,2-Dichloropropane	97	8.925	8.912	0.013	46	38905	50.0	28.2	
48 Chlorobromomethane	128	9.181	9.180	0.001	27	127170	50.0	48.9	
49 Tetrahydrofuran	42	9.199	9.204	-0.005	34	240111	100.0	169.8	
50 Chloroform	83	9.278	9.277	0.001	34	382613	50.0	39.8	
51 1,1,1-Trichloroethane	97	9.485	9.484	0.001	40	265144	50.0	32.4	
52 Cyclohexane	56	9.576	9.569	0.007	32	468135	50.0	46.4	
54 1,1-Dichloropropene	75	9.643	9.642	0.001	70	262681	50.0	36.4	
53 Carbon tetrachloride	117	9.649	9.648	0.001	27	215101	50.0	32.6	
55 Isobutyl alcohol	41	9.692	9.691	0.001	94	319730	1250.0	1825.3	a
56 Benzene	78	9.868	9.867	0.001	42	988248	50.0	44.1	
57 1,2-Dichloroethane	62	9.905	9.910	-0.005	31	386269	50.0	46.5	
59 n-Heptane	43	10.112	10.116	-0.004	43	480846	50.0	80.8	
61 Trichloroethene	130	10.531	10.536	-0.005	44	206611	50.0	38.7	
63 Methylcyclohexane	83	10.793	10.792	0.001	47	338597	50.0	41.3	
64 1,2-Dichloropropane	63	10.805	10.810	-0.005	46	286602	50.0	48.2	
65 1,4-Dioxane	88	10.860	10.865	-0.005	33	51541	1000.0	1144.9	
67 Dibromomethane	93	10.909	10.907	0.002	36	144886	50.0	51.0	
68 Dichlorobromomethane	83	11.049	11.053	-0.004	31	259007	50.0	41.7	
70 2-Chloroethyl vinyl ether	63	11.298	11.284	0.014	34	113888	100.0	37.2	
71 cis-1,3-Dichloropropene	75	11.487	11.485	0.002	36	320958	50.0	52.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.595	0.001	46	1097061	150.0	203.9	
73 Toluene	91	11.833	11.832	0.001	45	984983	50.0	42.6	
75 Ethyl methacrylate	69	12.022	12.021	0.001	49	264876	50.0	61.2	
74 trans-1,3-Dichloropropene	75	12.028	12.033	-0.005	36	299583	50.0	49.0	
76 1,1,2-Trichloroethane	97	12.241	12.240	0.001	93	237420	50.0	53.1	
77 Tetrachloroethene	164	12.363	12.361	0.002	43	160046	50.0	36.4	
78 1,3-Dichloropropane	76	12.411	12.410	0.001	86	410244	50.0	49.9	a
79 2-Hexanone	43	12.411	12.416	-0.005	33	675569	150.0	191.6	
81 Chlorodibromomethane	129	12.648	12.653	-0.005	35	184831	50.0	48.6	
82 Ethylene Dibromide	107	12.795	12.793	0.001	34	199942	50.0	49.1	
84 Chlorobenzene	112	13.263	13.274	-0.011	22	605907	50.0	43.8	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.335	0.001	40	209331	50.0	46.7	
87 Ethylbenzene	106	13.330	13.335	-0.005	42	314949	50.0	41.7	
88 m-Xylene & p-Xylene	106	13.458	13.456	0.002	32	366626	50.0	37.8	
89 o-Xylene	106	13.853	13.852	0.001	33	360313	50.0	46.1	
90 Styrene	104	13.871	13.870	0.001	49	572321	50.0	40.7	
91 Bromoform	173	14.102	14.101	0.001	40	94797	50.0	54.4	
93 Isopropylbenzene	105	14.212	14.211	0.001	47	811381	50.0	34.8	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.503	0.007	35	243943	50.0	50.6	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.545	-0.005	67	77102	50.0	76.6	a
98 1,2,3-Trichloropropane	110	14.589	14.588	0.001	32	83571	50.0	55.0	
95 Bromobenzene	156	14.589	14.594	-0.005	45	212263	50.0	49.8	
99 N-Propylbenzene	120	14.632	14.636	-0.004	34	241508	50.0	51.0	
100 2-Chlorotoluene	126	14.766	14.764	0.002	42	207444	50.0	49.9	
102 1,3,5-Trimethylbenzene	105	14.796	14.795	0.001	37	688491	50.0	45.7	
103 4-Chlorotoluene	126	14.881	14.880	0.001	39	208858	50.0	49.0	
104 tert-Butylbenzene	119	15.137	15.141	-0.004	42	634684	50.0	50.8	
106 1,2,4-Trimethylbenzene	105	15.197	15.196	0.001	39	677045	50.0	45.7	
108 sec-Butylbenzene	105	15.368	15.373	-0.005	31	789812	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
110 4-Isopropyltoluene	119	15.514	15.519	-0.005	33	641966	50.0	47.2	
109 1,3-Dichlorobenzene	146	15.556	15.555	0.001	97	349085	50.0	45.0	a
111 1,4-Dichlorobenzene	146	15.654	15.658	-0.004	93	338808	50.0	43.1	a
116 n-Butylbenzene	91	15.940	15.938	0.002	38	495763	50.0	53.3	
117 1,2-Dichlorobenzene	146	16.025	16.030	-0.005	96	297795	50.0	43.9	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.784	-0.005	66	21428	50.0	50.1	
122 1,2,4-Trichlorobenzene	180	17.582	17.581	0.001	30	57840	50.0	33.5	
123 Hexachlorobutadiene	225	17.692	17.696	-0.004	41	49064	50.0	53.4	
124 Naphthalene	128	17.880	17.873	0.007	20	107966	50.0	46.2	
125 1,2,3-Trichlorobenzene	180	18.099	18.098	0.001	34	42985	50.0	47.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	84.5	
S 131 Xylenes, Total	106				0		100.0	83.9	
S 154 Total BTEX	1				0		250.0	212.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	101.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

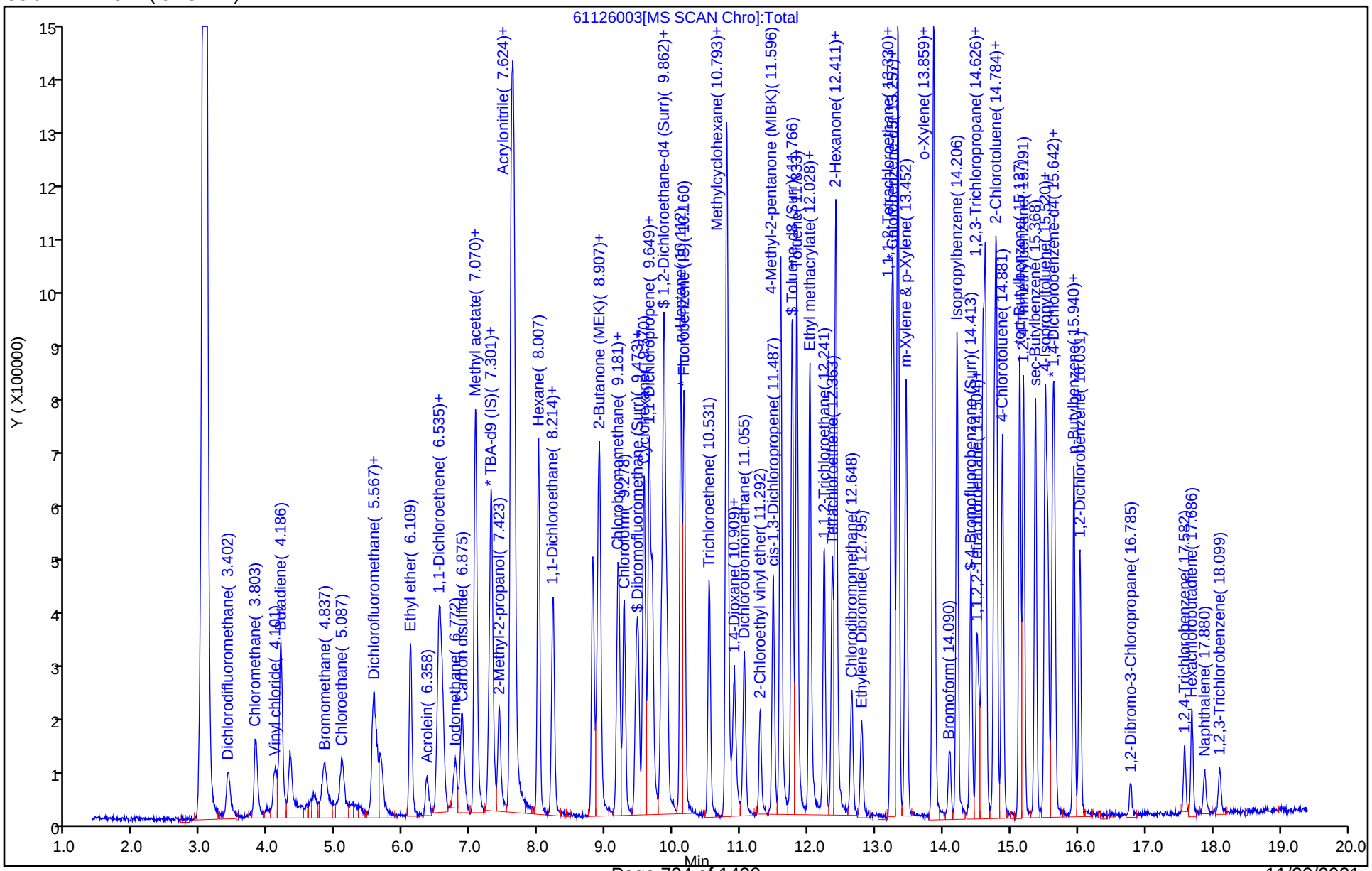
Report Date: 27-Nov-2021 15:48:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126003.D

Injection Date:	26-Nov-2021 13:36:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-SG-010 MS Lab Sample ID: 180-130105-10 MS

Matrix: Water Lab File ID: 51121030.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 09:25

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 22:15

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	12.0		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	11.3		1.0	0.71
108-88-3	Toluene	12.1		1.0	0.46
79-01-6	Trichloroethene	10.7		1.0	0.69
75-01-4	Vinyl chloride	12.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		28-163
460-00-4	4-Bromofluorobenzene (Surr)	97		41-122
2037-26-5	Toluene-d8 (Surr)	104		53-125
1868-53-7	Dibromofluoromethane (Surr)	111		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121030.D
Lims ID: 180-130105-D-10 MS
Client ID: WG-11201415-111621-SG-010
Sample Type: MS
Inject. Date: 21-Nov-2021 22:15:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-030
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:07:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.240	4.243	-0.003	0	126232	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.245	7.242	0.003	0	426501	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.347	10.344	0.003	0	105088	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.677	12.681	-0.004	0	191570	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.527	6.524	0.003	0	116887	50.0	55.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.892	6.889	0.003	0	155531	50.0	54.4	
$ 7 Toluene-d8 (Surr)	98	8.893	8.891	0.002	0	413850	50.0	52.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.521	11.519	0.002	0	145591	50.0	48.5	
11 Dichlorodifluoromethane	85	1.593	1.603	-0.010	0	180383	50.0	64.2	
12 Chloromethane	50	1.830	1.815	0.015	0	215292	50.0	69.2	
13 Vinyl chloride	62	1.928	1.919	0.009	0	179867	50.0	63.4	
14 Butadiene	39	1.946	1.931	0.015	0	198434	50.0	60.0	
15 Bromomethane	94	2.299	2.284	0.015	0	94701	50.0	68.0	
16 Chloroethane	64	2.372	2.387	-0.015	0	95509	50.0	80.3	
17 Dichlorofluoromethane	67	2.694	2.673	0.021	0	226501	50.0	85.6	
18 Trichlorofluoromethane	101	2.700	2.698	0.002	0	112547	50.0	67.3	
20 Ethyl ether	59	3.011	3.008	0.003	0	121947	50.0	56.7	
21 Acrolein	56	3.187	3.184	0.003	0	82827	150.0	146.7	
22 1,1-Dichloroethene	96	3.309	3.300	0.009	0	113844	50.0	57.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.400	3.403	-0.003	0	150240	50.0	68.8	
24 Acetone	43	3.406	3.403	0.003	95	103825	50.0	110.0	
25 Iodomethane	142	3.546	3.561	-0.015	0	192633	50.0	67.4	
26 Carbon disulfide	76	3.631	3.634	-0.003	0	323307	50.0	53.8	
28 3-Chloro-1-propene	76	3.881	3.866	0.015	0	74890	50.0	47.4	
30 Methyl acetate	43	3.899	3.896	0.003	98	1627623	100.0	799.9	E
31 Methylene Chloride	84	4.106	4.091	0.015	0	176773	50.0	65.9	
32 2-Methyl-2-propanol	59	4.379	4.371	0.008	0	70648	500.0	504.1	
33 Acrylonitrile	53	4.495	4.492	0.003	0	516811	500.0	534.3	
34 trans-1,2-Dichloroethene	96	4.519	4.510	0.009	0	142493	50.0	61.2	
35 Methyl tert-butyl ether	73	4.538	4.529	0.009	0	303082	50.0	45.5	
36 Hexane	57	4.939	4.936	0.003	0	149167	50.0	37.5	
37 1,1-Dichloroethane	63	5.158	5.155	0.003	0	270112	50.0	59.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.906	5.904	0.002	0	34679	50.0	80.1	
45 cis-1,2-Dichloroethene	96	5.912	5.910	0.002	0	142113	50.0	56.4	
46 2-Butanone (MEK)	43	5.925	5.928	-0.003	0	142114	50.0	108.9	
49 Chlorobromomethane	128	6.192	6.189	0.003	0	76461	50.0	59.6	
51 Tetrahydrofuran	42	6.204	6.208	-0.004	0	55229	100.0	68.6	
52 Chloroform	83	6.344	6.335	0.009	0	267500	50.0	63.0	
53 1,1,1-Trichloroethane	97	6.496	6.488	0.008	0	202399	50.0	60.1	
54 Cyclohexane	56	6.569	6.561	0.008	0	205737	50.0	47.2	
56 Carbon tetrachloride	117	6.667	6.664	0.003	0	174536	50.0	59.7	
55 1,1-Dichloropropene	75	6.685	6.682	0.003	0	173225	50.0	53.3	
58 Benzene	78	6.904	6.895	0.009	0	628551	50.0	62.1	
57 Isobutyl alcohol	41	6.904	6.907	-0.003	0	97578	1250.0	2583.4	
59 1,2-Dichloroethane	62	6.977	6.974	0.003	0	218299	50.0	60.1	
62 n-Heptane	43	7.263	7.260	0.003	0	133754	50.0	28.7	
64 Trichloroethene	130	7.634	7.631	0.003	0	129096	50.0	53.5	
66 Methylcyclohexane	83	7.865	7.862	0.003	0	149830	50.0	35.4	
67 1,2-Dichloropropane	63	7.902	7.905	-0.003	0	161558	50.0	61.6	
68 Dibromomethane	93	7.993	7.990	0.003	0	83188	50.0	59.9	
70 1,4-Dioxane	88	7.993	7.996	-0.003	0	14086	1000.0	538.9	
71 Dichlorobromomethane	83	8.188	8.185	0.003	0	172441	50.0	58.8	
73 2-Chloroethyl vinyl ether	63	8.480	8.495	-0.015	0	155	100.0	7.20	
74 cis-1,3-Dichloropropene	75	8.632	8.635	-0.003	0	158641	50.0	46.6	
75 4-Methyl-2-pentanone (MIBK)	43	8.796	8.793	0.003	0	277536	50.0	118.8	
76 Toluene	91	8.960	8.957	0.003	0	615492	50.0	60.4	
77 trans-1,3-Dichloropropene	75	9.210	9.213	-0.003	0	150931	50.0	50.2	
78 Ethyl methacrylate	69	9.277	9.274	0.003	0	103829	50.0	39.5	
79 1,1,2-Trichloroethane	97	9.404	9.402	0.002	0	121290	50.0	56.3	
80 Tetrachloroethene	164	9.471	9.468	0.003	0	115702	50.0	57.1	
81 1,3-Dichloropropane	76	9.563	9.560	0.003	0	204603	50.0	52.8	
82 2-Hexanone	43	9.629	9.627	0.002	0	180904	50.0	119.6	
84 Chlorodibromomethane	129	9.769	9.773	-0.004	0	106864	50.0	56.3	
85 Ethylene Dibromide	107	9.879	9.876	0.003	0	105724	50.0	51.2	
87 Chlorobenzene	112	10.372	10.369	0.003	0	372217	50.0	55.4	
89 1,1,1,2-Tetrachloroethane	131	10.463	10.466	-0.003	0	138240	50.0	59.7	
90 Ethylbenzene	106	10.475	10.472	0.003	0	176592	50.0	50.1	
91 m-Xylene & p-Xylene	106	10.603	10.600	0.003	0	229257	50.0	52.7	
92 o-Xylene	106	10.986	10.983	0.003	0	208458	50.0	49.8	
93 Styrene	104	11.004	11.008	-0.004	0	383885	50.0	54.7	
94 Bromoform	173	11.181	11.184	-0.003	0	54369	50.0	51.3	
97 Isopropylbenzene	105	11.351	11.348	0.003	0	487768	50.0	45.0	
100 Bromobenzene	156	11.661	11.659	0.003	0	149828	50.0	53.1	
99 1,1,2,2-Tetrachloroethane	83	11.667	11.665	0.002	0	149119	50.0	52.5	
102 trans-1,4-Dichloro-2-butene	53	11.710	11.701	0.009	0	27305	50.0	57.3	
101 1,2,3-Trichloropropane	110	11.716	11.719	-0.003	0	45816	50.0	48.5	
103 N-Propylbenzene	120	11.765	11.762	0.003	0	148675	50.0	47.8	
104 2-Chlorotoluene	126	11.850	11.853	-0.003	0	141188	50.0	51.7	
106 1,3,5-Trimethylbenzene	105	11.947	11.944	0.003	0	454102	50.0	47.6	
107 4-Chlorotoluene	126	11.972	11.975	-0.003	0	156809	50.0	56.6	
108 tert-Butylbenzene	119	12.258	12.261	-0.003	0	307992	50.0	38.7	
110 1,2,4-Trimethylbenzene	105	12.318	12.322	-0.004	0	468793	50.0	47.5	
112 sec-Butylbenzene	105	12.483	12.480	0.003	0	485208	50.0	38.6	
113 1,3-Dichlorobenzene	146	12.598	12.601	-0.003	0	282764	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
114 4-Isopropyltoluene	119	12.635	12.638	-0.003	0	407521	50.0	38.5	
115 1,4-Dichlorobenzene	146	12.702	12.705	-0.003	0	304257	50.0	53.5	
120 n-Butylbenzene	91	13.048	13.046	0.002	0	316337	50.0	32.7	
121 1,2-Dichlorobenzene	146	13.061	13.058	0.003	0	283265	50.0	50.5	
122 1,2-Dibromo-3-Chloropropane	75	13.845	13.842	0.003	0	18009	50.0	42.2	
126 1,2,4-Trichlorobenzene	180	14.667	14.670	-0.003	0	76980	50.0	23.0	
127 Hexachlorobutadiene	225	14.813	14.810	0.003	0	50464	50.0	23.8	
128 Naphthalene	128	14.934	14.931	0.003	97	152520	50.0	23.6	
129 1,2,3-Trichlorobenzene	180	15.153	15.157	-0.003	0	81455	50.0	24.2	
S 154 Total BTEX	106				0		250.0	275.1	
S 134 1,2-Dichloroethene, Total	96				0		100.0	117.6	
S 133 Xylenes, Total	106				0		100.0	102.4	
S 135 1,3-Dichloropropene, Total	1				0		100.0	96.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

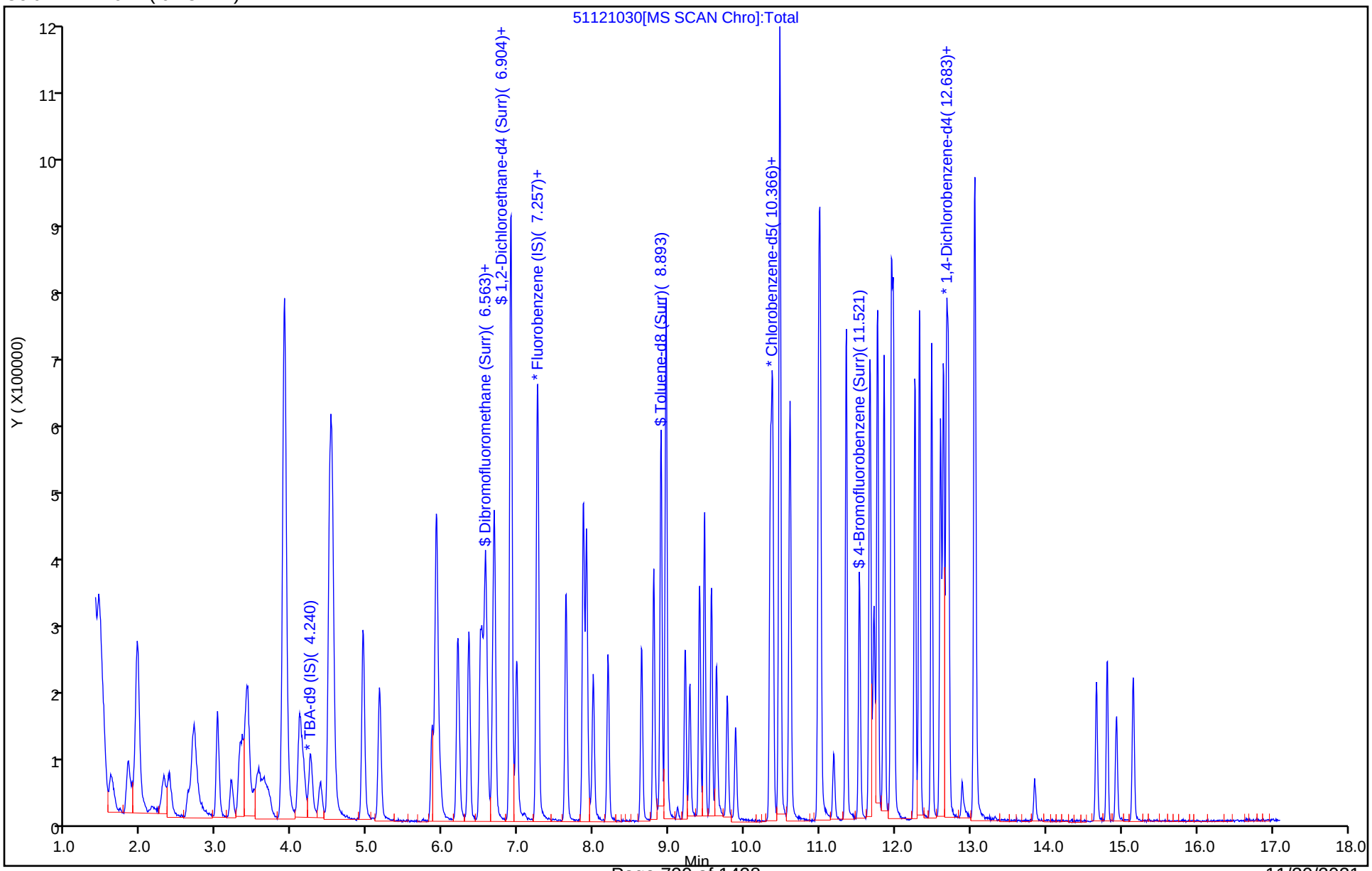
Report Date: 22-Nov-2021 11:09:46 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121030.D

Injection Date:	21-Nov-2021 22:15:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-10 MS			Worklist Smp#:	30
Client ID:	WG-11201415-111621-SG-010				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Client Sample ID: WG-11201415-111621-SG-010 MSD Lab Sample ID: 180-130105-10 MSD

Matrix: Water Lab File ID: 51121031.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 09:25

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2021 22:40

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.: 379675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10.6		1.0	0.60
156-59-2	cis-1,2-Dichloroethene	11.0		1.0	0.71
108-88-3	Toluene	12.0		1.0	0.46
79-01-6	Trichloroethene	9.98		1.0	0.69
75-01-4	Vinyl chloride	10.3		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		28-163
460-00-4	4-Bromofluorobenzene (Surr)	99		41-122
2037-26-5	Toluene-d8 (Surr)	113		53-125
1868-53-7	Dibromofluoromethane (Surr)	110		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121031.D
Lims ID: 180-130105-D-10 MSD
Client ID: WG-11201415-111621-SG-010
Sample Type: MSD
Inject. Date: 21-Nov-2021 22:40:30 ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040175-031
Operator ID: 034635 Instrument ID: CHHP5

Method: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\MSVOA_LL_CHHP5.m
Limit Group: VOA 624.1 ICAL
Last Update: 22-Nov-2021 11:09:09 Calib Date: 04-Nov-2021 14:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211104-39916.b\51104012.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1650

First Level Reviewer: journetp Date: 22-Nov-2021 11:07:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	4.242	4.243	-0.001	0	120840	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	7.247	7.242	0.005	0	506510	50.0	50.0	
* 3 Chlorobenzene-d5	119	10.338	10.344	-0.006	0	117621	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	12.680	12.681	-0.001	0	196269	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.517	6.524	-0.007	0	137293	50.0	54.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.889	6.889	0.000	0	175228	50.0	51.6	
$ 7 Toluene-d8 (Surr)	98	8.890	8.891	-0.001	0	502958	50.0	56.6	
$ 8 4-Bromofluorobenzene (Surr)	95	11.524	11.519	0.005	0	165729	50.0	49.4	
11 Dichlorodifluoromethane	85	1.596	1.603	-0.007	0	182514	50.0	54.7	
12 Chloromethane	50	1.815	1.815	0.000	0	304887	50.0	82.5	
13 Vinyl chloride	62	1.924	1.919	0.005	0	172885	50.0	51.3	
14 Butadiene	39	1.937	1.931	0.006	0	186564	50.0	47.5	
15 Bromomethane	94	2.265	2.284	-0.019	0	97870	50.0	58.6	
16 Chloroethane	64	2.387	2.387	0.000	0	96433	50.0	67.3	
17 Dichlorofluoromethane	67	2.679	2.673	0.006	0	197730	50.0	62.0	
18 Trichlorofluoromethane	101	2.618	2.698	-0.080	0	45579	50.0	22.9	
20 Ethyl ether	59	3.001	3.008	-0.007	0	111697	50.0	43.8	
21 Acrolein	56	3.184	3.184	0.000	0	61182	150.0	91.3	
22 1,1-Dichloroethene	96	3.293	3.300	-0.007	0	96021	50.0	41.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.409	3.403	0.006	0	116644	50.0	45.0	
24 Acetone	43	3.397	3.403	-0.006	99	80523	50.0	69.7	
25 Iodomethane	142	3.561	3.561	0.000	0	119224	50.0	35.1	
26 Carbon disulfide	76	3.628	3.634	-0.006	0	266512	50.0	37.4	
28 3-Chloro-1-propene	76	3.871	3.866	0.005	0	65257	50.0	34.8	
30 Methyl acetate	43	3.896	3.896	0.000	99	1381196	100.0	571.5	E
31 Methylene Chloride	84	4.090	4.091	-0.001	0	159732	50.0	48.6	
32 2-Methyl-2-propanol	59	4.370	4.371	-0.001	0	71531	500.0	533.1	
33 Acrylonitrile	53	4.492	4.492	0.000	0	503008	500.0	437.9	
34 trans-1,2-Dichloroethene	96	4.516	4.510	0.006	0	148149	50.0	53.6	
35 Methyl tert-butyl ether	73	4.528	4.529	-0.001	0	352685	50.0	44.6	
36 Hexane	57	4.936	4.936	0.000	0	167695	50.0	35.5	
37 1,1-Dichloroethane	63	5.155	5.155	0.000	0	307469	50.0	57.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2,2-Dichloropropane	97	5.903	5.904	-0.001	0	27652	50.0	53.8	
45 cis-1,2-Dichloroethene	96	5.909	5.910	-0.001	0	164724	50.0	55.1	
46 2-Butanone (MEK)	43	5.927	5.928	-0.001	0	146432	50.0	93.9	
49 Chlorobromomethane	128	6.195	6.189	0.006	0	84504	50.0	55.5	
51 Tetrahydrofuran	42	6.207	6.208	-0.001	0	69311	100.0	72.5	
52 Chloroform	83	6.341	6.335	0.006	0	300386	50.0	59.3	
53 1,1,1-Trichloroethane	97	6.493	6.488	0.005	0	212695	50.0	53.2	
54 Cyclohexane	56	6.560	6.561	-0.001	0	216399	50.0	41.8	
56 Carbon tetrachloride	117	6.663	6.664	-0.001	0	184100	50.0	53.0	
55 1,1-Dichloropropene	75	6.682	6.682	0.000	0	187718	50.0	48.6	
58 Benzene	78	6.901	6.895	0.006	0	696883	50.0	57.9	
57 Isobutyl alcohol	41	6.907	6.907	0.000	0	115879	1250.0	2583.4	
59 1,2-Dichloroethane	62	6.974	6.974	0.000	0	241041	50.0	55.8	
62 n-Heptane	43	7.260	7.260	0.000	0	156567	50.0	28.3	
64 Trichloroethene	130	7.631	7.631	0.000	0	142989	50.0	49.9	
66 Methylcyclohexane	83	7.862	7.862	0.000	0	166827	50.0	33.2	
67 1,2-Dichloropropane	63	7.898	7.905	-0.007	0	182600	50.0	58.6	
68 Dibromomethane	93	7.990	7.990	0.000	0	91772	50.0	55.6	
70 1,4-Dioxane	88	7.996	7.996	0.000	0	19072	1000.0	614.4	
71 Dichlorobromomethane	83	8.190	8.185	0.005	0	194435	50.0	55.8	
73 2-Chloroethyl vinyl ether	63	8.482	8.495	-0.013	0	685	100.0	7.47	
74 cis-1,3-Dichloropropene	75	8.635	8.635	0.000	0	174920	50.0	43.2	
75 4-Methyl-2-pentanone (MIBK)	43	8.793	8.793	0.000	0	287763	50.0	110.0	
76 Toluene	91	8.957	8.957	0.000	0	686758	50.0	60.2	
77 trans-1,3-Dichloropropene	75	9.212	9.213	-0.001	0	163777	50.0	48.7	
78 Ethyl methacrylate	69	9.273	9.274	-0.001	0	129906	50.0	44.2	
79 1,1,2-Trichloroethane	97	9.407	9.402	0.005	0	140127	50.0	58.1	
80 Tetrachloroethene	164	9.468	9.468	0.000	0	123228	50.0	54.3	
81 1,3-Dichloropropane	76	9.559	9.560	-0.001	0	241275	50.0	55.7	
82 2-Hexanone	43	9.626	9.627	-0.001	0	191428	50.0	113.1	
84 Chlorodibromomethane	129	9.772	9.773	-0.001	0	116998	50.0	55.0	
85 Ethylene Dibromide	107	9.882	9.876	0.006	0	119949	50.0	51.9	
87 Chlorobenzene	112	10.368	10.369	-0.001	0	430162	50.0	57.2	
89 1,1,1,2-Tetrachloroethane	131	10.460	10.466	-0.006	0	158114	50.0	61.0	
90 Ethylbenzene	106	10.472	10.472	0.000	0	207797	50.0	52.7	
91 m-Xylene & p-Xylene	106	10.599	10.600	-0.001	0	259959	50.0	53.4	
92 o-Xylene	106	10.983	10.983	0.000	0	240676	50.0	51.3	
93 Styrene	104	11.007	11.008	-0.001	0	438288	50.0	55.8	
94 Bromoform	173	11.183	11.184	-0.001	0	53537	50.0	45.1	
97 Isopropylbenzene	105	11.348	11.348	0.000	0	566747	50.0	46.7	
100 Bromobenzene	156	11.664	11.659	0.006	0	170163	50.0	58.8	
99 1,1,2,2-Tetrachloroethane	83	11.664	11.665	-0.001	0	171077	50.0	53.9	
102 trans-1,4-Dichloro-2-butene	53	11.713	11.701	0.012	0	6561	50.0	18.7	
101 1,2,3-Trichloropropane	110	11.719	11.719	0.000	0	51481	50.0	53.2	
103 N-Propylbenzene	120	11.761	11.762	-0.001	0	163947	50.0	51.5	
104 2-Chlorotoluene	126	11.853	11.853	0.000	0	159978	50.0	57.1	
106 1,3,5-Trimethylbenzene	105	11.950	11.944	0.006	0	507224	50.0	51.9	
107 4-Chlorotoluene	126	11.974	11.975	-0.001	0	177898	50.0	62.7	
108 tert-Butylbenzene	119	12.260	12.261	-0.001	0	352122	50.0	43.2	
110 1,2,4-Trimethylbenzene	105	12.321	12.322	-0.001	0	540462	50.0	53.5	
112 sec-Butylbenzene	105	12.485	12.480	0.005	0	544429	50.0	42.3	
113 1,3-Dichlorobenzene	146	12.601	12.601	0.000	0	301970	50.0	53.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
114 4-Isopropyltoluene	119	12.637	12.638	-0.001	0	452679	50.0	41.8	
115 1,4-Dichlorobenzene	146	12.704	12.705	-0.001	0	323478	50.0	55.6	
120 n-Butylbenzene	91	13.045	13.046	-0.001	0	349846	50.0	35.4	
121 1,2-Dichlorobenzene	146	13.063	13.058	0.005	0	301814	50.0	52.6	
122 1,2-Dibromo-3-Chloropropane	75	13.848	13.842	0.006	0	20942	50.0	47.9	
126 1,2,4-Trichlorobenzene	180	14.669	14.670	-0.001	0	87075	50.0	25.4	
127 Hexachlorobutadiene	225	14.809	14.810	-0.001	0	58236	50.0	26.8	
128 Naphthalene	128	14.931	14.931	0.000	0	172868	50.0	25.6	
129 1,2,3-Trichlorobenzene	180	15.156	15.157	0.000	0	92726	50.0	26.9	
S 154 Total BTEX	106				0		250.0	275.6	
S 134 1,2-Dichloroethene, Total	96				0		100.0	108.7	
S 133 Xylenes, Total	106				0		100.0	104.7	
S 135 1,3-Dichloropropene, Total	1				0		100.0	91.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VOACEVEPRI_00102	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL	
VOAACRPRI_00042	Amount Added:	6.00	Units: uL	
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

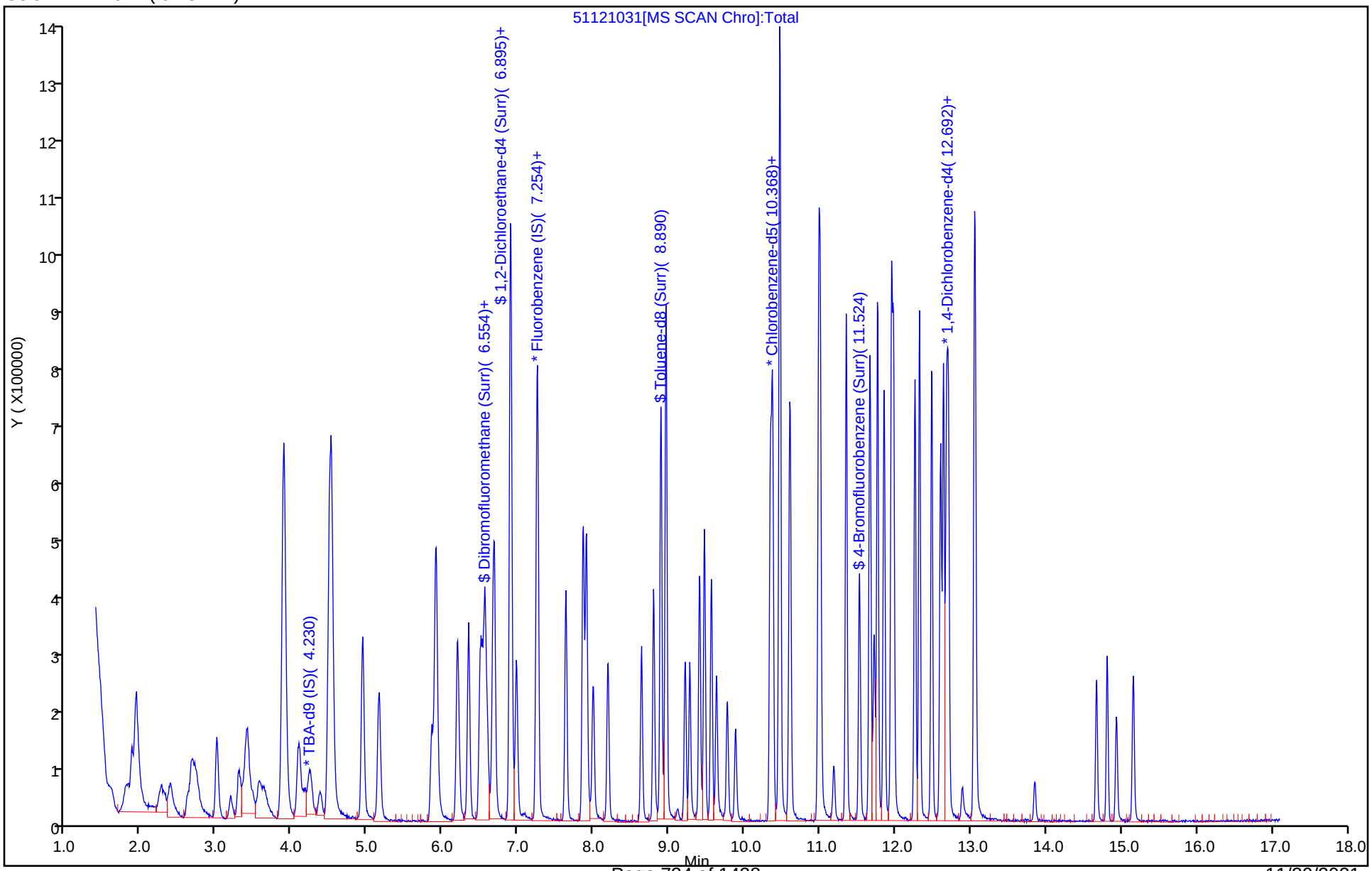
Report Date: 22-Nov-2021 11:09:48 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP5\20211121-40175.b\51121031.D

Injection Date:	21-Nov-2021 22:40:30	Instrument ID:	CHHP5	Operator ID:	034635
Lims ID:	180-130105-D-10 MSD			Worklist Smp#:	31
Client ID:	WG-11201415-111621-SG-010				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	MSVOA_LL_CHHP5	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: CHHP5 Start Date: 11/04/2021 09:24

Analysis Batch Number: 377581 End Date: 11/05/2021 13:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-377581/1		11/04/2021 09:24	1	51104001.D	DB-624 0.18(mm)
IC 180-377581/5		11/04/2021 11:31	1	51104005.D	DB-624 0.18(mm)
IC 180-377581/6		11/04/2021 11:57	1	51104006.D	DB-624 0.18(mm)
ICIS 180-377581/7		11/04/2021 12:22	1	51104007.D	DB-624 0.18(mm)
IC 180-377581/8		11/04/2021 12:48	1	51104008.D	DB-624 0.18(mm)
IC 180-377581/9		11/04/2021 13:32	1	51104009.D	DB-624 0.18(mm)
IC 180-377581/10		11/04/2021 13:57	1	51104010.D	DB-624 0.18(mm)
IC 180-377581/11		11/04/2021 14:23	1	51104011.D	DB-624 0.18(mm)
IC 180-377581/12		11/04/2021 14:50	1	51104012.D	DB-624 0.18(mm)
ZZZZZ		11/04/2021 17:22	1		DB-624 0.18(mm)
ICV 180-377581/21		11/04/2021 18:36	1		DB-624 0.18(mm)
ICV 180-377581/22		11/04/2021 19:02	1		DB-624 0.18(mm)
ICV 180-377581/20		11/05/2021 13:01	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: CHHP5 Start Date: 11/21/2021 10:32

Analysis Batch Number: 379675 End Date: 11/21/2021 23:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-379675/2		11/21/2021 10:32	1	51121002.D	DB-624 0.18(mm)
CCVIS 180-379675/4		11/21/2021 11:22	1	51121004.D	DB-624 0.18(mm)
ZZZZZ		11/21/2021 11:49	1		DB-624 0.18(mm)
LCS 180-379675/6		11/21/2021 12:14	1	51121006.D	DB-624 0.18(mm)
MB 180-379675/9		11/21/2021 13:30	1	51121009.D	DB-624 0.18(mm)
ZZZZZ		11/21/2021 13:57	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 14:48	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 15:13	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 15:38	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 16:03	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 16:28	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 16:53	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 17:18	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 17:42	1		DB-624 0.18(mm)
ZZZZZ		11/21/2021 18:07	1		DB-624 0.18(mm)
180-130105-8	WG-11201415-111521-SG-008	11/21/2021 18:32	1	51121021.D	DB-624 0.18(mm)
180-130105-1	WG-11201415-111521-DT-001	11/21/2021 18:56	1	51121022.D	DB-624 0.18(mm)
180-130105-2	WG-11201415-111521-SG-002	11/21/2021 19:22	1	51121023.D	DB-624 0.18(mm)
180-130105-3	WG-11201415-111521-DT-003	11/21/2021 19:47	1	51121024.D	DB-624 0.18(mm)
180-130105-4	WG-11201415-111521-SG-004	11/21/2021 20:12	1	51121025.D	DB-624 0.18(mm)
180-130105-5	WG-11201415-111621-DT-005	11/21/2021 20:37	1	51121026.D	DB-624 0.18(mm)
180-130105-6	WG-11201415-111521-SG-006	11/21/2021 21:01	1	51121027.D	DB-624 0.18(mm)
180-130105-12	TB-11201415111521-DT	11/21/2021 21:26	1	51121028.D	DB-624 0.18(mm)
180-130105-10	WG-11201415-111621-SG-010	11/21/2021 21:51	1	51121029.D	DB-624 0.18(mm)
180-130105-10 MS	WG-11201415-111621-SG-010 MS	11/21/2021 22:15	1	51121030.D	DB-624 0.18(mm)
180-130105-10 MSD	WG-11201415-111621-SG-010 MSD	11/21/2021 22:40	1	51121031.D	DB-624 0.18(mm)
180-130105-7	WG-11201415-111621-DT-007	11/21/2021 23:05	1	51121032.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/05/2020 08:58

Analysis Batch Number: 335966 End Date: 11/05/2020 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-335966/1		11/05/2020 08:58	1	6110501.D	DB-624 0.18(mm)
IC 180-335966/9		11/05/2020 10:26	1	6110509.D	DB-624 0.18(mm)
ICIS 180-335966/10		11/05/2020 10:53	1	6110510.D	DB-624 0.18(mm)
IC 180-335966/11		11/05/2020 11:20	1	6110511.D	DB-624 0.18(mm)
IC 180-335966/12		11/05/2020 11:48	1	6110512.D	DB-624 0.18(mm)
IC 180-335966/13		11/05/2020 12:15	1	6110513.D	DB-624 0.18(mm)
IC 180-335966/14		11/05/2020 12:42	1	6110514.D	DB-624 0.18(mm)
IC 180-335966/15		11/05/2020 13:09	1	6110515.D	DB-624 0.18(mm)
IC 180-335966/25		11/05/2020 18:41	1	6110525.D	DB-624 0.18(mm)
ZZZZZ		11/05/2020 19:08	1		DB-624 0.18(mm)
ICV 180-335966/29		11/05/2020 20:31	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/05/2020 08:58

Analysis Batch Number: 335968 End Date: 11/05/2020 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-335968/1		11/05/2020 08:58	1	6110501.D	DB-624 0.18(mm)
IC 180-335968/9		11/05/2020 10:26	1	6110509.D	DB-624 0.18(mm)
ICIS 180-335968/10		11/05/2020 10:53	1	6110510.D	DB-624 0.18(mm)
IC 180-335968/11		11/05/2020 11:20	1	6110511.D	DB-624 0.18(mm)
IC 180-335968/12		11/05/2020 11:48	1	6110512.D	DB-624 0.18(mm)
IC 180-335968/13		11/05/2020 12:15	1	6110513.D	DB-624 0.18(mm)
IC 180-335968/14		11/05/2020 12:42	1	6110514.D	DB-624 0.18(mm)
IC 180-335968/15		11/05/2020 13:09	1	6110515.D	DB-624 0.18(mm)
IC 180-335968/25		11/05/2020 18:41	1	6110525.D	DB-624 0.18(mm)
ZZZZZ		11/05/2020 19:08	1		DB-624 0.18(mm)
ICV 180-335968/29		11/05/2020 20:31	1	6110529.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/26/2021 12:27

Analysis Batch Number: 380188 End Date: 11/26/2021 23:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-380188/1		11/26/2021 12:27	1	61126001.D	DB-624 0.18(mm)
CCVIS 180-380188/2		11/26/2021 13:07	1	61126002.D	DB-624 0.18(mm)
LCS 180-380188/3		11/26/2021 13:36	1	61126003.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 14:05	1		DB-624 0.18(mm)
MB 180-380188/5		11/26/2021 14:33	1	61126005.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 15:02	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 15:31	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 16:01	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 16:31	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 17:01	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 17:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 18:00	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 18:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:00	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:59	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 20:29	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 20:59	1		DB-624 0.18(mm)
180-130105-9	WG-11201415-111621-SG-009	11/26/2021 21:29	1	61126019.D	DB-624 0.18(mm)
180-130105-11	WG-11201415-111621-SG-011	11/26/2021 21:58	1	61126020.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 22:28	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 22:58	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 23:27	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 335968 Batch Start Date: 11/05/20 08:58 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VOA8260INT 00112	VOA8260SURR 00112	VOA8260VOA2ND 00427	VOA8260VOAPRi 00429
BFB 180-335968/1		EPA 624.1		5 mL	5 mL				
IC 180-335968/9		EPA 624.1		5 mL	5 mL	2 uL	1 uL		1 uL
ICIS 180-335968/10		EPA 624.1		5 mL	5 mL	2 uL	2 uL		2 uL
IC 180-335968/11		EPA 624.1		5 mL	5 mL	2 uL	3 uL		3 uL
IC 180-335968/12		EPA 624.1		5 mL	5 mL	2 uL	4 uL		4 uL
IC 180-335968/13		EPA 624.1		5 mL	5 mL	2 uL	7 uL		7 uL
IC 180-335968/14		EPA 624.1		5 mL	5 mL	2 uL	8 uL		8 uL
IC 180-335968/15		EPA 624.1		5 mL	5 mL	2 uL	10 uL		10 uL
IC 180-335968/25		EPA 624.1		5 mL	5 mL	2 uL	0.2 uL		0.2 uL
ICV 180-335968/29		EPA 624.1		5 mL	5 mL	2 uL	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOABFB25 00129	VOAKETONE2ND 00005	VOAKETPRI 00005			
BFB 180-335968/1		EPA 624.1		1 uL					
IC 180-335968/9		EPA 624.1				1 uL			
ICIS 180-335968/10		EPA 624.1				2 uL			
IC 180-335968/11		EPA 624.1				3 uL			
IC 180-335968/12		EPA 624.1				4 uL			
IC 180-335968/13		EPA 624.1				7 uL			
IC 180-335968/14		EPA 624.1				8 uL			
IC 180-335968/15		EPA 624.1				10 uL			
IC 180-335968/25		EPA 624.1				0.8 uL			
ICV 180-335968/29		EPA 624.1			2 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 335968 Batch Start Date: 11/05/20 08:58 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 379675 Batch Start Date: 11/21/21 10:32 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00127
BFB 180-379675/2		EPA 624.1		5 mL	5 mL				
CCVIS 180-379675/4		EPA 624.1		5 mL	5 mL			2 uL	2 uL
LCS 180-379675/6		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-379675/9		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130105-D-8	WG-11201415-1115 21-SG-008	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-1	WG-11201415-1115 21-DT-001	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-2	WG-11201415-1115 21-SG-002	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-3	WG-11201415-1115 21-DT-003	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-4	WG-11201415-1115 21-SG-004	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-5	WG-11201415-1116 21-DT-005	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-6	WG-11201415-1115 21-SG-006	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-A-12	TB-1120141511152 1-DT	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-C-10	WG-11201415-1116 21-SG-010	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-10 MS	WG-11201415-1116 21-SG-010	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-10 MSD	WG-11201415-1116 21-SG-010	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-D-7	WG-11201415-1116 21-DT-007	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00102	VOAVAPRI 00051	
BFB 180-379675/2		EPA 624.1				1 uL			
CCVIS 180-379675/4		EPA 624.1		2 uL	6 uL		2 uL	2 uL	
LCS 180-379675/6		EPA 624.1		2 uL	6 uL		2 uL	2 uL	
MB 180-379675/9		EPA 624.1							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 379675 Batch Start Date: 11/21/21 10:32 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00102	VOAVAPRI 00051	
180-130105-D-8	WG-11201415-111521-SG-008	EPA 624.1	T						
180-130105-D-1	WG-11201415-111521-DT-001	EPA 624.1	T						
180-130105-D-2	WG-11201415-111521-SG-002	EPA 624.1	T						
180-130105-D-3	WG-11201415-111521-DT-003	EPA 624.1	T						
180-130105-D-4	WG-11201415-111521-SG-004	EPA 624.1	T						
180-130105-D-5	WG-11201415-111621-DT-005	EPA 624.1	T						
180-130105-D-6	WG-11201415-111521-SG-006	EPA 624.1	T						
180-130105-A-12	TB-11201415111521-DT	EPA 624.1	T						
180-130105-C-10	WG-11201415-111621-SG-010	EPA 624.1	T						
180-130105-D-10 MS	WG-11201415-111621-SG-010	EPA 624.1	T	2 uL	6 uL		2 uL		
180-130105-D-10 MSD	WG-11201415-111621-SG-010	EPA 624.1	T	2 uL	6 uL		2 uL		
180-130105-D-7	WG-11201415-111621-DT-007	EPA 624.1	T						

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-meoh

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 380188 Batch Start Date: 11/26/21 12:27 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00128
BFB 180-380188/1		EPA 624.1		5 mL	5 mL				
CCVIS 180-380188/2		EPA 624.1		5 mL	5 mL			2 uL	2 uL
LCS 180-380188/3		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-380188/5		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130105-C-9	WG-11201415-111621-SG-009	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130105-B-11	WG-11201415-111621-SG-011	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00103	VOAKETONE2ND 00016	VOAVAPRI 00051
BFB 180-380188/1		EPA 624.1				1 uL			
CCVIS 180-380188/2		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
LCS 180-380188/3		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
MB 180-380188/5		EPA 624.1							
180-130105-C-9	WG-11201415-111621-SG-009	EPA 624.1	T						
180-130105-B-11	WG-11201415-111621-SG-011	EPA 624.1	T						

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-meoh

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job Number: 180-130105-1

SDG No.:

Project: 0018036 Westinghouse

Client Sample ID	Lab Sample ID
WG-11201415-111521-DT-001	180-130105-1
WG-11201415-111521-SG-002	180-130105-2
WG-11201415-111521-DT-003	180-130105-3
WG-11201415-111521-SG-004	180-130105-4
WG-11201415-111621-DT-005	180-130105-5
WG-11201415-111521-SG-006	180-130105-6
WG-11201415-111621-DT-007	180-130105-7
WG-11201415-111521-SG-008	180-130105-8
WG-11201415-111621-SG-009	180-130105-9
WG-11201415-111621-SG-010	180-130105-10
WG-11201415-111621-SG-011	180-130105-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-DT-001 Lab Sample ID: 180-130105-1

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 10:50

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-SG-002 Lab Sample ID: 180-130105-2

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 09:25

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-DT-003 Lab Sample ID: 180-130105-3

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 12:35

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	3.5	10	2.3	ug/L	J		1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-SG-004 Lab Sample ID: 180-130105-4

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 09:25

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	2.9	10	2.3	ug/L	J		1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111621-DT-005 Lab Sample ID: 180-130105-5

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 09:15

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-SG-006 Lab Sample ID: 180-130105-6

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 11:15

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	8.3	10	2.3	ug/L	J		1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111621-DT-007 Lab Sample ID: 180-130105-7

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 10:45

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111521-SG-008 Lab Sample ID: 180-130105-8

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 12:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.65	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	20	4.5	ug/L			2	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111621-SG-009 Lab Sample ID: 180-130105-9

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 12:50

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111621-SG-010 Lab Sample ID: 180-130105-10

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 09:25

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.35	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WG-11201415-111621-SG-011 Lab Sample ID: 180-130105-11

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 10:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6010DCCVHI_00026

Analyte	ICV 180-380176/4 11/24/2021 05:28				ICV 180-380176/5 11/24/2021 05:32				CCV 180-380176/10 11/24/2021 05:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	246		250	98	243		250	97	9750		10000	97

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICV 180-380176/4 11/24/2021 05:28				ICV 180-380176/5 11/24/2021 05:32				CCV 180-380176/11 11/24/2021 06:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	249		250	99	248		250	99	500		500	100
Lead	246		250	98	243		250	97	502		500	100

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/115 11/24/2021 14:13				CCV 180-380176/127 11/24/2021 15:08				CCV 180-380176/139 11/24/2021 16:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	504		500	101	503		500	101	512		500	102
Lead	508		500	102	509		500	102	517		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6010DCCVHI_00026

Analyte	ICVL 180-380176/7 11/24/2021 05:41				CCV 180-380176/10 11/24/2021 05:55							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	8.95	J	10.0	90	9750		10000	97				

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICVL 180-380176/7 11/24/2021 05:41				CCV 180-380176/11 11/24/2021 06:00				CCV 180-380176/115 11/24/2021 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.98	J	5.00	100	500		500	100	504		500	101
Lead	8.95	J	10.0	90	502		500	100	508		500	102

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/127 11/24/2021 15:08				CCV 180-380176/139 11/24/2021 16:04							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	503		500	101	512		500	102				
Lead	509		500	102	517		500	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICV 180-380326/4 11/26/2021 07:57				ICV 180-380326/5 11/26/2021 08:02				CCV 180-380326/11 11/26/2021 08:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	246		250	98	245		250	98	495		500	99
Cadmium	250		250	100	248		250	99	497		500	99

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380326/102 11/26/2021 15:32				CCV 180-380326/111 11/26/2021 16:14							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	485		500	97	475		500	95				
Cadmium	490		500	98	480		500	96				

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICVL 180-380326/7 11/26/2021 08:11				CCV 180-380326/11 11/26/2021 08:31				CCV 180-380326/102 11/26/2021 15:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	10.0		10.0	100	495		500	99	485		500	97
Cadmium	4.87	J	5.00	97	497		500	99	490		500	98

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380326/111 11/26/2021 16:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	475		500	95								
Cadmium	480		500	96								

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 180-380176/6 11/24/2021 05:37		CCB1 180-380176/12 11/24/2021 06:04		CCB10 180-380176/116 11/24/2021 14:17		CCB11 180-380176/128 11/24/2021 15:13	
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	ND		ND		ND		ND	
Lead	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB12 180-380176/140 11/24/2021 16:08							
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	ND							
Lead	10	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 180-380326/6 11/26/2021 08:06		CCB1 180-380326/12 11/26/2021 08:35		CCB9 180-380326/103 11/26/2021 15:37		CCB10 180-380326/112 11/26/2021 16:18	
		Found	C	Found	C	Found	C	Found	C
Lead	10	ND		ND		ND		ND	
Cadmium	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-379791/1-A

Instrument Code: C Batch No.: 380176

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	ND			200.7
7439-92-1	Lead	ND			200.7

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICSA 180-380176/8 Instrument ID: C

Lab File ID: C211124B.asc ICS Source: MICSAICP_00109

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		**0.0200**	
Lead		**0.130**	
Aluminum	*500000*	*499220*	*100*
Antimony		*-5.47*	
Arsenic		*3.08*	
Barium		*13.2*	
Beryllium		*-0.0200*	
Boron		*-3.35*	
Calcium	*500000*	*464940*	*93*
Chromium		*1.28*	
Cobalt		*0.540*	
Copper		*0.830*	
Iron	*200000*	*182120*	*91*
Lithium		*7.56*	
Magnesium	*500000*	*492510*	*99*
Manganese		*0.760*	
Molybdenum		*-1.57*	
Nickel		*5.93*	
Potassium		*107*	
Selenium		*6.92*	
Silicon		*7.15*	
Silver		*-0.260*	
Sodium		*101*	
Strontium		*11.7*	
Thallium		*-7.05*	
Tin		*3.64*	
Titanium		*-0.540*	
Vanadium		*-2.79*	
Zinc		*0.880*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICSAB 180-380176/9 Instrument ID: C

Lab File ID: C211124B.asc ICS Source: M6500ICSAB_00015

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Cadmium	**1000**	**1025**	**103**
Lead	**1000**	**964**	**96**
Aluminum	*500000*	*496670*	*99*
Antimony	*1000*	*951*	*95*
Arsenic	*1000*	*1040*	*104*
Barium	*1000*	*1009*	*101*
Beryllium	*500*	*490*	*98*
Boron	*10000*	*9967*	*100*
Calcium	*500000*	*459560*	*92*
Chromium	*1000*	*961*	*96*
Cobalt	*1000*	*981*	*98*
Copper	*1000*	*1070*	*107*
Iron	*200000*	*180850*	*90*
Lithium	*1000*	*1097*	*110*
Magnesium	*500000*	*492640*	*99*
Manganese	*1000*	*953*	*95*
Molybdenum	*1000*	*907*	*91*
Nickel	*1000*	*969*	*97*
Potassium	*10000*	*10241*	*102*
Selenium	*1000*	*995*	*99*
Silicon	*10000*	*9910*	*99*
Silver	*1000*	*1088*	*109*
Sodium	*10000*	*10360*	*104*
Strontium	*1000*	*949*	*95*
Thallium	*1000*	*906*	*91*
Tin	*1000*	*877*	*88*
Titanium	*1000*	*990*	*99*
Vanadium	*1000*	*953*	*95*
Zinc	*1000*	*886*	*89*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICSA 180-380326/8 Instrument ID: C

Lab File ID: C211126A.asc ICS Source: MICSAICP_00109

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		**-0.550**	
Aluminum	*500000*	*505800*	*101*
Antimony		*-3.49*	
Arsenic		*0.740*	
Barium		*13.2*	
Beryllium		*0.0500*	
Boron		*-3.69*	
Cadmium		*0.0200*	
Calcium	*500000*	*471870*	*94*
Chromium		*1.19*	
Cobalt		*0.520*	
Copper		*0.110*	
Iron	*200000*	*182500*	*91*
Lithium		*6.47*	
Magnesium	*500000*	*500570*	*100*
Manganese		*0.990*	
Molybdenum		*0.0000*	
Nickel		*6.24*	
Potassium		*139*	
Selenium		*5.76*	
Silicon		*-10.6*	
Silver		*0.360*	
Sodium		*171*	
Strontium		*19.7*	
Thallium		*-10.8*	
Tin		*3.24*	
Titanium		*-0.570*	
Vanadium		*0.890*	
Zinc		*0.480*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130105-1

SDG No.:

Lab Sample ID: ICSAB 180-380326/9 Instrument ID: C

Lab File ID: C211126A.asc ICS Source: M6500ICSAB_00015

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Lead	**1000**	**947**	**95**
Aluminum	*500000*	*492330*	*98*
Antimony	*1000*	*955*	*95*
Arsenic	*1000*	*1044*	*104*
Barium	*1000*	*997*	*100*
Beryllium	*500*	*479*	*96*
Boron	*10000*	*10055*	*101*
Cadmium	*1000*	*1026*	*103*
Calcium	*500000*	*461090*	*92*
Chromium	*1000*	*945*	*94*
Cobalt	*1000*	*981*	*98*
Copper	*1000*	*1063*	*106*
Iron	*200000*	*179760*	*90*
Lithium	*1000*	*1076*	*108*
Magnesium	*500000*	*490490*	*98*
Manganese	*1000*	*937*	*94*
Molybdenum	*1000*	*909*	*91*
Nickel	*1000*	*974*	*97*
Potassium	*10000*	*10255*	*103*
Selenium	*1000*	*1007*	*101*
Silicon	*10000*	*9740*	*97*
Silver	*1000*	*1075*	*108*
Sodium	*10000*	*10456*	*105*
Strontium	*1000*	*943*	*94*
Thallium	*1000*	*906*	*91*
Tin	*1000*	*875*	*87*
Titanium	*1000*	*974*	*97*
Vanadium	*1000*	*940*	*94*
Zinc	*1000*	*883*	*88*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: WG-11201415-111621-SG-010 MS Lab ID: 180-130105-10 MS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

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	519		0.35	J	500	104	70-130		EPA 200.7 Rev 4
Lead	506		ND		500	101	70-130		EPA 200.7 Rev 4

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: WG-11201415-111621-SG-010 MSD Lab ID: 180-130105-10 MSD

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Cadmium	512		500	102	70-130	1	20		EPA 200.7 Rev 4
Lead	497		500	99	70-130	2	20		EPA 200.7 Rev 4

SDR = Sample Duplicate Result

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

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-379791/2-A

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

Sample Matrix: Water LCS Source: TA-SPIKE1_00017

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	500	533		107	85	115		EPA 200.7 Rev 4
Lead	500	519		104	85	115		EPA 200.7 Rev 4

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 180-130105-10

SDG No:

Lab Name: Eurofins TestAmerica, Pittsburgh Job No: 180-130105-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	0.35	J	ND		NC		EPA 200.7 Rev 4
Lead	ND		ND		NC		EPA 200.7 Rev 4

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130105-1

SDG Number:

Matrix: Water Instrument ID: C

Method: EPA 200.7 Rev 4 MDL Date: 10/18/2021 09:39

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cadmium	226.502	5	0.33
Lead	220.353	10	2.27

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130105-1

SDG Number:

Matrix: Water Instrument ID: C

Method: EPA 200.7 Rev 4 XMDL Date: 10/18/2021 09:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cadmium	226.502	5	0.33
Lead	220.353	10	2.27

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130105-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum	308.215														
Antimony	217.581		-0.000040										-0.000017		
Arsenic	189.042		0.000034								0.001377				
Barium	455.403														
Beryllium	313.042														
Boron	182.641														
Cadmium	228.802			0.004943											
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	327.396														
Iron	259.940														
Lead	220.353		-0.000095										0.000039		
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604												0.000058		
Potassium	766.490														
Selenium	196.090														
Silicon	251.611														
Silver	328.068														
Sodium	589.592														
Strontium	346.446														
Thallium	190.856														
Tin	189.989														
Titanium	337.280														
Vanadium	290.882												0.000072		
Zinc	206.200										0.000975				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130105-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum	308.215			0.012475											0.028518
Antimony	217.581						-0.000709								0.001934
Arsenic	189.042		-0.000407	0.003427											
Barium	455.403														
Beryllium	313.042														0.000486
Boron	182.641														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616												0.002265		
Copper	327.396														
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090		0.000219												
Silicon	251.611														
Silver	328.068		0.000067												
Sodium	589.592														
Strontium	346.446														
Thallium	190.856		0.000578										-0.000000		-0.004789
Tin	189.989														
Titanium	337.280														
Vanadium	290.882														
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130105-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215														
Antimony	217.581														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														
Boron	182.641														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	327.396														
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	251.611														
Silver	328.068														
Sodium	589.592														
Strontium	346.446														
Thallium	190.856														
Tin	189.989														
Titanium	337.280														
Vanadium	290.882														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins TestAmerica, Pittsbur Job No: 180-130105-1

SDG No.:

Instrument ID: C Date: 09/16/2021 09:33

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Cadmium		5000	EPA 200.7 Rev 4
Lead		25000	EPA 200.7 Rev 4

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-379791/1-A	11/23/2021 10:00	379791		50	50
LCS 180-379791/2-A	11/23/2021 10:00	379791		50	50
180-130105-1	11/23/2021 10:00	379791		50	50
180-130105-2	11/23/2021 10:00	379791		50	50
180-130105-3	11/23/2021 10:00	379791		50	50
180-130105-4	11/23/2021 10:00	379791		50	50
180-130105-5	11/23/2021 10:00	379791		50	50
180-130105-6	11/23/2021 10:00	379791		50	50
180-130105-7	11/23/2021 10:00	379791		50	50
180-130105-8	11/23/2021 10:00	379791		50	50
180-130105-9	11/23/2021 10:00	379791		50	50
180-130105-10	11/23/2021 10:00	379791		50	50
180-130105-10 MS	11/23/2021 10:00	379791		50	50
180-130105-10 MSD	11/23/2021 10:00	379791		50	50
180-130105-11	11/23/2021 10:00	379791		50	50

ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Pb																			
STD1 180-380176/1 IC			05:14	X	X																			
STD2A 180-380176/2 IC			05:19	X	X																			
STD3 180-380176/3 IC			05:23	X	X																			
ICV 180-380176/4	1		05:28	X	X																			
ICV 180-380176/5	1		05:32	X	X																			
ICBIS 180-380176/6	1		05:37	X	X																			
ICVL 180-380176/7	1		05:41	X	X																			
ICSA 180-380176/8	1		05:46	X	X																			
ICSAB 180-380176/9	1		05:51	X	X																			
CCV 180-380176/10	1		05:55	X	X																			
CCV 180-380176/11	1		06:00	X	X																			
CCB1 180-380176/12	1		06:04	X	X																			
ZZZZZZ			06:09																					
ZZZZZZ			06:14																					
ZZZZZZ			06:18																					
ZZZZZZ			06:23																					
ZZZZZZ			06:27																					
ZZZZZZ			06:32																					
ZZZZZZ			06:37																					
ZZZZZZ			06:41																					
ZZZZZZ			06:46																					
ZZZZZZ			06:51																					
CCV 180-380176/23			06:55																					
CCB2 180-380176/24			07:00																					
ZZZZZZ			07:04																					
ZZZZZZ			07:09																					
ZZZZZZ			07:14																					
ZZZZZZ			07:18																					
ZZZZZZ			07:23																					
ZZZZZZ			07:27																					
ZZZZZZ			07:32																					
ZZZZZZ			07:36																					
ZZZZZZ			07:41																					
ZZZZZZ			07:46																					
CCV 180-380176/35			07:50																					
CCB3 180-380176/36			07:55																					
ZZZZZZ			07:59																					
ZZZZZZ			08:04																					
ZZZZZZ			08:09																					
ZZZZZZ			08:13																					
ZZZZZZ			08:18																					
ZZZZZZ			08:22																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Pb																			
ZZZZZZ			08:27																					
ZZZZZZ			08:31																					
ZZZZZZ			08:36																					
ZZZZZZ			08:41																					
CCV 180-380176/47			08:46																					
CCB4 180-380176/48			08:50																					
ZZZZZZ			08:55																					
ZZZZZZ			08:59																					
ZZZZZZ			09:04																					
ZZZZZZ			09:08																					
ZZZZZZ			09:13																					
ZZZZZZ			09:18																					
ZZZZZZ			09:22																					
ZZZZZZ			09:27																					
ZZZZZZ			09:31																					
ZZZZZZ			09:36																					
CCV 180-380176/59			09:40																					
CCB5 180-380176/60			09:45																					
ZZZZZZ			09:49																					
ZZZZZZ			09:54																					
ZZZZZZ			09:59																					
ZZZZZZ			10:03																					
ZZZZZZ			10:08																					
ZZZZZZ			10:12																					
ZZZZZZ			10:17																					
ZZZZZZ			10:22																					
ZZZZZZ			10:26																					
CCV 180-380176/70			10:31																					
CCB6 180-380176/71			10:35																					
ZZZZZZ			10:40																					
ZZZZZZ			10:44																					
ZZZZZZ			10:49																					
ZZZZZZ			10:53																					
ZZZZZZ			10:58																					
ZZZZZZ			11:02																					
ZZZZZZ			11:07																					
ZZZZZZ			11:11																					
ZZZZZZ			11:16																					
CCV 180-380176/81			11:31																					
CCB7 180-380176/82			11:35																					
ZZZZZZ			11:40																					
CCVL 180-380176/84			11:46																					

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Pb																			
ZZZZZZ			11:55																					
ZZZZZZ			12:00																					
ZZZZZZ			12:04																					
ZZZZZZ			12:09																					
ZZZZZZ			12:14																					
ZZZZZZ			12:19																					
ZZZZZZ			12:23																					
ZZZZZZ			12:28																					
CCV 180-380176/93			12:33																					
CCB8 180-380176/94			12:37																					
ZZZZZZ			12:42																					
ZZZZZZ			12:46																					
ZZZZZZ			12:50																					
ZZZZZZ			12:55																					
ZZZZZZ			12:59																					
ZZZZZZ			13:04																					
ZZZZZZ			13:08																					
ZZZZZZ			13:13																					
ZZZZZZ			13:18																					
ZZZZZZ			13:22																					
CCV 180-380176/105			13:26																					
CCB9 180-380176/106			13:31																					
ZZZZZZ			13:35																					
ZZZZZZ			13:40																					
ZZZZZZ			13:44																					
ZZZZZZ			13:49																					
ZZZZZZ			13:54																					
ZZZZZZ			13:58																					
ZZZZZZ			14:03																					
ZZZZZZ			14:08																					
CCV 180-380176/115	1		14:13	X	X																			
CCB10 180-380176/116	1		14:17	X	X																			
ZZZZZZ			14:22																					
CCVL 180-380176/118			14:26																					
MB 180-379791/1-A	1	R	14:31	X	X																			
LCS 180-379791/2-A	1	R	14:36	X	X																			
180-130105-1	1	R	14:40	X	X																			
180-130105-2	1	R	14:45	X	X																			
180-130105-3	1	R	14:49	X	X																			
180-130105-4	1	R	14:54	X	X																			
180-130105-5	1	R	14:59	X	X																			
180-130105-6	1	R	15:04	X	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cd	Pb																		
CCV 180-380176/127	1		15:08	X	X																		
CCB11 180-380176/128	1		15:13	X	X																		
180-130105-7	1	R	15:17	X	X																		
180-130105-8	1	R	15:22	X																			
180-130105-9	1	R	15:27	X	X																		
180-130105-10	1	R	15:32	X	X																		
180-130105-10 SD	5	R	15:36	X	X																		
180-130105-10 MS	1	R	15:41	X	X																		
180-130105-10 MSD	1	R	15:45	X	X																		
180-130105-11	1	R	15:50	X	X																		
ZZZZZZ			15:54																				
ZZZZZZ			15:59																				
CCV 180-380176/139	1		16:04	X	X																		
CCB12 180-380176/140	1		16:08	X	X																		
ZZZZZZ			16:13																				
ZZZZZZ			16:18																				
ZZZZZZ			16:22																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:36																				
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:50																				
ZZZZZZ			16:54																				
CCV 180-380176/151			16:59																				
CCB13 180-380176/152			17:03																				
ZZZZZZ			17:08																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:22																				
ZZZZZZ			17:27																				
ZZZZZZ			17:31																				
ZZZZZZ			17:36																				
ZZZZZZ			17:41																				
ZZZZZZ			17:46																				
CCV 180-380176/162			17:50																				
CCB14 180-380176/163			17:55																				
ZZZZZZ			17:59																				
ZZZZZZ			18:04																				
ZZZZZZ			18:09																				
ZZZZZZ			18:13																				
ZZZZZZ			18:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cd	Pb																		
ZZZZZZ			18:23																				
ZZZZZZ			18:27																				
ZZZZZZ			18:32																				
ZZZZZZ			18:37																				
CCV 180-380176/173			18:41																				
CCB15 180-380176/174			18:46																				
ZZZZZZ			18:50																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:09																				
ZZZZZZ			19:13																				
CCV 180-380176/181			19:18																				
CCB16 180-380176/182			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:36																				
ZZZZZZ			19:40																				
ZZZZZZ			19:45																				
ZZZZZZ			19:49																				
ZZZZZZ			19:54																				
ZZZZZZ			19:58																				
ZZZZZZ			20:02																				
ZZZZZZ			20:07																				
CCV 180-380176/193			20:11																				
CCB17 180-380176/194			20:16																				

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
STD1 180-380326/1 IC			07:44	X																			
STD2A 180-380326/2 IC			07:48	X																			
STD3 180-380326/3 IC			07:52	X																			
ICV 180-380326/4	1		07:57	X																			
ICV 180-380326/5	1		08:02	X																			
ICBIS 180-380326/6	1		08:06	X																			
ICVL 180-380326/7	1		08:11	X																			
ICSA 180-380326/8	1		08:15	X																			
ICSAB 180-380326/9	1		08:22	X																			
ZZZZZZ			08:26																				
CCV 180-380326/11	1		08:31	X																			
CCB1 180-380326/12	1		08:35	X																			
ZZZZZZ			08:40																				
ZZZZZZ			08:44																				
ZZZZZZ			08:49																				
ZZZZZZ			08:53																				
ZZZZZZ			08:58																				
ZZZZZZ			09:02																				
ZZZZZZ			09:07																				
ZZZZZZ			09:11																				
ZZZZZZ			09:16																				
ZZZZZZ			09:20																				
CCV 180-380326/23			09:25																				
CCB2 180-380326/24			09:29																				
ZZZZZZ			09:34																				
CCVL 180-380326/26			09:39																				
ZZZZZZ			09:50																				
ZZZZZZ			09:55																				
ZZZZZZ			09:59																				
ZZZZZZ			10:04																				
ZZZZZZ			10:08																				
ZZZZZZ			10:13																				
ZZZZZZ			10:17																				
CCV 180-380326/34			10:22																				
CCB3 180-380326/35			10:26																				
ZZZZZZ			10:31																				
ZZZZZZ			10:35																				
ZZZZZZ			10:40																				
ZZZZZZ			10:44																				
ZZZZZZ			10:49																				
ZZZZZZ			10:53																				
ZZZZZZ			10:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				Pb																				
ZZZZZZ			11:02																					
ZZZZZZ			11:07																					
CCV 180-380326/45			11:11																					
CCB4 180-380326/46			11:16																					
ZZZZZZ			11:20																					
ZZZZZZ			11:25																					
ZZZZZZ			11:30																					
ZZZZZZ			11:34																					
ZZZZZZ			11:39																					
ZZZZZZ			11:43																					
ZZZZZZ			11:48																					
ZZZZZZ			11:52																					
ZZZZZZ			11:57																					
CCV 180-380326/56			12:01																					
CCB5 180-380326/57			12:06																					
ZZZZZZ			12:10																					
ZZZZZZ			12:15																					
ZZZZZZ			12:20																					
ZZZZZZ			12:24																					
ZZZZZZ			12:29																					
ZZZZZZ			12:33																					
ZZZZZZ			12:38																					
ZZZZZZ			12:43																					
ZZZZZZ			12:47																					
ZZZZZZ			12:52																					
CCV 180-380326/68			12:57																					
CCB6 180-380326/69			13:01																					
ZZZZZZ			13:06																					
ZZZZZZ			13:11																					
ZZZZZZ			13:15																					
ZZZZZZ			13:20																					
ZZZZZZ			13:24																					
ZZZZZZ			13:29																					
ZZZZZZ			13:34																					
ZZZZZZ			13:38																					
CCV 180-380326/78			13:43																					
CCB7 180-380326/79			13:47																					
CCVL 180-380326/80			13:52																					
ZZZZZZ			13:57																					
ZZZZZZ			14:01																					
ZZZZZZ			14:06																					
ZZZZZZ			14:10																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D/F	Type	Time	Analytes																				
				Pb																				
ZZZZZZ			14:15																					
ZZZZZZ			14:19																					
ZZZZZZ			14:24																					
ZZZZZZ			14:29																					
ZZZZZZ			14:33																					
CCV 180-380326/90			14:38																					
CCB8 180-380326/91			14:42																					
ZZZZZZ			14:47																					
ZZZZZZ			14:51																					
ZZZZZZ			14:56																					
ZZZZZZ			15:01																					
ZZZZZZ			15:05																					
ZZZZZZ			15:10																					
ZZZZZZ			15:14																					
ZZZZZZ			15:19																					
ZZZZZZ			15:23																					
ZZZZZZ			15:28																					
CCV 180-380326/102	1		15:32	X																				
CCB9 180-380326/103	1		15:37	X																				
ZZZZZZ			15:42																					
ZZZZZZ			15:46																					
ZZZZZZ			15:50																					
ZZZZZZ			15:55																					
ZZZZZZ			15:59																					
ZZZZZZ			16:04																					
180-130105-8	2	R	16:09	X																				
CCV 180-380326/111	1		16:14	X																				
CCB10 180-380326/112	1		16:18	X																				
ZZZZZZ			16:23																					
ZZZZZZ			16:27																					
ZZZZZZ			16:32																					
ZZZZZZ			16:37																					
ZZZZZZ			16:42																					
ZZZZZZ			16:46																					
CCV 180-380326/119			16:51																					
CCB11 180-380326/120			16:56																					

Prep Types

R = Total Recoverable

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.: Analysis Batch No.: 380176

ICP Instrument ID: C Start Date: 11/24/2021 End Date: 11/24/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 371.030	Q	Element	Q
ICV 180-380176/4	05:28										
ICV 180-380176/5	05:32										
ICBIS 180-380176/6	05:37										
ICVL 180-380176/7	05:41	98		100		98		101			
ICSA 180-380176/8	05:46	75		88		87		97			
ICSAB 180-380176/9	05:51	75		89		86		97			
CCV 180-380176/10	05:55	79		90		89		98			
CCV 180-380176/11	06:00	85		96		94		100			
CCB1 180-380176/12	06:04	100		100		99		101			
CCV 180-380176/115	14:13	85		94		93		98			
CCB10 180-380176/116	14:17	100		100		99		101			
MB 180-379791/1-A	14:31	100		99		99		101			
LCS 180-379791/2-A	14:36	92		97		97		102			
180-130105-1	14:40	71		83		81		95			
180-130105-2	14:45	79		88		87		97			
180-130105-3	14:49	75		86		85		97			
180-130105-4	14:54	79		88		87		97			
180-130105-5	14:59	95		97		97		102			
180-130105-6	15:04	70		82		81		95			
CCV 180-380176/127	15:08	85		94		93		99			
CCB11 180-380176/128	15:13	99		99		99		100			
180-130105-7	15:17	89		94		94		99			
180-130105-8	15:22			78		78		91			
180-130105-9	15:27	84		91		91		98			
180-130105-10	15:32	91		95		95		101			
180-130105-10 SD	15:36	97		98		97		99			
180-130105-10 MS	15:41	87		94		94		101			
180-130105-10 MSD	15:45	87		94		94		99			
180-130105-11	15:50	89		94		94		99			
CCV 180-380176/139	16:04	83		92		91		97			
CCB12 180-380176/140	16:08	98		97		98		98			

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130105-1

SDG No.: Analysis Batch No.: 380326

ICP Instrument ID: C Start Date: 11/26/2021 End Date: 11/26/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 371.030	Q	Element	Q
ICV 180-380326/4	07:57										
ICV 180-380326/5	08:02										
ICBIS 180-380326/6	08:06										
ICVL 180-380326/7	08:11	100		102		98		99			
ICSA 180-380326/8	08:15	76		89		85		95			
ICSAB 180-380326/9	08:22	76		89		87		98			
CCV 180-380326/11	08:31	85		96		93		98			
CCB1 180-380326/12	08:35	102		102		100		100			
CCV 180-380326/102	15:32	87		98		96		102			
CCB9 180-380326/103	15:37	103		104		102		102			
180-130105-8	16:09	77		89		85		95			
CCV 180-380326/111	16:14	88		100		96		100			
CCB10 180-380326/112	16:18	105		106		102		101			

Sample Name: STD1 Acquired: 11/24/2021 5:14:42 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00013**	**.00086**	**.00020**	**.00021**	**.00437**	**-.00117**
Stddev	.00010	.00038	.00022	.00006	.00022	.00020
%RSD	76.911	43.669	105.35	29.290	4.9522	16.805
#1	-.00020	.00051	.00016	.00027	.00459	-.00122
#2	-.00002	.00126	.00044	.00020	.00416	-.00095
#3	-.00017	.00081	.00001	.00015	.00435	-.00133

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00703**	**.00039**	**.00059**	**.00002**	**-.00299**	**.00066**
Stddev	.00012	.00035	.00075	.00003	.00016	.00015
%RSD	1.7251	90.568	126.29	132.40	5.3994	22.413
#1	.00693	.00066	.00082	-.00000	-.00317	.00083
#2	.00717	.00052	.00121	.00001	-.00286	.00060
#3	.00700	-.00001	-.00024	.00006	-.00295	.00055

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01162**	**.00410**	**-.00021**	**.00018**	**.00045**	**.02807**
Stddev	.00275	.00172	.00024	.00002	.00007	.00050
%RSD	23.642	41.814	116.07	11.828	16.029	1.7780
#1	.01450	.00476	-.00038	.00019	.00053	.02865
#2	.01132	.00540	-.00030	.00015	.00042	.02777
#3	.00903	.00216	.00007	.00019	.00040	.02780

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00234**	**-.00004**	**-.00032**	**.00035**	**.00054**	**.00051**
Stddev	.00047	.00037	.00014	.00013	.00016	.00009
%RSD	20.150	885.01	42.641	36.153	29.272	17.446
#1	.00245	-.00046	-.00036	.00045	.00037	.00060
#2	.00183	.00025	-.00044	.00038	.00068	.00050
#3	.00275	.00008	-.00017	.00021	.00057	.00043

Sample Name: STD1 Acquired: 11/24/2021 5:14:42 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00034**	**.00026**	**-.00086**	**-.00035**	**.00128**
Stddev	.00064	.00002	.00014	.00030	.00010
%RSD	188.16	8.8009	15.869	87.918	7.9534
#1	-.00097	.00024	-.00093	-.00023	.00129
#2	.00031	.00024	-.00095	-.00012	.00118
#3	-.00036	.00028	-.00070	-.00069	.00138

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2125.6**	**3771.1**	**55610.**	**4751.7**
Stddev	5.9	3.3	301.	26.3
%RSD	.27781	.08644	.54173	.55446
#1	2125.2	3769.0	55319.	4763.6
#2	2119.8	3769.5	55920.	4721.5
#3	2131.6	3774.9	55592.	4770.1

Sample Name: STD2A Acquired: 11/24/2021 5:19:21 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	As	B_	Ba	Be	Cd
Line	328.068 {103}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}	228.802 {447}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.62307**	**.07266**	**1.2202**	**19.550**	**14.559**	**2.2469**
Stddev	.00213	.00031	.0013	.013	.026	.0035
%RSD	.34166	.42421	.10896	.06685	.18068	.15428
#1	.62510	.07237	1.2187	19.546	14.563	2.2430
#2	.62326	.07298	1.2212	19.565	14.530	2.2496
#3	.62086	.07262	1.2207	19.540	14.582	2.2481

Elem	Co	Cr	Cu	Li	Mn	Mo
Line	228.616 {447}	267.716 {126}	327.396 {103}	670.784 { 50}	257.610 {131}	202.030 {467}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.4773**	**.58671**	**.80243**	**7.1661**	**4.4262**	**2.6613**
Stddev	.0127	.00083	.00269	.0109	.0071	.0075
%RSD	.16933	.14164	.33580	.15214	.15967	.28054
#1	7.4632	.58766	.80540	7.1722	4.4343	2.6528
#2	7.4877	.58637	.80174	7.1727	4.4218	2.6669
#3	7.4809	.58610	.80014	7.1535	4.4224	2.6642

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.2765**	**.40972**	**.13780**	**.06427**	**.12712**	**.89880**
Stddev	.0077	.00054	.00024	.00015	.00079	.00143
%RSD	.23484	.13159	.17564	.22585	.61839	.15869
#1	3.2683	.40931	.13754	.06417	.12650	.89724
#2	3.2835	.41033	.13802	.06421	.12686	.89913
#3	3.2779	.40953	.13784	.06444	.12801	.90004

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.38819**	**2.5258**	**.39615**	**.39404**	**3.3593**
Stddev	.00207	.0051	.00056	.00043	.0073
%RSD	.53235	.20213	.14210	.10968	.21721
#1	.38744	2.5316	.39559	.39444	3.3521
#2	.38660	2.5237	.39615	.39358	3.3592
#3	.39053	2.5221	.39672	.39410	3.3667

Sample Name: STD2A Acquired: 11/24/2021 5:19:21 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2015.3**	**3710.3**	**55346.**	**4869.1**
Stddev	6.1	9.8	162.	29.1
%RSD	.30338	.26431	.29189	.59698
#1	2021.7	3720.8	55161.	4864.5
#2	2009.5	3701.4	55422.	4900.2
#3	2014.8	3708.6	55456.	4842.7

Sample Name: STD3 Acquired: 11/24/2021 5:23:37 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al	Ca	Fe	K_	Mg	Na
Line	308.215 {109}	317.933 {106}	259.940 {130}	766.490 { 44}	279.079 {121}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.98344**	**10.085**	**4.2422**	**17.162**	**.94139**	**61.908**
Stddev	.00593	.039	.0263	.139	.00530	.860
%RSD	.60340	.38999	.62082	.80773	.56349	1.3891
#1	.98101	10.081	4.2352	17.117	.94059	62.562
#2	.99020	10.126	4.2714	17.317	.94705	60.934
#3	.97910	10.048	4.2201	17.051	.93653	62.228

Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	**4558.0**
Stddev	23.4
%RSD	.51335
#1	4534.9
#2	4557.4
#3	4581.7

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:28:24 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49235**	**12.147**	**.25711**	**1.0039**	**.98825**	**.99675**
Stddev	.00064	.097	.00240	.0052	.00305	.00765
%RSD	.13071	.79632	.93165	.52041	.30815	.76771
#1	.49178	12.175	.25481	.99994	.98918	.99319
#2	.49304	12.227	.25694	1.0018	.99073	1.0055
#3	.49222	12.039	.25959	1.0098	.98485	.99153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.602**	**.24871**	**.98958**	**.98504**	**.97100**	**12.416**
Stddev	.013	.00089	.00318	.00235	.00282	.108
%RSD	.05201	.35817	.32121	.23852	.29060	.86891
#1	24.617	.24776	.98882	.98671	.96793	12.406
#2	24.596	.24884	.98685	.98605	.97348	12.528
#3	24.593	.24953	.99307	.98235	.97158	12.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.663**	**1.0051**	**24.120**	**.98209**	**.95398**	**48.120**
Stddev	.398	.0033	.103	.00099	.00373	.312
%RSD	.83585	.32731	.42576	.10099	.39147	.64749
#1	47.542	1.0060	24.038	.98094	.95115	48.142
#2	48.109	1.0078	24.235	.98269	.95259	48.419
#3	47.340	1.0014	24.085	.98262	.95821	47.798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:28:24 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98821**	**.24560**	**.24851**	**.24584**	F **1.1959**	**.95015**
Stddev	.00341	.00065	.00138	.00185	.0109	.00285
%RSD	.34517	.26590	.55393	.75285	.90858	.29964
#1	.98665	.24564	.24839	.24668	1.2010	.94723
#2	.98585	.24624	.24720	.24713	1.2033	.95030
#3	.99212	.24493	.24994	.24372	1.1834	.95291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98929**	**.98135**	**.49597**	**.98615**	**.97958**
Stddev	.00757	.00179	.00077	.00245	.00199
%RSD	.76566	.18189	.15511	.24848	.20287
#1	.98475	.98098	.49509	.98480	.97967
#2	.99803	.98329	.49627	.98898	.97755
#3	.98508	.97978	.49654	.98468	.98152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1907.3**	**3655.4**	**53636.**	**4704.5**
Stddev	5.5	8.9	48.	10.8
%RSD	.29075	.24384	.08914	.22944
#1	1905.2	3656.1	53690.	4706.2
#2	1913.6	3663.9	53599.	4692.9
#3	1903.1	3646.1	53619.	4714.3

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:32:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49072**	**12.105**	**.25660**	**1.0006**	**.98745**	**1.0024**
Stddev	.00498	.135	.00064	.0033	.00823	.0086
%RSD	1.0143	1.1118	.24806	.33051	.83310	.85675
#1	.49622	12.092	.25692	.99844	.98331	.99508
#2	.48939	11.978	.25702	1.0044	.98211	1.0002
#3	.48654	12.246	.25587	.99894	.99693	1.0118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.623**	**.24836**	**.98593**	**.98722**	**.96691**	**12.484**
Stddev	.203	.00089	.00478	.00593	.00901	.104
%RSD	.82574	.35820	.48496	.60091	.93150	.83601
#1	24.470	.24759	.98261	.99325	.97646	12.409
#2	24.546	.24934	.99141	.98139	.96572	12.439
#3	24.854	.24817	.98377	.98702	.95857	12.603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.873**	**1.0054**	**24.216**	**.97877**	**.95266**	**48.388**
Stddev	.334	.0083	.297	.00483	.00396	.261
%RSD	.69832	.82314	1.2258	.49308	.41536	.53865
#1	47.618	.99996	23.984	.98422	.94875	48.221
#2	47.750	1.0013	24.113	.97504	.95666	48.253
#3	48.252	1.0149	24.550	.97706	.95258	48.688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:32:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98377**	**.24314**	**.24673**	**.24102**	F **1.2191**	**.94593**
Stddev	.00413	.00166	.00164	.00140	.0121	.00281
%RSD	.41986	.68273	.66550	.58218	.99167	.29654
#1	.98205	.24368	.24628	.24256	1.2271	.94337
#2	.98848	.24127	.24855	.23981	1.2052	.94893
#3	.98078	.24446	.24537	.24070	1.2251	.94549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98660**	**.98212**	**.49671**	**.99023**	**.97544**
Stddev	.00905	.00515	.00202	.00795	.00398
%RSD	.91759	.52484	.40606	.80327	.40789
#1	.99015	.98797	.49502	.98253	.97318
#2	.97631	.97824	.49894	.98975	.98003
#3	.99333	.98014	.49617	.99842	.97310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1908.6**	**3654.1**	**53743.**	**4693.8**
Stddev	6.4	10.2	218.	44.3
%RSD	.33794	.27897	.40575	.94464
#1	1910.1	3659.2	53492.	4736.9
#2	1901.5	3642.4	53860.	4696.2
#3	1914.2	3660.7	53878.	4648.3

Sample Name: ICBIS Acquired: 11/24/2021 5:37:08 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00679**	**.00058**	**.00198**	**.00017**	**-.00004**
Stddev	.00048	.00669	.00104	.00039	.00016	.00002
%RSD	560.42	98.591	177.88	19.567	93.951	37.197
#1	-.00042	.00049	-.00060	.00173	.00004	-.00002
#2	.00055	-.00819	.00101	.00178	.00013	-.00005
#3	.00013	-.01267	.00134	.00242	.00035	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00249**	**.00004**	**.00001**	**.00044**	**.00031**	**.00126**
Stddev	.00510	.00004	.00008	.00044	.00040	.00274
%RSD	204.28	103.64	629.70	99.591	128.62	216.84
#1	.00068	.00008	.00007	.00036	.00018	-.00031
#2	.00021	.00001	.00005	.00091	-.00001	.00443
#3	-.00837	.00002	-.00008	.00004	.00075	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05629**	**.00165**	**.00053**	**-.00004**	**.00331**	**.01018**
Stddev	.02104	.00072	.03792	.00006	.00035	.00101
%RSD	37.375	43.794	7183.3	170.79	10.669	9.9145
#1	.05079	.00191	-.02152	-.00011	.00372	.00903
#2	.07953	.00222	.04431	-.00002	.00310	.01058
#3	.03855	.00084	-.02121	.00001	.00311	.01093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 11/24/2021 5:37:08 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00064**	**.00119**	**.00040**	**.00594**	**-.00063**
Stddev	.00022	.00033	.00072	.00094	.00885	.00082
%RSD	190.95	52.235	60.423	234.35	148.88	129.24
#1	.00031	-.00085	.00143	.00144	.01434	-.00036
#2	.00017	-.00025	.00176	-.00038	.00678	-.00155
#3	-.00013	-.00081	.00038	.00014	-.00329	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00299**	**.00012**	**.00166**	**.00164**	**-.00005**
Stddev	.00476	.00008	.00067	.00469	.00012
%RSD	158.94	66.558	40.453	285.76	265.52
#1	.00077	.00003	.00167	.00694	-.00002
#2	-.00834	.00019	.00233	-.00199	.00006
#3	-.00141	.00014	.00099	-.00002	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.5**	**3750.8**	**56122.**	**4756.3**
Stddev	5.2	6.1	55.	29.8
%RSD	.24363	.16216	.09726	.62682
#1	2113.8	3743.8	56082.	4742.7
#2	2115.2	3753.6	56099.	4790.5
#3	2123.4	3755.0	56184.	4735.8

Sample Name: ICVL 4543482 Acquired: 11/24/2021 5:41:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**.17664**	**.01017**	**.20321**	**.20029**	**.00408**
Stddev	.00026	.00566	.00153	.00084	.00098	.00010
%RSD	4.9245	3.2050	15.054	.41485	.49174	2.4364
#1	.00548	.17456	.01110	.20403	.19929	.00397
#2	.00506	.17231	.01100	.20326	.20126	.00415
#3	.00555	.18305	.00840	.20234	.20034	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0149**	**.00498**	**.04843**	**.00523**	**.02574**	**.10076**
Stddev	.0286	.00012	.00013	.00019	.00015	.00332
%RSD	.57028	2.4562	.27118	3.6189	.57512	3.2900
#1	4.9824	.00505	.04855	.00531	.02570	.09851
#2	5.0365	.00506	.04829	.00501	.02591	.09921
#3	5.0257	.00484	.04846	.00537	.02562	.10457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7563**	**.05055**	**5.0004**	**.01537**	**.04029**	**4.7466**
Stddev	.0363	.00044	.0413	.00020	.00023	.0249
%RSD	.76376	.86466	.82515	1.2730	.56030	.52500
#1	4.7946	.05008	4.9632	.01555	.04005	4.7294
#2	4.7518	.05094	4.9931	.01516	.04031	4.7352
#3	4.7223	.05063	5.0448	.01540	.04050	4.7752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4543482 Acquired: 11/24/2021 5:41:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03925**	**.00895**	**.01195**	**.00782**	**.59466**	**.09792**
Stddev	.00027	.00078	.00303	.00306	.02065	.00056
%RSD	.68683	8.7245	25.371	39.067	3.4733	.57546
#1	.03956	.00918	.00938	.00824	.57782	.09730
#2	.03910	.00808	.01119	.00458	.61771	.09840
#3	.03908	.00960	.01530	.01065	.58845	.09807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04463**	**.05064**	**.02029**	**.05421**	**.02022**
Stddev	.00625	.00036	.00105	.00091	.00014
%RSD	13.996	.71170	5.1613	1.6846	.68672
#1	.03764	.05060	.02149	.05393	.02013
#2	.04655	.05030	.01983	.05523	.02014
#3	.04968	.05102	.01955	.05346	.02038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2074.9**	**3733.0**	**55226.**	**4811.0**
Stddev	5.0	4.3	367.	23.6
%RSD	.24179	.11536	.66470	.48982
#1	2070.4	3732.8	55045.	4837.2
#2	2080.3	3737.4	55649.	4804.5
#3	2073.9	3728.8	54985.	4791.4

Sample Name: ICSA 4540660 Acquired: 11/24/2021 5:46:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**499.22**	**.00308**	**-.00335**	**.01317**	**-.00002**
Stddev	.00066	.99	.00265	.00067	.00021	.00008
%RSD	254.39	.19880	86.054	19.963	1.6051	313.68
#1	-.00047	499.32	.00418	-.00307	.01332	.00003
#2	-.00079	498.19	.00006	-.00412	.01325	.00001
#3	.00048	500.16	.00500	-.00287	.01293	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**464.94**	**.00002**	**.00054**	**.00128**	**.00083**	**182.12**
Stddev	2.94	.00016	.00050	.00024	.00091	.87
%RSD	.63169	870.47	92.225	18.842	109.04	.47779
#1	462.46	-.00015	.00106	.00105	.00083	181.82
#2	464.19	.00004	.00049	.00153	-.00007	181.44
#3	468.19	.00016	.00007	.00127	.00175	183.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10737**	**.00756**	**492.51**	**.00076**	**-.00157**	**.10092**
Stddev	.01289	.00230	2.45	.00007	.00097	.00948
%RSD	12.001	30.485	.49788	9.6556	61.840	9.3913
#1	.10432	.00971	491.38	.00072	-.00051	.09915
#2	.09628	.00783	490.83	.00084	-.00180	.09245
#3	.12151	.00513	495.33	.00072	-.00241	.11116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4540660 Acquired: 11/24/2021 5:46:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00593**	**.00013**	**-.00547**	**.00692**	**.00715**	**.00364**
Stddev	.00047	.00144	.00406	.00311	.02121	.00052
%RSD	7.8430	1077.7	74.222	44.906	296.57	14.336
#1	.00571	.00173	-.00119	.00514	.02737	.00357
#2	.00647	-.00107	-.00596	.01050	-.01493	.00419
#3	.00562	-.00025	-.00927	.00511	.00902	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01174**	**-.00054**	**-.00705**	**-.00279**	**.00088**
Stddev	.00301	.00013	.00172	.00825	.00033
%RSD	25.636	23.895	24.412	295.99	37.415
#1	.01330	-.00067	-.00745	.00532	.00105
#2	.01366	-.00041	-.00853	-.01117	.00050
#3	.00827	-.00056	-.00516	-.00252	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1597.0**	**3307.0**	**48659.**	**4633.7**
Stddev	2.7	4.3	81.	24.7
%RSD	.17026	.12997	.16637	.53311
#1	1598.9	3303.4	48569.	4655.2
#2	1593.9	3305.8	48684.	4639.2
#3	1598.1	3311.7	48726.	4606.7

Sample Name: ICSAB 4504561 Acquired: 11/24/2021 5:51:18 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0878**	**496.67**	**1.0400**	**9.9667**	**1.0087**	**.48971**
Stddev	.0015	2.48	.0083	.0241	.0056	.00362
%RSD	.14163	.49925	.79376	.24159	.56054	.73979
#1	1.0894	495.76	1.0418	9.9701	1.0058	.48815
#2	1.0864	494.78	1.0473	9.9889	1.0051	.48713
#3	1.0876	499.48	1.0310	9.9411	1.0152	.49385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**459.56**	**1.0252**	**.98093**	**.96070**	**1.0698**	**180.85**
Stddev	5.61	.0028	.00261	.00525	.0044	1.34
%RSD	1.2210	.27459	.26557	.54675	.40966	.74125
#1	455.08	1.0255	.98245	.96676	1.0739	180.77
#2	457.74	1.0278	.98241	.95776	1.0652	179.55
#3	465.85	1.0222	.97792	.95757	1.0704	182.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.241**	**1.0966**	**492.64**	**.95291**	**.90745**	**10.360**
Stddev	.079	.0036	3.30	.00459	.00235	.091
%RSD	.76914	.33028	.66924	.48151	.25854	.87787
#1	10.190	1.0950	490.80	.95821	.90773	10.320
#2	10.201	1.0940	490.67	.95026	.90964	10.296
#3	10.332	1.1007	496.45	.95027	.90497	10.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4504561 Acquired: 11/24/2021 5:51:18 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96943**	**.96437**	**.95054**	**.99487**	**9.9102**	**.87703**
Stddev	.00362	.00473	.00311	.00665	.1100	.00050
%RSD	.37345	.49048	.32714	.66806	1.1097	.05725
#1	.96881	.95983	.95121	.99908	9.8397	.87661
#2	.97332	.96927	.95326	.99833	9.8539	.87758
#3	.96616	.96402	.94715	.98721	10.037	.87689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94912**	**.98963**	**.90552**	**.95310**	**.88649**
Stddev	.01276	.00370	.00632	.00458	.00288
%RSD	1.3439	.37392	.69807	.48023	.32446
#1	.95396	.99361	.91280	.94900	.88589
#2	.93466	.98897	.90140	.95804	.88962
#3	.95876	.98630	.90237	.95225	.88396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1592.3**	**3323.8**	**48323.**	**4623.9**
Stddev	3.1	7.4	119.	36.2
%RSD	.19603	.22274	.24535	.78349
#1	1593.8	3327.8	48192.	4660.7
#2	1588.7	3315.3	48356.	4622.7
#3	1594.4	3328.4	48422.	4588.3

Sample Name: CCVHI 4493023 Acquired: 11/24/2021 5:55:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**300.43**	**.00631**	**.00376**	**10.052**	**.00006**
Stddev	.00013	2.00	.00170	.00039	.072	.00014
%RSD	133.97	.66706	26.980	10.515	.71169	226.39
#1	.00019	298.80	.00816	.00378	10.003	.00020
#2	-.00005	299.83	.00594	.00414	10.020	.00007
#3	.00015	302.67	.00482	.00335	10.134	-.00008
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**288.92**	**-.00026**	**-.00265**	**9.6948**	**10.820**	**233.07**
Stddev	1.77	.00018	.00026	.0177	.057	1.78
%RSD	.61329	70.293	9.8278	.18266	.52457	.76584
#1	288.18	-.00028	-.00294	9.7016	10.827	231.95
#2	287.64	-.00007	-.00244	9.7082	10.761	232.13
#3	290.94	-.00043	-.00256	9.6747	10.874	235.13
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07771**	**.00540**	**300.90**	**9.1253**	**-.00012**	**.10452**
Stddev	.04189	.00033	2.64	.0402	.00035	.00709
%RSD	53.908	6.1626	.87852	.44097	281.46	6.7873
#1	.11349	.00568	299.94	9.1347	-.00046	.09655
#2	.03163	.00550	298.88	9.1600	.00023	.10688
#3	.08802	.00503	303.89	9.0812	-.00013	.11014
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CCVHI 4493023 Acquired: 11/24/2021 5:55:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**9.7467**	**-.00207**	**.00206**	**10.120**	**.00199**
Stddev	.00068	.1202	.00470	.00373	.110	.00067
%RSD	18.567	1.2330	226.46	180.48	1.0888	33.766
#1	.00431	9.8854	-.00724	.00293	10.048	.00275
#2	.00366	9.6764	-.00091	-.00202	10.064	.00146
#3	.00296	9.6782	.00193	.00528	10.246	.00176
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	**-.00010**	**-.00383**	**.00545**	**9.2228**
Stddev	.00597	.00012	.00380	.00141	.1144
%RSD	35.095	126.55	99.342	25.949	1.2401
#1	.01408	-.00020	-.00587	.00608	9.3540
#2	.01305	.00004	.00056	.00644	9.1443
#3	.02386	-.00013	-.00618	.00383	9.1700
Check ?	None	None	None	None	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1680.3**	**3376.3**	**50118.**	**4652.9**
Stddev	19.8	34.6	32.	26.8
%RSD	1.1800	1.0241	.06433	.57674
#1	1657.4	3336.5	50082.	4660.1
#2	1691.8	3398.5	50143.	4675.3
#3	1691.8	3394.0	50131.	4623.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:00:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99324**	**24.194**	**.49880**	**1.9948**	**1.9335**	**1.9848**
Stddev	.00385	.158	.00431	.0164	.0081	.0106
%RSD	.38767	.65141	.86498	.82394	.41993	.53631
#1	.98904	24.014	.50361	2.0135	1.9241	1.9737
#2	.99407	24.310	.49751	1.9885	1.9387	1.9950
#3	.99661	24.257	.49527	1.9825	1.9376	1.9857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.791**	**.50007**	**2.0210**	**1.9396**	**1.9455**	**24.340**
Stddev	.297	.00346	.0194	.0034	.0056	.138
%RSD	.60873	.69092	.95878	.17369	.28799	.56610
#1	48.468	.50369	2.0429	1.9360	1.9392	24.196
#2	49.052	.49971	2.0138	1.9426	1.9473	24.471
#3	48.854	.49681	2.0062	1.9404	1.9499	24.353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.12**	**2.0209**	**47.905**	**1.9163**	**1.9344**	**120.35**
Stddev	.56	.0105	.325	.0039	.0096	.52
%RSD	.47670	.52173	.67921	.20132	.49787	.43157
#1	117.52	2.0087	47.596	1.9120	1.9450	119.76
#2	118.63	2.0273	48.245	1.9195	1.9319	120.72
#3	118.21	2.0266	47.874	1.9174	1.9263	120.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:00:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0137**	**.50244**	**.49095**	**.49162**	**1.9599**	**1.8719**
Stddev	.0200	.00456	.00434	.00209	.0125	.0147
%RSD	.99254	.90816	.88470	.42494	.63655	.78746
#1	2.0366	.50771	.49360	.49249	1.9686	1.8890
#2	2.0047	.49963	.49331	.49314	1.9654	1.8634
#3	1.9997	.49999	.48594	.48924	1.9456	1.8635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9367**	**1.9575**	**.96225**	**1.9733**	**1.9425**
Stddev	.0139	.0040	.00197	.0148	.0162
%RSD	.71671	.20628	.20436	.74812	.83384
#1	1.9208	1.9535	.96432	1.9578	1.9607
#2	1.9466	1.9616	.96203	1.9872	1.9371
#3	1.9426	1.9573	.96041	1.9748	1.9297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1804.3**	**3595.3**	**52941.**	**4740.0**
Stddev	14.7	22.7	284.	38.9
%RSD	.81668	.63094	.53611	.82123
#1	1787.6	3570.2	53265.	4777.6
#2	1809.5	3601.4	52738.	4699.9
#3	1815.6	3614.3	52819.	4742.5

Sample Name: CCB1 Acquired: 11/24/2021 6:04:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00113**	**.00001**	**.00449**	**.00013**	**-.00008**
Stddev	.00041	.02352	.00051	.00014	.00011	.00005
%RSD	2599.1	2073.6	5341.1	3.0853	87.939	65.064
#1	-.00049	-.02308	.00033	.00437	.00015	-.00013
#2	.00029	.02369	.00028	.00465	.00001	-.00004
#3	.00015	-.00401	-.00058	.00446	.00023	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**.00006**	**.00007**	**.00037**	**.00036**	**.00079**
Stddev	.00268	.00010	.00011	.00050	.00035	.00157
%RSD	104.87	154.77	149.88	137.44	96.103	199.54
#1	-.00427	-.00003	.00007	-.00017	.00067	.00207
#2	.00053	.00005	.00018	.00043	-.00001	.00125
#3	-.00394	.00016	-.00003	.00083	.00042	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09666**	**.00195**	**.00119**	**.00001**	**.00467**	**.01267**
Stddev	.01642	.00126	.02497	.00001	.00065	.00556
%RSD	16.987	64.599	2095.6	71.816	13.923	43.896
#1	.07771	.00053	.02767	.00001	.00535	.01901
#2	.10659	.00294	-.02194	.00000	.00460	.01033
#3	.10569	.00239	-.00216	.00002	.00406	.00865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 11/24/2021 6:04:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00077**	**.00061**	**-.00267**	**.01014**	**-.00094**
Stddev	.00041	.00231	.00044	.00182	.00384	.00069
%RSD	471.06	301.53	71.268	68.194	37.910	73.101
#1	.00013	-.00161	.00077	-.00425	.00607	-.00050
#2	-.00034	-.00253	.00012	-.00309	.01371	-.00173
#3	.00047	.00185	.00095	-.00068	.01064	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**.00030**	**.00139**	**-.00127**	**.00019**
Stddev	.00348	.00001	.00073	.00480	.00020
%RSD	137.95	2.6246	52.846	378.56	105.62
#1	-.00317	.00031	.00171	-.00367	.00026
#2	-.00564	.00030	.00055	.00426	-.00004
#3	.00123	.00029	.00191	-.00440	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.7**	**3757.1**	**55683.**	**4781.7**
Stddev	5.5	11.6	747.	37.9
%RSD	.25762	.30836	1.3419	.79183
#1	2111.8	3744.0	54823.	4800.3
#2	2118.6	3761.0	56172.	4738.1
#3	2122.6	3766.2	56054.	4806.6

Sample Name: MB 180-379945/1-A Acquired: 11/24/2021 6:09:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.01982**	**.00033**	**.00336**	**-.00004**	**-.00007**
Stddev	.00048	.00612	.00293	.00077	.00020	.00011
%RSD	51289.	30.888	900.64	22.831	461.22	164.79
#1	.00014	-.02413	.00041	.00372	.00015	-.00011
#2	.00039	-.01281	-.00264	.00389	-.00026	.00006
#3	-.00054	-.02253	.00321	.00248	-.00002	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00015**	**.00010**	**.00022**	**.00006**	**.00131**
Stddev	.00435	.00004	.00012	.00024	.00036	.00113
%RSD	671.83	29.033	115.35	108.81	608.42	86.037
#1	.00177	.00010	-.00002	-.00004	.00047	.00086
#2	.00433	.00015	.00012	.00026	-.00010	.00048
#3	-.00415	.00019	.00022	.00042	-.00019	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06171**	**.00168**	**-.03525**	**-.00001**	**.00181**	**-.01112**
Stddev	.04763	.00138	.00837	.00002	.00032	.00501
%RSD	77.180	82.133	23.734	234.83	17.576	45.034
#1	.10315	.00231	-.04098	.00000	.00205	-.01079
#2	.07230	.00264	-.02565	.00000	.00145	-.00629
#3	.00968	.00010	-.03911	-.00003	.00194	-.01629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379945/1-A Acquired: 11/24/2021 6:09:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00065**	**.00061**	**-.00289**	**.00849**	**-.00105**
Stddev	.00022	.00061	.00181	.00251	.00692	.00045
%RSD	113.76	94.195	297.54	86.792	81.505	42.521
#1	-.00003	-.00084	.00226	-.00530	.00082	-.00145
#2	.00041	-.00114	.00088	-.00306	.01038	-.00057
#3	.00020	.00004	-.00132	-.00030	.01427	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00354**	**.00013**	**-.00083**	**.00109**	**-.00009**
Stddev	.00707	.00017	.00159	.00536	.00007
%RSD	200.04	129.27	192.18	492.71	77.924
#1	-.00124	.00030	-.00259	-.00199	-.00015
#2	-.01147	-.00003	.00051	-.00203	-.00010
#3	.00210	.00012	-.00041	.00727	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2115.1**	**3767.9**	**55702.**	**4834.1**
Stddev	5.2	5.5	434.	33.8
%RSD	.24558	.14495	.77991	.69831
#1	2110.0	3761.6	55966.	4795.2
#2	2115.0	3771.0	55200.	4852.4
#3	2120.4	3771.2	55938.	4854.8

Sample Name: LCS 180-379945/2-A Acquired: 11/24/2021 6:14:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25145**	**5.0670**	**1.0492**	**1.3643**	**1.0019**	**.51442**
Stddev	.00059	.0352	.0014	.0047	.0063	.00403
%RSD	.23659	.69534	.13495	.34576	.62949	.78397
#1	.25081	5.0955	1.0508	1.3654	.99917	.51361
#2	.25198	5.0779	1.0485	1.3684	1.0091	.51880
#3	.25157	5.0276	1.0482	1.3592	.99740	.51086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.452**	**.50836**	**.50197**	**.49577**	**.50265**	**5.1097**
Stddev	.150	.00191	.00121	.00096	.00209	.0352
%RSD	.59004	.37571	.24082	.19314	.41529	.68977
#1	25.425	.50759	.50323	.49612	.50276	5.1127
#2	25.613	.51054	.50081	.49468	.50467	5.1434
#3	25.317	.50696	.50188	.49650	.50050	5.0731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.705**	**.51751**	**24.852**	**.49390**	**.49350**	**25.224**
Stddev	.193	.00339	.242	.00111	.00127	.223
%RSD	.78082	.65439	.97230	.22454	.25720	.88304
#1	24.658	.51570	24.944	.49486	.49255	25.222
#2	24.917	.52142	25.035	.49415	.49494	25.448
#3	24.540	.51542	24.578	.49268	.49301	25.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379945/2-A Acquired: 11/24/2021 6:14:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49799**	**.48778**	**.24691**	**1.0329**	**1.0543**	**.97047**
Stddev	.00092	.00214	.00075	.0052	.0098	.00121
%RSD	.18427	.43861	.30357	.50190	.92527	.12424
#1	.49905	.49016	.24617	1.0326	1.0506	.97035
#2	.49750	.48716	.24767	1.0382	1.0653	.97173
#3	.49742	.48601	.24689	1.0278	1.0468	.96933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49555**	**.50882**	**.99154**	**.50440**	**.25358**
Stddev	.00441	.00094	.00172	.00439	.00071
%RSD	.88950	.18528	.17377	.86948	.27966
#1	.49481	.50978	.98957	.50510	.25352
#2	.50029	.50789	.99232	.50839	.25432
#3	.49156	.50878	.99274	.49970	.25290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1943.0**	**3650.0**	**54738.**	**4827.9**
Stddev	4.2	7.7	141.	31.8
%RSD	.21556	.21125	.25817	.65800
#1	1938.4	3648.8	54635.	4834.5
#2	1946.6	3643.0	54680.	4793.4
#3	1943.9	3658.3	54899.	4855.9

Sample Name: LB 180-379744/1-C Acquired: 11/24/2021 6:18:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.01482**	**.00236**	**.00659**	**-.00008**	**.00003**
Stddev	.00005	.01874	.00149	.00047	.00020	.00010
%RSD	20.393	126.41	63.313	7.0959	258.88	299.58
#1	.00027	-.01797	.00252	.00675	-.00030	.00009
#2	.00018	.00529	.00377	.00607	.00010	.00010
#3	.00021	-.03179	.00079	.00696	-.00003	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.00012**	**.00072**	**.00080**	**-.00142**	**.00235**
Stddev	.00204	.00005	.00003	.00075	.00056	.00398
%RSD	19.530	40.968	4.2063	93.231	39.282	169.26
#1	.00850	.00016	.00075	.00021	-.00104	.00555
#2	.01029	.00013	.00070	.00164	-.00116	.00363
#3	.01257	.00006	.00070	.00055	-.00206	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16935**	**.00515**	**-.03405**	**.00008**	**.00168**	F **192.95**
Stddev	.02111	.00046	.04498	.00000	.00014	.99
%RSD	12.464	9.0182	132.11	5.1298	8.6320	.51221
#1	.14868	.00512	.00922	.00008	.00184	193.91
#2	.16850	.00470	-.08057	.00007	.00162	191.94
#3	.19087	.00563	-.03080	.00008	.00157	193.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: LB 180-379744/1-C Acquired: 11/24/2021 6:18:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00111**	**.00188**	**.00223**	**.00501**	**-.00086**
Stddev	.00079	.00097	.00060	.00398	.01046	.00033
%RSD	323.36	87.747	32.056	178.10	208.72	37.709
#1	.00048	-.00073	.00255	.00366	-.00049	-.00049
#2	.00089	-.00221	.00166	.00530	.01708	-.00105
#3	-.00064	-.00038	.00141	-.00226	-.00155	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00012**	**-.00119**	**.00271**	**.00035**
Stddev	.00254	.00019	.00047	.00423	.00037
%RSD	195.14	155.28	39.698	155.93	106.10
#1	-.00081	.00034	-.00099	.00542	-.00005
#2	.00412	.00006	-.00085	-.00216	.00068
#3	.00060	-.00003	-.00173	.00488	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1896.6**	**3597.4**	**53358.**	**4805.5**
Stddev	6.1	10.9	144.	18.4
%RSD	.32357	.30310	.27074	.38232
#1	1890.2	3584.8	53522.	4786.1
#2	1897.2	3603.2	53248.	4822.6
#3	1902.4	3604.2	53305.	4807.8

Sample Name: 180-130173-A-1-F Acquired: 11/24/2021 6:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00272**	**.00209**	**.02101**	**.15451**	**.00008**
Stddev	.00040	.03302	.00128	.00024	.00021	.00004
%RSD	5611.2	1215.9	61.135	1.1242	.13509	47.878
#1	.00043	.00275	.00306	.02128	.15463	.00012
#2	-.00005	-.03032	.00064	.02093	.15464	.00008
#3	-.00036	.03572	.00257	.02083	.15427	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.882**	**.00039**	**.00049**	**-.00001**	**-.00046**	**.00200**
Stddev	.029	.00010	.00046	.00031	.00081	.00223
%RSD	.21120	24.722	93.453	2411.5	175.89	111.58
#1	13.849	.00044	-.00002	.00011	-.00040	.00449
#2	13.894	.00028	.00085	.00022	.00032	.00018
#3	13.905	.00046	.00063	-.00037	-.00131	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48033**	**.00440**	**2.5904**	**.07453**	**.00092**	**134.65**
Stddev	.02262	.00134	.0496	.00014	.00014	.10
%RSD	4.7083	30.442	1.9154	.19274	15.121	.07780
#1	.49813	.00286	2.5675	.07469	.00096	134.77
#2	.48798	.00505	2.5564	.07445	.00103	134.60
#3	.45489	.00530	2.6474	.07444	.00076	134.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130173-A-1-F Acquired: 11/24/2021 6:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.00053**	**.00234**	**-.00261**	**.69947**	**-.00090**
Stddev	.00051	.00125	.00115	.00377	.02930	.00099
%RSD	23.498	234.36	49.182	144.43	4.1882	109.97
#1	.00162	-.00037	.00163	.00048	.69240	-.00056
#2	.00262	.00196	.00367	-.00681	.67436	-.00202
#3	.00222	.00002	.00172	-.00149	.73166	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04239**	**.00001**	**-.00024**	**-.00114**	**.05104**
Stddev	.00236	.00019	.00143	.00199	.00020
%RSD	5.5741	3488.8	599.68	175.19	.38311
#1	.04352	-.00021	-.00006	.00024	.05126
#2	.04398	.00005	-.00175	-.00342	.05089
#3	.03968	.00017	.00110	-.00023	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1924.4**	**3634.2**	**53694.**	**4753.1**
Stddev	4.5	4.4	209.	36.8
%RSD	.23411	.12164	.38928	.77376
#1	1926.5	3638.5	53453.	4794.3
#2	1927.4	3634.5	53797.	4741.3
#3	1919.2	3629.7	53832.	4723.7

Sample Name: 180-130245-A-1-F Acquired: 11/24/2021 6:27:50 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00157**	**.00896**	**.16192**	**2.5630**	**-.00001**
Stddev	.00018	.01465	.00127	.00112	.0103	.00004
%RSD	147.39	935.55	14.137	.69019	.40084	774.51
#1	.00016	.00676	.00885	.16311	2.5748	.00001
#2	-.00007	.01291	.00775	.16176	2.5579	-.00005
#3	.00029	-.01497	.01027	.16089	2.5562	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**256.60**	**.00047**	**.00187**	**.00386**	**-.00189**	**11.181**
Stddev	1.09	.00008	.00019	.00065	.00069	.072
%RSD	.42389	16.109	10.200	16.851	36.314	.64638
#1	257.84	.00048	.00205	.00458	-.00234	11.265
#2	255.83	.00054	.00167	.00368	-.00224	11.138
#3	256.12	.00039	.00190	.00332	-.00110	11.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4859**	**.06941**	**2.5171**	**.47214**	**.00024**	F **323.43**
Stddev	.0076	.00096	.0077	.00300	.00021	.88
%RSD	.51243	1.3827	.30561	.63478	89.240	.27234
#1	1.4786	.06872	2.5250	.46927	.00037	323.41
#2	1.4852	.07051	2.5166	.47525	-.00001	324.32
#3	1.4938	.06901	2.5097	.47191	.00035	322.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130245-A-1-F Acquired: 11/24/2021 6:27:50 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03848**	**.00217**	**-.00050**	**.00851**	**.04061**	**.00111**
Stddev	.00015	.00119	.00030	.00306	.00933	.00105
%RSD	.37687	54.909	59.708	35.904	22.963	94.942
#1	.03831	.00343	-.00071	.01199	.03345	.00228
#2	.03854	.00106	-.00064	.00728	.05116	.00023
#3	.03859	.00201	-.00016	.00626	.03723	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **35.037**	**-.00134**	**-.00466**	**-.00049**	**.21495**
Stddev	.108	.00013	.00110	.00519	.00053
%RSD	.30750	9.4615	23.623	1051.2	.24691
#1	35.103	-.00121	-.00360	.00193	.21545
#2	35.095	-.00135	-.00580	-.00645	.21439
#3	34.912	-.00146	-.00460	.00304	.21501
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.0000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1721.6**	**3346.3**	**49515.**	**4570.6**
Stddev	7.8	13.0	386.	8.6
%RSD	.45120	.38717	.77972	.18772
#1	1713.2	3331.6	49930.	4561.2
#2	1723.2	3351.6	49166.	4578.1
#3	1728.5	3355.8	49451.	4572.3

Sample Name: 180-130288-A-1-E Acquired: 11/24/2021 6:32:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.12406**	**.00374**	**.01874**	**.66078**	**.00002**
Stddev	.00065	.00783	.00112	.00015	.00363	.00015
%RSD	1997.0	6.3101	29.916	.79341	.54963	663.86
#1	.00019	.12634	.00251	.01890	.65709	.00004
#2	-.00068	.11535	.00402	.01871	.66090	.00016
#3	.00059	.13050	.00470	.01861	.66435	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7311**	**.00007**	**.00151**	**.00030**	**.01609**	**.02430**
Stddev	.0113	.00011	.00023	.00015	.00027	.00118
%RSD	.65054	156.76	15.214	49.661	1.6609	4.8536
#1	1.7182	.00019	.00132	.00025	.01581	.02374
#2	1.7360	-.00002	.00146	.00018	.01633	.02351
#3	1.7391	.00004	.00177	.00046	.01614	.02565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37773**	**.01554**	**.09443**	**.06923**	**-.00002**	**133.60**
Stddev	.05423	.00173	.03703	.00022	.00016	.66
%RSD	14.356	11.120	39.212	.31842	655.39	.49774
#1	.34635	.01746	.09293	.06899	.00015	132.87
#2	.34650	.01506	.13218	.06943	-.00017	133.77
#3	.44035	.01410	.05817	.06926	-.00005	134.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130288-A-1-E Acquired: 11/24/2021 6:32:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00437**	**.00219**	**-.00370**	**.11895**	**-.00034**
Stddev	.00029	.00131	.00080	.00143	.01259	.00115
%RSD	20.791	29.912	36.700	38.705	10.580	341.61
#1	.00111	.00587	.00309	-.00304	.11204	-.00138
#2	.00143	.00357	.00154	-.00272	.13348	.00090
#3	.00170	.00366	.00194	-.00535	.11134	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33299**	**.00049**	**.00007**	**.00217**	**.06397**
Stddev	.00442	.00003	.00079	.00214	.00024
%RSD	1.3262	5.5824	1112.5	98.675	.37556
#1	.32880	.00051	-.00006	-.00029	.06383
#2	.33258	.00046	.00092	.00320	.06424
#3	.33760	.00049	-.00065	.00362	.06383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1947.2**	**3662.5**	**54214.**	**4799.4**
Stddev	2.5	7.5	134.	9.0
%RSD	.12931	.20478	.24706	.18838
#1	1950.1	3664.9	54141.	4789.4
#2	1945.8	3654.1	54368.	4806.8
#3	1945.7	3668.5	54132.	4802.1

Sample Name: 180-130290-A-1-E Acquired: 11/24/2021 6:37:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01076**	**.00264**	**.00972**	**.08988**	**-.00001**
Stddev	.00044	.01470	.00125	.00058	.00033	.00013
%RSD	101.40	136.59	47.393	5.9319	.36804	1981.2
#1	-.00007	.01853	.00281	.00979	.08992	.00008
#2	.00068	.01994	.00132	.00911	.08953	-.00015
#3	.00069	-.00619	.00380	.01025	.09019	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.377**	**.00974**	**.00253**	**.00037**	**-.00072**	**3.0134**
Stddev	.139	.00004	.00018	.00024	.00051	.0049
%RSD	.30059	.37728	6.9412	64.622	71.359	.16206
#1	46.342	.00973	.00232	.00023	-.00058	3.0085
#2	46.257	.00978	.00264	.00023	-.00128	3.0183
#3	46.530	.00971	.00261	.00065	-.00028	3.0135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39710**	**.00643**	**.71380**	**.43360**	**.02182**	**129.65**
Stddev	.01987	.00029	.01616	.00080	.00011	.35
%RSD	5.0034	4.5861	2.2646	.18556	.50969	.27009
#1	.41058	.00673	.73179	.43286	.02194	129.72
#2	.37428	.00640	.70050	.43445	.02180	129.28
#3	.40644	.00614	.70910	.43349	.02172	129.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130290-A-1-E Acquired: 11/24/2021 6:37:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.00010**	**-.00015**	**-.00288**	**.32964**	**-.00034**
Stddev	.00040	.00097	.00088	.00232	.00165	.00053
%RSD	19.678	991.50	587.55	80.565	.50197	157.41
#1	.00159	-.00100	.00002	-.00305	.32786	-.00039
#2	.00215	.00087	-.00110	-.00048	.33114	.00022
#3	.00237	.00042	.00063	-.00510	.32992	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05946**	**.00002**	**.00019**	**.00288**	**1.5221**
Stddev	.00467	.00009	.00128	.00114	.0178
%RSD	7.8481	503.18	683.57	39.445	1.1669
#1	.05577	-.00007	-.00042	.00162	1.5088
#2	.06471	.00001	.00166	.00319	1.5423
#3	.05791	.00011	-.00068	.00382	1.5153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1877.4**	**3579.1**	**53531.**	**4824.1**
Stddev	17.7	34.4	167.	5.6
%RSD	.94316	.96193	.31106	.11544
#1	1894.7	3609.6	53708.	4822.3
#2	1859.3	3541.8	53507.	4830.3
#3	1878.2	3586.0	53378.	4819.6

Sample Name: 180-130314-A-1-C Acquired: 11/24/2021 6:41:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00961**	**.00412**	**.03531**	**.41656**	**.00004**
Stddev	.00021	.01079	.00026	.00026	.00182	.00007
%RSD	87.704	112.32	6.3431	.74903	.43585	196.65
#1	-.00043	.01875	.00421	.03548	.41865	.00009
#2	-.00027	-.00230	.00432	.03545	.41539	-.00004
#3	-.00002	.01237	.00382	.03501	.41564	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.007**	**.00040**	**.00064**	**.00007**	**-.00059**	**.00097**
Stddev	.320	.00007	.00010	.00049	.00047	.00202
%RSD	.43202	16.498	15.961	735.53	79.736	208.94
#1	74.369	.00032	.00072	.00063	-.00113	.00065
#2	73.763	.00042	.00068	-.00023	-.00035	.00313
#3	73.891	.00045	.00053	-.00020	-.00029	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52966**	**.01024**	**1.0044**	**.02882**	**.00041**	**136.81**
Stddev	.01897	.00081	.0119	.00017	.00029	.87
%RSD	3.5808	7.9538	1.1806	.59187	69.942	.63695
#1	.51133	.00930	.99090	.02865	.00014	137.79
#2	.54921	.01080	1.0090	.02882	.00072	136.12
#3	.52845	.01061	1.0132	.02899	.00039	136.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130314-A-1-C Acquired: 11/24/2021 6:41:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00074**	**.00240**	**-.00062**	**.06689**	**-.00102**
Stddev	.00044	.00091	.00137	.00360	.01172	.00047
%RSD	58.150	123.52	57.164	576.47	17.520	45.773
#1	.00035	.00004	.00352	.00021	.07966	-.00050
#2	.00071	.00040	.00087	.00249	.05663	-.00118
#3	.00123	.00177	.00280	-.00457	.06438	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10191**	**.00007**	**.00076**	**.00121**	**.16229**
Stddev	.00057	.00017	.00026	.00350	.00044
%RSD	.56035	240.25	33.523	288.61	.26852
#1	.10255	.00024	.00105	.00436	.16272
#2	.10173	-.00010	.00069	-.00255	.16229
#3	.10145	.00007	.00055	.00182	.16185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1864.8**	**3542.7**	**53185.**	**4802.6**
Stddev	3.9	6.2	201.	29.9
%RSD	.21139	.17466	.37704	.62342
#1	1861.5	3540.5	53397.	4786.9
#2	1863.6	3537.9	53159.	4837.2
#3	1869.2	3549.7	52999.	4783.8

Sample Name: LB 180-379744/23-C Acquired: 11/24/2021 6:46:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00875**	**.00018**	**.00063**	**.00028**	**-.00004**
Stddev	.00027	.02163	.00066	.00017	.00006	.00004
%RSD	330.36	247.18	369.19	26.372	20.200	96.261
#1	.00039	.01375	-.00039	.00068	.00026	-.00001
#2	-.00002	-.01060	.00090	.00076	.00035	-.00008
#3	-.00012	-.02940	.00002	.00044	.00024	-.00002
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01617**	**.00013**	**.00007**	**.00050**	**.00038**	**-.00109**
Stddev	.00254	.00006	.00024	.00036	.00024	.00232
%RSD	15.712	43.075	323.32	70.998	63.349	213.17
#1	.01490	.00019	.00016	.00009	.00065	-.00027
#2	.01452	.00010	.00026	.00072	.00020	-.00371
#3	.01910	.00010	-.00020	.00070	.00029	.00071
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06142**	**.00246**	**-.02680**	**.00008**	**-.00019**	**.06874**
Stddev	.03002	.00094	.02733	.00007	.00011	.00510
%RSD	48.872	38.099	101.98	78.363	54.815	7.4192
#1	.07080	.00316	-.00230	.00015	-.00008	.07456
#2	.02783	.00282	-.05627	.00008	-.00030	.06508
#3	.08562	.00139	-.02182	.00002	-.00020	.06657
Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Sample Name: LB 180-379744/23-C Acquired: 11/24/2021 6:46:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00018**	**.00166**	**-.00260**	**.00900**	**.00001**
Stddev	.00067	.00066	.00136	.00117	.00842	.00100
%RSD	1403.4	360.09	82.123	45.103	93.506	16515.
#1	-.00072	-.00050	.00098	-.00304	.00419	.00082
#2	.00034	.00022	.00322	-.00127	.00409	.00030
#3	.00052	.00083	.00077	-.00348	.01872	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00229**	**.00008**	**.00001**	**.00546**	**.00044**
Stddev	.00369	.00012	.00049	.00182	.00017
%RSD	161.53	146.54	5865.6	33.318	39.252
#1	-.00023	.00019	-.00025	.00498	.00062
#2	-.00655	.00010	-.00030	.00747	.00027
#3	-.00008	-.00004	.00057	.00393	.00044
Check ?	None	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2130.9**	**3772.6**	**56610.**	**4880.6**
Stddev	5.2	2.6	175.	30.7
%RSD	.24537	.06905	.30863	.62991
#1	2124.9	3769.7	56627.	4852.4
#2	2133.9	3774.7	56428.	4876.1
#3	2133.9	3773.4	56776.	4913.3

Sample Name: 180-130267-A-1-K Acquired: 11/24/2021 6:51:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00394**	**.00316**	**.05777**	**.45479**	**-.00009**
Stddev	.00001	.00675	.00310	.00066	.00263	.00012
%RSD	81.345	171.31	97.872	1.1412	.57914	139.04
#1	.00001	.00169	-.00027	.05766	.45182	-.00021
#2	.00000	-.00140	.00573	.05717	.45683	.00003
#3	.00002	.01153	.00403	.05848	.45573	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **178.31**	**.00046**	**.00263**	**.00000**	**.00152**	**-.00149**
Stddev	.64	.00015	.00007	.00039	.00030	.00106
%RSD	.35897	32.177	2.5258	10498.	19.814	70.960
#1	177.59	.00061	.00261	.00041	.00122	-.00060
#2	178.56	.00043	.00258	-.00003	.00151	-.00122
#3	178.80	.00032	.00271	-.00037	.00182	-.00266
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26680**	**.00373**	**2.0105**	**.18333**	**.00018**	**1.7414**
Stddev	.02022	.00052	.0247	.00016	.00027	.0221
%RSD	7.5802	13.876	1.2278	.08503	151.46	1.2666
#1	.25593	.00337	1.9891	.18333	.00047	1.7259
#2	.25433	.00349	2.0375	.18349	-.00005	1.7667
#3	.29013	.00432	2.0050	.18317	.00011	1.7317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K Acquired: 11/24/2021 6:51:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00082**	**.00175**	**-.00168**	**.13581**	**-.00045**
Stddev	.00014	.00188	.00029	.00316	.00942	.00049
%RSD	6.6750	229.28	16.478	187.68	6.9391	108.72
#1	.00206	.00298	.00142	-.00453	.12509	.00010
#2	.00210	-.00011	.00186	.00172	.13953	-.00084
#3	.00233	-.00041	.00196	-.00224	.14279	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22117**	**-.00016**	**.00126**	**.00057**	**.12246**
Stddev	.00429	.00007	.00103	.00551	.00070
%RSD	1.9389	42.377	82.041	966.58	.57166
#1	.22189	-.00008	.00099	-.00552	.12184
#2	.21657	-.00021	.00038	.00203	.12322
#3	.22505	-.00019	.00239	.00520	.12232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1937.9**	**3604.9**	**54085.**	**4806.4**
Stddev	1.7	3.9	224.	10.6
%RSD	.08660	.10957	.41368	.21964
#1	1938.9	3607.5	53930.	4816.3
#2	1935.9	3606.9	53982.	4795.3
#3	1938.8	3600.4	54341.	4807.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:55:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99218**	**24.224**	**.49449**	**1.9825**	**1.9462**	**1.9924**
Stddev	.00207	.123	.00258	.0039	.0019	.0065
%RSD	.20899	.50961	.52269	.19465	.09745	.32520
#1	.99123	24.330	.49731	1.9859	1.9468	1.9967
#2	.99456	24.252	.49392	1.9783	1.9441	1.9850
#3	.99075	24.088	.49224	1.9832	1.9477	1.9957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.975**	**.49632**	**2.0041**	**1.9328**	**1.9448**	**24.433**
Stddev	.130	.00114	.0040	.0045	.0052	.095
%RSD	.26541	.22917	.20078	.23128	.26548	.39001
#1	49.124	.49623	1.9996	1.9366	1.9417	24.433
#2	48.913	.49523	2.0054	1.9339	1.9507	24.338
#3	48.888	.49750	2.0073	1.9279	1.9418	24.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.06**	**2.0310**	**48.152**	**1.9119**	**1.9193**	**121.13**
Stddev	.74	.0022	.152	.0040	.0043	.73
%RSD	.62506	.11058	.31554	.20684	.22654	.59876
#1	119.41	2.0310	48.236	1.9123	1.9173	121.32
#2	118.21	2.0332	47.976	1.9156	1.9164	120.33
#3	119.57	2.0287	48.242	1.9077	1.9243	121.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:55:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0000**	**.49729**	**.48836**	**.49164**	**1.9606**	**1.8561**
Stddev	.0026	.00219	.00085	.00170	.0182	.0037
%RSD	.13185	.43960	.17399	.34493	.92753	.20157
#1	1.9973	.49481	.48869	.49355	1.9404	1.8518
#2	2.0003	.49808	.48899	.49032	1.9660	1.8581
#3	2.0025	.49897	.48740	.49104	1.9756	1.8584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9334**	**1.9591**	**.95257**	**1.9822**	**1.9291**
Stddev	.0099	.0028	.00358	.0084	.0029
%RSD	.51223	.14232	.37549	.42168	.15138
#1	1.9301	1.9623	.94870	1.9918	1.9275
#2	1.9255	1.9577	.95325	1.9770	1.9273
#3	1.9445	1.9573	.95576	1.9777	1.9325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1811.3**	**3608.1**	**53145.**	**4719.8**
Stddev	1.6	7.0	181.	40.6
%RSD	.08907	.19384	.33999	.85944
#1	1812.8	3607.4	53119.	4681.4
#2	1811.6	3615.4	52978.	4762.2
#3	1809.6	3601.5	53337.	4715.7

Sample Name: CCB2 Acquired: 11/24/2021 7:00:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00861**	**.00023**	**.00177**	**.00003**	**-.00003**
Stddev	.00012	.01679	.00060	.00058	.00028	.00007
%RSD	293.10	195.06	259.94	32.545	937.11	210.52
#1	.00008	.00962	.00044	.00204	-.00017	-.00008
#2	-.00004	-.01200	.00070	.00215	-.00010	-.00005
#3	-.00015	-.02345	-.00045	.00111	.00035	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**-.00000**	**.00013**	**.00048**	**.00039**	**-.00127**
Stddev	.00366	.00007	.00006	.00017	.00049	.00211
%RSD	149.23	4978.0	41.924	34.885	125.76	165.89
#1	-.00086	.00006	.00008	.00043	.00094	.00089
#2	.00184	.00000	.00012	.00066	.00021	-.00331
#3	.00638	-.00007	.00020	.00034	.00002	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07513**	**.00068**	**-.02976**	**.00001**	**.00427**	**.03558**
Stddev	.00573	.00136	.00274	.00002	.00063	.00401
%RSD	7.6303	199.10	9.2026	288.05	14.770	11.277
#1	.06941	.00156	-.03217	.00002	.00488	.03757
#2	.08088	.00136	-.03033	.00001	.00432	.03821
#3	.07509	-.00088	-.02678	-.00002	.00362	.03096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 11/24/2021 7:00:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00011**	**.00105**	**-.00224**	**-.01066**	**-.00062**
Stddev	.00012	.00072	.00120	.00194	.01036	.00032
%RSD	68.880	630.85	113.70	86.611	97.138	50.606
#1	.00018	-.00044	.00210	-.00186	-.00378	-.00069
#2	.00005	-.00062	.00131	-.00434	-.02258	-.00090
#3	.00028	.00072	-.00025	-.00052	-.00564	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00025**	**.00120**	**.00241**	**-.00008**
Stddev	.00455	.00013	.00151	.00290	.00014
%RSD	188.62	49.476	125.83	120.46	181.99
#1	-.00264	.00011	.00177	.00574	-.00018
#2	.00617	.00033	-.00051	.00108	.00008
#3	.00370	.00032	.00235	.00041	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.5**	**3789.3**	**56234.**	**4773.5**
Stddev	3.3	4.5	93.	29.6
%RSD	.15477	.11927	.16573	.61951
#1	2134.2	3784.3	56329.	4791.1
#2	2134.9	3793.2	56230.	4790.0
#3	2140.3	3790.4	56143.	4739.3

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/24/2021 7:04:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.01533**	**-.00125**	**.01132**	**.08929**	**-.00005**
Stddev	.00034	.02159	.00146	.00024	.00030	.00009
%RSD	85.170	140.78	117.61	2.1324	.33418	177.00
#1	.00050	-.01685	.00012	.01159	.08897	-.00011
#2	.00066	.00697	-.00106	.01122	.08933	-.00010
#3	.00002	-.03612	-.00279	.01114	.08956	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.621**	**.00009**	**.00042**	**.00028**	**.00064**	**.00037**
Stddev	.100	.00006	.00014	.00018	.00037	.00046
%RSD	.27983	74.124	32.724	65.920	57.013	124.42
#1	35.566	.00002	.00057	.00008	.00068	.00076
#2	35.561	.00008	.00030	.00032	.00099	-.00013
#3	35.736	.00015	.00038	.00044	.00026	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10346**	**.00173**	**.42767**	**.03679**	**.00141**	**.34811**
Stddev	.04772	.00121	.02988	.00026	.00040	.00783
%RSD	46.126	70.092	6.9866	.71772	28.215	2.2479
#1	.04903	.00285	.43407	.03651	.00160	.34155
#2	.12323	.00044	.45382	.03685	.00167	.34602
#3	.13812	.00190	.39510	.03703	.00095	.35677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/24/2021 7:04:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00027**	**.00077**	**-.00436**	**.02153**	**-.00150**
Stddev	.00018	.00187	.00114	.00400	.00233	.00091
%RSD	71.626	692.13	147.80	91.913	10.836	60.721
#1	.00016	-.00051	.00160	-.00008	.02421	-.00140
#2	.00013	-.00201	-.00052	-.00801	.02039	-.00064
#3	.00045	.00171	.00123	-.00498	.01998	-.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04069**	**.00013**	**-.00040**	**.00254**	**.02438**
Stddev	.00590	.00012	.00187	.00327	.00025
%RSD	14.493	93.431	462.53	128.69	1.0324
#1	.03644	.00027	.00033	.00341	.02423
#2	.03820	.00002	-.00253	-.00108	.02467
#3	.04742	.00011	.00099	.00528	.02423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2072.2**	**3749.5**	**55494.**	**4832.8**
Stddev	1.2	2.6	269.	33.7
%RSD	.05673	.06887	.48383	.69665
#1	2073.2	3747.0	55776.	4794.4
#2	2072.4	3749.4	55466.	4846.5
#3	2070.9	3752.1	55241.	4857.5

Sample Name: 180-130267-A-1-L MS Acquired: 11/24/2021 7:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09762**	**-.00040**	**.52260**	**.03065**	F **5.1349**	**-.00005**
Stddev	.00043	.00910	.00255	.00037	.0075	.00004
%RSD	.44163	2257.4	.48785	1.2034	.14670	79.442
#1	.09796	-.00253	.52386	.03105	5.1332	-.00004
#2	.09776	-.00825	.52428	.03033	5.1432	-.00009
#3	.09713	.00957	.51967	.03057	5.1284	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.20000	

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **180.63**	**.10118**	**.00172**	**.47790**	**.00189**	**.00151**
Stddev	.42	.00062	.00022	.00198	.00072	.00305
%RSD	.23119	.61061	12.557	.41480	38.137	201.83
#1	180.89	.10087	.00194	.47577	.00114	.00382
#2	180.85	.10190	.00171	.47969	.00196	.00267
#3	180.15	.10079	.00151	.47824	.00257	-.00195
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23591**	**.00414**	**2.0162**	**.18520**	**.00105**	**1.0871**
Stddev	.04399	.00111	.0275	.00050	.00020	.0105
%RSD	18.646	26.840	1.3645	.26752	19.481	.96430
#1	.19303	.00515	1.9984	.18569	.00128	1.0750
#2	.23377	.00295	2.0024	.18521	.00093	1.0926
#3	.28093	.00434	2.0479	.18470	.00093	1.0937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-L MS Acquired: 11/24/2021 7:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.48275**	**.00113**	**.10183**	**.12415**	**-.00008**
Stddev	.00032	.00478	.00117	.00282	.01098	.00108
%RSD	12.564	.98959	103.84	2.7677	8.8455	1341.2
#1	.00284	.47944	.00044	.10171	.12746	-.00124
#2	.00220	.48823	.00047	.10471	.11189	.00090
#3	.00250	.48058	.00248	.09908	.13309	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21676**	**-.00038**	**.00035**	**.00291**	**.06166**
Stddev	.00424	.00010	.00102	.00452	.00030
%RSD	1.9573	26.323	290.34	155.31	.49039
#1	.21267	-.00040	-.00021	-.00165	.06159
#2	.22114	-.00046	.00153	.00299	.06199
#3	.21648	-.00027	-.00027	.00739	.06140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1907.5**	**3542.4**	**53655.**	**4833.8**
Stddev	12.5	17.5	82.	19.7
%RSD	.65764	.49468	.15349	.40812
#1	1910.8	3552.3	53560.	4811.4
#2	1893.6	3522.2	53697.	4848.6
#3	1918.1	3552.7	53707.	4841.3

Sample Name: 180-130267-A-1-M MSD Acquired: 11/24/2021 7:14:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10101**	**-.00562**	**.53464**	**.03060**	F **5.2153**	**-.00001**
Stddev	.00010	.01315	.00067	.00068	.0163	.00007
%RSD	.09799	234.13	.12557	2.2114	.31215	558.00
#1	.10092	-.02038	.53386	.03134	5.2152	.00004
#2	.10112	.00484	.53500	.03046	5.1991	.00001
#3	.10101	-.00131	.53505	.03001	5.2316	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.20000	

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **178.66**	**.10461**	**.00167**	**.49044**	**.00128**	**.00102**
Stddev	.57	.00040	.00066	.00055	.00098	.00336
%RSD	.31837	.37940	39.246	.11297	76.409	328.84
#1	179.18	.10415	.00186	.49104	.00216	-.00107
#2	178.06	.10479	.00222	.49030	.00147	.00490
#3	178.75	.10488	.00094	.48996	.00022	-.00076
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25651**	**.00257**	**2.0001**	**.18427**	**.00047**	**1.0871**
Stddev	.03677	.00108	.0246	.00019	.00011	.0175
%RSD	14.333	41.859	1.2298	.10065	23.761	1.6101
#1	.23934	.00334	2.0250	.18443	.00034	1.0796
#2	.29872	.00304	1.9758	.18431	.00056	1.0745
#3	.23147	.00134	1.9995	.18407	.00050	1.1070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-M MSD Acquired: 11/24/2021 7:14:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.49540**	**.00098**	**.10950**	**.11955**	**-.00059**
Stddev	.00052	.00069	.00254	.00281	.00358	.00075
%RSD	21.323	.13907	259.48	2.5644	2.9966	126.52
#1	.00188	.49476	.00137	.11145	.12205	-.00129
#2	.00249	.49530	.00330	.11076	.12116	.00021
#3	.00291	.49613	-.00174	.10628	.11545	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21079**	**-.00016**	**.00204**	**.00080**	**.06185**
Stddev	.01172	.00012	.00079	.00161	.00044
%RSD	5.5615	72.484	38.874	200.41	.70931
#1	.21367	-.00016	.00249	.00139	.06204
#2	.22080	-.00004	.00250	-.00102	.06135
#3	.19789	-.00028	.00112	.00203	.06217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.9**	**3595.3**	**53852.**	**4785.0**
Stddev	1.0	2.5	78.	24.7
%RSD	.05063	.06951	.14564	.51625
#1	1933.4	3597.6	53923.	4771.3
#2	1933.1	3595.7	53866.	4813.6
#3	1935.0	3592.7	53768.	4770.2

Sample Name: 180-130267-A-1-N MS Acquired: 11/24/2021 7:18:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04727**	**.94123**	**.20311**	**.28589**	**.39582**	**.09385**
Stddev	.00070	.03824	.00213	.00196	.00212	.00044
%RSD	1.4858	4.0630	1.0479	.68569	.53591	.47073
#1	.04713	.97623	.20512	.28649	.39821	.09435
#2	.04803	.90041	.20088	.28748	.39417	.09351
#3	.04665	.94703	.20335	.28370	.39509	.09369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **177.29**	**.09726**	**.09443**	**.09134**	**.09791**	**.91495**
Stddev	1.05	.00072	.00065	.00070	.00154	.01324
%RSD	.59185	.73570	.69346	.76389	1.5757	1.4475
#1	178.50	.09797	.09473	.09125	.09677	.93004
#2	176.77	.09728	.09488	.09208	.09967	.90958
#3	176.60	.09654	.09368	.09070	.09729	.90524
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7714**	**.10091**	**6.4602**	**.27008**	**.08977**	**5.7169**
Stddev	.0629	.00044	.0713	.00157	.00026	.0530
%RSD	1.3175	.44015	1.1042	.57954	.28421	.92702
#1	4.8403	.10107	6.5423	.26836	.08996	5.7773
#2	4.7566	.10040	6.4139	.27143	.08986	5.6782
#3	4.7172	.10125	6.4243	.27043	.08948	5.6952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-N MS Acquired: 11/24/2021 7:18:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09517**	**.09390**	**.04561**	**.19989**	**.32120**	**.17980**
Stddev	.00028	.00252	.00222	.00257	.00989	.00037
%RSD	.29084	2.6886	4.8593	1.2862	3.0804	.20612
#1	.09549	.09536	.04568	.20280	.33028	.17944
#2	.09504	.09536	.04780	.19892	.31066	.18018
#3	.09498	.09099	.04337	.19794	.32267	.17977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.30010**	**.09461**	**.18339**	**.09489**	**.10524**
Stddev	.00431	.00059	.00086	.00760	.00071
%RSD	1.4372	.62715	.46929	8.0064	.67545
#1	.29653	.09402	.18332	.09875	.10598
#2	.29887	.09520	.18428	.08614	.10518
#3	.30489	.09461	.18256	.09979	.10456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1915.7**	**3595.0**	**53422.**	**4767.0**
Stddev	9.7	16.7	345.	33.4
%RSD	.50468	.46573	.64658	.70030
#1	1908.0	3581.0	53818.	4728.7
#2	1912.6	3590.6	53184.	4789.8
#3	1926.6	3613.5	53265.	4782.6

Sample Name: 180-130267-A-1-O MSD Acquired: 11/24/2021 7:23:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04855**	**.97432**	**.20378**	**.28697**	**.39709**	**.09592**
Stddev	.00024	.01632	.00111	.00048	.00063	.00012
%RSD	.49361	1.6748	.54382	.16796	.15948	.12103
#1	.04829	.99003	.20261	.28731	.39645	.09589
#2	.04858	.97546	.20391	.28642	.39771	.09604
#3	.04877	.95746	.20481	.28717	.39710	.09581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **177.34**	**.10003**	**.09736**	**.09428**	**.09966**	**.93729**
Stddev	.36	.00031	.00010	.00021	.00126	.00320
%RSD	.20547	.31438	.10339	.21981	1.2689	.34136
#1	176.92	.09967	.09737	.09434	.09976	.93623
#2	177.52	.10015	.09725	.09405	.10088	.94089
#3	177.58	.10027	.09745	.09445	.09835	.93477
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9397**	**.10162**	**6.6379**	**.27325**	**.09229**	**5.8891**
Stddev	.0284	.00014	.0265	.00065	.00028	.0227
%RSD	.57442	.14025	.39923	.23738	.30141	.38596
#1	4.9715	.10146	6.6555	.27384	.09200	5.8914
#2	4.9305	.10169	6.6075	.27335	.09256	5.9105
#3	4.9170	.10171	6.6508	.27255	.09231	5.8652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-O MSD Acquired: 11/24/2021 7:23:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09686**	**.09521**	**.04702**	**.20264**	**.31643**	**.18430**
Stddev	.00002	.00151	.00044	.00679	.00864	.00111
%RSD	.01931	1.5886	.94209	3.3517	2.7313	.60305
#1	.09688	.09689	.04749	.19529	.31234	.18338
#2	.09684	.09395	.04661	.20392	.31058	.18554
#3	.09686	.09480	.04696	.20870	.32636	.18398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.30402**	**.09761**	**.18750**	**.09481**	**.10608**
Stddev	.00545	.00044	.00195	.00296	.00024
%RSD	1.7928	.45079	1.0408	3.1225	.22954
#1	.30407	.09783	.18608	.09467	.10617
#2	.29855	.09791	.18670	.09192	.10627
#3	.30945	.09711	.18973	.09784	.10581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1914.3**	**3584.0**	**53517.**	**4768.6**
Stddev	3.4	7.7	118.	6.3
%RSD	.17560	.21475	.22116	.13237
#1	1918.2	3592.9	53500.	4761.3
#2	1912.8	3580.0	53408.	4771.5
#3	1912.0	3579.1	53643.	4772.8

Sample Name: 180-130267-A-1-K PDS Acquired: 11/24/2021 7:27:47 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25541**	**5.0520**	F **1.0144**	**1.3947**	**1.3925**	**.48872**
Stddev	.00011	.0255	.0033	.0018	.0027	.00100
%RSD	.04226	.50520	.32781	.12947	.19627	.20435
#1	.25530	5.0752	1.0109	1.3942	1.3954	.48941
#2	.25543	5.0246	1.0148	1.3968	1.3901	.48757
#3	.25551	5.0561	1.0175	1.3933	1.3919	.48917
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **195.29**	**.49458**	**.48582**	**.47132**	**.49240**	**4.9682**
Stddev	.73	.00060	.00015	.00125	.00113	.0145
%RSD	.37427	.12153	.03054	.26532	.23016	.29227
#1	196.12	.49511	.48573	.47222	.49251	4.9621
#2	194.73	.49393	.48599	.47185	.49347	4.9576
#3	195.02	.49472	.48575	.46989	.49121	4.9847
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.009**	**.50961**	**26.373**	**.64268**	**.46879**	**27.022**
Stddev	.045	.00075	.130	.00033	.00057	.020
%RSD	.17912	.14726	.49168	.05091	.12233	.07410
#1	24.958	.51013	26.469	.64300	.46819	27.003
#2	25.042	.50875	26.226	.64269	.46884	27.043
#3	25.026	.50995	26.424	.64234	.46933	27.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K PDS Acquired: 11/24/2021 7:27:47 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48015**	**.48011**	**.23971**	F **1.0050**	**1.1507**	**.91030**
Stddev	.00102	.00069	.00303	.0044	.0309	.00374
%RSD	.21225	.14337	1.2655	.43446	2.6896	.41043
#1	.48073	.48058	.24313	1.0066	1.1850	.90979
#2	.48075	.48043	.23869	1.0001	1.1425	.90686
#3	.47897	.47932	.23733	1.0084	1.1248	.91427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.0000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.67416**	**.48967**	**.92917**	**.48009**	**.35630**
Stddev	.00322	.00096	.00224	.00610	.00056
%RSD	.47768	.19534	.24079	1.2712	.15783
#1	.67591	.48860	.92688	.48091	.35678
#2	.67045	.49043	.93135	.47362	.35568
#3	.67614	.48998	.92929	.48574	.35643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1861.4**	**3592.5**	**53510.**	**4811.3**
Stddev	4.4	5.3	69.	28.6
%RSD	.23485	.14654	.12864	.59501
#1	1857.7	3586.9	53449.	4781.3
#2	1860.4	3593.1	53585.	4838.4
#3	1866.2	3597.3	53495.	4814.2

Sample Name: 180-130267-A-2-C Acquired: 11/24/2021 7:32:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00167**	**.00503**	**.05442**	**.43869**	**.00003**
Stddev	.00032	.01062	.00175	.00085	.00253	.00006
%RSD	388.01	634.22	34.801	1.5609	.57683	240.99
#1	.00019	.00629	.00524	.05354	.43704	.00009
#2	.00000	-.01047	.00318	.05523	.43742	.00002
#3	-.00044	.00921	.00667	.05450	.44160	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **179.76**	**.00045**	**.00224**	**.00000**	**.00208**	**.00236**
Stddev	.95	.00012	.00022	.00014	.00105	.00179
%RSD	.52842	26.190	9.6995	15033.	50.801	75.529
#1	179.99	.00057	.00199	-.00015	.00107	.00324
#2	178.72	.00034	.00235	.00002	.00199	.00031
#3	180.58	.00044	.00238	.00013	.00317	.00354
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17961**	**.00259**	**1.9287**	**.15636**	**.00184**	**1.4443**
Stddev	.02387	.00087	.0514	.00186	.00035	.0109
%RSD	13.293	33.754	2.6665	1.1867	19.028	.75438
#1	.20431	.00354	1.9802	.15830	.00213	1.4328
#2	.15666	.00182	1.8773	.15619	.00194	1.4545
#3	.17785	.00240	1.9285	.15460	.00145	1.4456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-2-C Acquired: 11/24/2021 7:32:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00014**	**.00382**	**.00141**	**.12052**	**-.00109**
Stddev	.00050	.00079	.00052	.00395	.00387	.00060
%RSD	20.183	559.44	13.703	279.68	3.2137	55.201
#1	.00301	-.00076	.00357	.00592	.11971	-.00046
#2	.00228	.00071	.00347	-.00142	.12473	-.00166
#3	.00207	.00047	.00442	-.00027	.11712	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22194**	**-.00022**	**.00071**	**.00002**	**.11202**
Stddev	.00527	.00026	.00085	.00405	.00020
%RSD	2.3731	119.24	119.88	22473.	.17832
#1	.21990	.00007	-.00023	-.00454	.11180
#2	.21800	-.00028	.00093	.00320	.11209
#3	.22793	-.00045	.00143	.00140	.11218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1938.1**	**3614.2**	**53683.**	**4782.0**
Stddev	3.9	7.1	413.	10.7
%RSD	.20347	.19624	.76983	.22460
#1	1937.5	3616.3	53287.	4771.4
#2	1942.3	3620.0	53651.	4781.9
#3	1934.4	3606.3	54112.	4792.8

Sample Name: 180-130267-A-3-C Acquired: 11/24/2021 7:36:45 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.03084**	**.00257**	**.06127**	**.29892**	**.00003**
Stddev	.00027	.02200	.00020	.00062	.00933	.00007
%RSD	1287.6	71.324	7.9634	1.0126	3.1221	287.67
#1	.00031	.02718	.00280	.06160	.29031	-.00000
#2	-.00002	.05443	.00241	.06167	.30884	.00011
#3	-.00022	.01090	.00249	.06056	.29760	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **179.24**	**.00068**	**.00185**	**.00030**	**.00130**	**.02495**
Stddev	5.83	.00006	.00035	.00019	.00015	.00382
%RSD	3.2550	9.5187	19.089	63.407	11.637	15.313
#1	173.51	.00075	.00172	.00046	.00123	.02109
#2	185.18	.00062	.00158	.00009	.00147	.02873
#3	179.02	.00068	.00225	.00037	.00118	.02503
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19884**	**.00214**	**2.0318**	**.25540**	**.00060**	**1.5813**
Stddev	.03934	.00012	.1245	.00234	.00033	.0583
%RSD	19.785	5.3754	6.1286	.91753	55.455	3.6896
#1	.15359	.00201	1.9026	.25789	.00057	1.5250
#2	.21795	.00222	2.1510	.25324	.00094	1.6415
#3	.22497	.00220	2.0420	.25507	.00028	1.5773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-3-C Acquired: 11/24/2021 7:36:45 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**.00103**	**.00100**	**.00156**	**.31620**	**-.00034**
Stddev	.00058	.00169	.00211	.00161	.00843	.00033
%RSD	26.509	164.36	211.42	103.25	2.6650	97.439
#1	.00166	.00297	.00160	-.00027	.30972	-.00070
#2	.00282	-.00007	.00275	.00220	.32572	-.00025
#3	.00214	.00018	-.00135	.00276	.31314	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21759**	**-.00005**	**-.00097**	**-.00187**	**.11622**
Stddev	.01072	.00013	.00064	.00485	.00044
%RSD	4.9285	245.51	65.700	260.16	.38206
#1	.20714	-.00016	-.00141	-.00144	.11644
#2	.22857	-.00008	-.00024	-.00692	.11571
#3	.21707	.00009	-.00125	.00276	.11652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.3**	**3555.0**	**52859.**	**4749.8**
Stddev	3.8	7.2	516.	145.1
%RSD	.19773	.20211	.97605	3.0555
#1	1921.2	3550.7	52272.	4902.8
#2	1925.2	3563.3	53239.	4614.1
#3	1917.6	3551.0	53067.	4732.6

Sample Name: 180-130267-A-4-C Acquired: 11/24/2021 7:41:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00239**	**.00361**	**.06411**	**.45488**	**-.00005**
Stddev	.00029	.01909	.00076	.00039	.00139	.00008
%RSD	569.59	798.84	21.151	.60298	.30549	167.09
#1	.00032	.01166	.00362	.06450	.45332	-.00012
#2	-.00026	-.01956	.00284	.06411	.45597	-.00007
#3	.00009	.01507	.00436	.06373	.45536	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **176.40**	**.00053**	**.00145**	**.00034**	**.00102**	**-.00284**
Stddev	.45	.00006	.00025	.00028	.00090	.00157
%RSD	.25316	11.068	17.087	81.128	88.121	55.159
#1	176.12	.00047	.00130	.00002	.00196	-.00127
#2	176.92	.00059	.00132	.00052	.00016	-.00441
#3	176.18	.00052	.00174	.00049	.00094	-.00285
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10142**	**.00229**	**1.9237**	**.18143**	**.00032**	**1.3426**
Stddev	.02660	.00104	.0463	.00029	.00007	.0143
%RSD	26.231	45.496	2.4086	.15846	23.290	1.0660
#1	.12730	.00238	1.8737	.18128	.00040	1.3264
#2	.10283	.00329	1.9652	.18125	.00030	1.3482
#3	.07415	.00121	1.9323	.18177	.00025	1.3533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-4-C Acquired: 11/24/2021 7:41:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00232**	**.00182**	**.00013**	**.13782**	**-.00053**
Stddev	.00053	.00109	.00037	.00229	.00701	.00064
%RSD	35.613	46.862	20.641	1709.8	5.0849	120.33
#1	.00088	.00221	.00221	.00220	.13447	-.00008
#2	.00175	.00130	.00177	-.00233	.13312	-.00126
#3	.00184	.00346	.00146	.00053	.14588	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22233**	**-.00031**	**.00281**	**.00358**	**.12860**
Stddev	.00466	.00023	.00086	.00050	.00027
%RSD	2.0938	76.461	30.455	13.862	.20930
#1	.22589	-.00043	.00202	.00320	.12875
#2	.21706	-.00004	.00372	.00341	.12876
#3	.22402	-.00045	.00269	.00414	.12829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1930.3**	**3587.8**	**53958.**	**4806.7**
Stddev	7.2	11.3	66.	10.5
%RSD	.37537	.31546	.12178	.21875
#1	1937.5	3599.1	53937.	4808.5
#2	1930.5	3576.5	54032.	4795.4
#3	1923.0	3588.0	53905.	4816.2

Sample Name: 180-130267-A-5-C Acquired: 11/24/2021 7:46:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.01494**	**.00350**	**.07222**	**.48441**	**-.00005**
Stddev	.00044	.00874	.00131	.00048	.00220	.00005
%RSD	241.09	58.527	37.459	.66763	.45369	100.78
#1	.00059	-.00486	.00499	.07277	.48400	-.00010
#2	.00023	-.01942	.00301	.07201	.48678	-.00002
#3	-.00028	-.02053	.00250	.07188	.48244	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **175.54**	**.00049**	**.00074**	**-.00037**	**.00162**	**-.00415**
Stddev	.52	.00016	.00019	.00018	.00054	.00152
%RSD	.29886	32.032	25.336	49.072	33.084	36.592
#1	175.86	.00045	.00057	-.00046	.00110	-.00268
#2	175.82	.00066	.00071	-.00049	.00217	-.00406
#3	174.93	.00036	.00094	-.00016	.00160	-.00572
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11558**	**.00196**	**1.8809**	**.19742**	**.00013**	**1.4588**
Stddev	.02553	.00076	.0217	.00035	.00013	.0034
%RSD	22.092	38.835	1.1544	.17741	105.22	.23114
#1	.08627	.00168	1.8735	.19780	.00001	1.4571
#2	.12745	.00283	1.9053	.19711	.00027	1.4627
#3	.13302	.00138	1.8638	.19735	.00009	1.4567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-5-C Acquired: 11/24/2021 7:46:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00072**	**.00252**	**.00093**	**.25307**	**-.00053**
Stddev	.00012	.00260	.00172	.00329	.00580	.00085
%RSD	7.6174	361.23	68.098	353.22	2.2910	160.40
#1	.00152	-.00123	.00254	.00462	.24638	.00039
#2	.00167	.00368	.00080	-.00169	.25648	-.00129
#3	.00143	-.00028	.00423	-.00013	.25636	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20761**	**-.00020**	**.00077**	**.00306**	**.13577**
Stddev	.00782	.00012	.00034	.00227	.00039
%RSD	3.7650	58.043	44.436	74.089	.28762
#1	.19989	-.00013	.00111	.00565	.13574
#2	.21552	-.00033	.00078	.00214	.13618
#3	.20741	-.00014	.00043	.00140	.13540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1942.6**	**3602.4**	**53816.**	**4777.5**
Stddev	3.4	2.8	162.	27.6
%RSD	.17449	.07780	.30096	.57776
#1	1944.0	3600.3	53632.	4745.9
#2	1938.7	3601.2	53882.	4789.8
#3	1945.0	3605.6	53935.	4796.9

Sample Name: CCV 4546440 Acquired: 11/24/2021 7:50:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99759**	**24.240**	**.49657**	**1.9941**	**1.9569**	**1.9971**
Stddev	.00776	.381	.00094	.0054	.0223	.0265
%RSD	.77768	1.5717	.18900	.26942	1.1380	1.3287
#1	.99115	24.000	.49729	2.0000	1.9465	1.9837
#2	.99540	24.041	.49693	1.9894	1.9417	1.9799
#3	1.0062	24.680	.49551	1.9930	1.9824	2.0276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.979**	**.49806**	**2.0002**	**1.9387**	**1.9637**	**24.346**
Stddev	.598	.00037	.0049	.0160	.0145	.305
%RSD	1.2219	.07335	.24535	.82629	.74033	1.2524
#1	48.661	.49846	2.0052	1.9260	1.9495	24.203
#2	48.607	.49795	2.0001	1.9333	1.9631	24.138
#3	49.670	.49776	1.9954	1.9567	1.9785	24.696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.28**	**2.0271**	**48.192**	**1.9214**	**1.9150**	**121.83**
Stddev	1.68	.0243	.692	.0143	.0056	1.90
%RSD	1.4077	1.1977	1.4357	.74333	.29061	1.5557
#1	118.41	2.0151	47.655	1.9099	1.9122	120.87
#2	118.22	2.0112	47.949	1.9168	1.9114	120.60
#3	121.22	2.0551	48.973	1.9374	1.9214	124.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 7:50:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0029**	**.50139**	**.49084**	**.49321**	**1.9748**	**1.8521**
Stddev	.0036	.00185	.00341	.00250	.0441	.0023
%RSD	.18142	.36811	.69434	.50756	2.2314	.12331
#1	2.0069	.50260	.49012	.49042	1.9419	1.8531
#2	2.0021	.50230	.48784	.49526	1.9577	1.8495
#3	1.9998	.49927	.49455	.49396	2.0249	1.8538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9515**	**1.9718**	**.95199**	**1.9679**	**1.9290**
Stddev	.0334	.0150	.00067	.0243	.0013
%RSD	1.7092	.75992	.07004	1.2349	.06580
#1	1.9489	1.9599	.95272	1.9565	1.9276
#2	1.9195	1.9670	.95142	1.9514	1.9302
#3	1.9861	1.9887	.95182	1.9958	1.9291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1812.1**	**3600.3**	**52748.**	**4716.3**
Stddev	3.8	3.2	412.	49.2
%RSD	.21006	.09022	.78093	1.0433
#1	1808.8	3598.1	53099.	4741.6
#2	1811.2	3598.9	52850.	4747.8
#3	1816.3	3604.1	52295.	4659.6

Sample Name: CCB3 Acquired: 11/24/2021 7:55:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.01190**	**-.00040**	**.00165**	**-.00003**	**.00010**
Stddev	.00027	.00826	.00182	.00026	.00030	.00016
%RSD	248.02	69.414	453.72	15.651	1135.9	149.68
#1	-.00042	-.00378	-.00034	.00194	-.00026	-.00002
#2	.00006	-.01162	.00139	.00145	.00031	.00028
#3	.00003	-.02030	-.00225	.00154	-.00013	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00001**	**.00035**	**.00001**	**.00086**	**-.00251**
Stddev	.00176	.00004	.00015	.00044	.00045	.00227
%RSD	2647.5	393.09	41.392	3918.7	52.009	90.737
#1	.00151	.00005	.00020	-.00041	.00124	-.00037
#2	.00026	.00001	.00050	.00046	.00037	-.00225
#3	-.00197	-.00003	.00037	-.00002	.00098	-.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04675**	**.00117**	**-.01426**	**-.00001**	**.00426**	**.01278**
Stddev	.00081	.00066	.03944	.00007	.00045	.00732
%RSD	1.7282	56.443	276.65	1117.3	10.563	57.289
#1	.04669	.00159	.00449	.00004	.00469	.02092
#2	.04759	.00041	-.05957	.00003	.00430	.01068
#3	.04598	.00153	.01232	-.00008	.00379	.00674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 11/24/2021 7:55:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00035**	**.00006**	**-.00315**	**-.00070**	**-.00048**
Stddev	.00032	.00145	.00101	.00311	.00294	.00021
%RSD	771.66	413.60	1818.0	98.780	418.97	44.937
#1	-.00024	-.00174	-.00107	-.00031	.00240	-.00070
#2	-.00002	-.00046	.00089	-.00266	-.00344	-.00046
#3	.00039	.00115	.00034	-.00647	-.00106	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00028**	**.00077**	**.00360**	**-.00002**
Stddev	.00308	.00009	.00095	.00375	.00027
%RSD	596.06	33.104	123.27	103.96	1327.9
#1	-.00293	.00032	.00026	.00404	-.00008
#2	-.00157	.00017	.00018	.00712	.00028
#3	.00295	.00034	.00186	-.00034	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2163.6**	**3832.1**	**56338.**	**4822.1**
Stddev	10.1	14.6	371.	40.8
%RSD	.46676	.38132	.65850	.84536
#1	2157.8	3820.9	55986.	4812.6
#2	2157.7	3826.9	56302.	4787.0
#3	2175.2	3848.6	56726.	4866.8

Sample Name: 180-130267-A-6-C Acquired: 11/24/2021 7:59:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00283**	**-.00027**	**.06253**	**.45786**	**-.00004**
Stddev	.00027	.02732	.00237	.00096	.00588	.00004
%RSD	214.51	964.24	892.00	1.5298	1.2849	84.838
#1	.00032	-.01915	.00204	.06225	.45363	-.00001
#2	-.00018	-.01806	-.00014	.06359	.45537	-.00003
#3	.00024	.02871	-.00270	.06174	.46458	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **174.98**	**.00047**	**.00197**	**-.00028**	**.00111**	**-.00461**
Stddev	2.31	.00004	.00008	.00047	.00032	.00169
%RSD	1.3178	8.4316	3.9182	166.63	28.838	36.720
#1	173.24	.00050	.00189	-.00015	.00146	-.00577
#2	174.10	.00043	.00205	-.00080	.00083	-.00267
#3	177.59	.00049	.00198	.00011	.00105	-.00539
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16784**	**.00281**	**1.8281**	**.21315**	**.00129**	**1.3555**
Stddev	.03104	.00213	.0425	.00007	.00032	.0143
%RSD	18.492	75.636	2.3245	.03185	24.713	1.0522
#1	.14854	.00162	1.8077	.21313	.00162	1.3391
#2	.20364	.00527	1.7997	.21309	.00127	1.3623
#3	.15134	.00156	1.8770	.21322	.00098	1.3651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-6-C Acquired: 11/24/2021 7:59:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00169**	**.00045**	**-.00217**	**.15990**	**-.00135**
Stddev	.00088	.00079	.00161	.00242	.00743	.00050
%RSD	53.258	46.946	357.23	111.53	4.6440	37.369
#1	.00075	.00104	.00013	.00044	.16621	-.00097
#2	.00251	.00257	-.00097	-.00433	.15171	-.00192
#3	.00169	.00146	.00219	-.00261	.16176	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20046**	**-.00009**	**.00191**	**.00496**	**.12238**
Stddev	.00566	.00014	.00086	.00487	.00046
%RSD	2.8221	161.01	45.039	98.043	.37929
#1	.19579	-.00024	.00290	.00646	.12278
#2	.19884	.00004	.00129	.00891	.12250
#3	.20675	-.00006	.00155	-.00048	.12187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.3**	**3610.6**	**53785.**	**4765.0**
Stddev	7.3	12.1	72.	54.3
%RSD	.37673	.33546	.13353	1.1385
#1	1940.3	3606.6	53798.	4802.3
#2	1933.1	3600.9	53849.	4789.8
#3	1947.7	3624.1	53708.	4702.7

Sample Name: MB 180-379980/1-A Acquired: 11/24/2021 8:04:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00040**	**-.00063**	**.00060**	**-.00005**	**-.00003**
Stddev	.00033	.02295	.00281	.00036	.00009	.00008
%RSD	221.11	5753.7	448.93	59.119	190.13	313.21
#1	.00026	.02606	.00262	.00100	-.00000	-.00012
#2	-.00022	-.01491	-.00235	.00048	-.00015	.00002
#3	.00041	-.01235	-.00215	.00032	.00001	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01308**	**-.00005**	**.00009**	**.00025**	**.00201**	**.00294**
Stddev	.00507	.00016	.00007	.00058	.00061	.00204
%RSD	38.767	307.40	73.135	232.20	30.387	69.398
#1	.01795	.00011	.00001	-.00020	.00186	.00059
#2	.01348	-.00022	.00014	.00004	.00149	.00420
#3	.00783	-.00005	.00012	.00090	.00269	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05249**	**-.00002**	**-.00071**	**.00003**	**.00057**	**-.00669**
Stddev	.03845	.00103	.01292	.00002	.00027	.00330
%RSD	73.241	6355.2	1811.9	64.680	46.975	49.231
#1	-.07465	.00011	-.00090	.00002	.00087	-.00291
#2	-.00810	.00094	.01230	.00005	.00046	-.00891
#3	-.07473	-.00110	-.01354	.00002	.00037	-.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379980/1-A Acquired: 11/24/2021 8:04:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00050**	**.00100**	**-.00354**	**.01048**	**.00002**
Stddev	.00057	.00149	.00052	.00175	.00217	.00059
%RSD	1419.5	299.40	51.693	49.289	20.749	3407.3
#1	-.00034	-.00191	.00088	-.00413	.01110	-.00058
#2	.00062	.00106	.00056	-.00158	.00806	.00060
#3	-.00041	-.00065	.00157	-.00492	.01228	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01020**	**-.00000**	**.00046**	**-.00094**	**.00050**
Stddev	.00302	.00013	.00213	.00279	.00011
%RSD	29.629	36327.	461.33	296.68	21.184
#1	-.01353	-.00015	-.00166	.00215	.00062
#2	-.00944	.00011	.00044	-.00327	.00043
#3	-.00763	.00004	.00260	-.00170	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.7**	**3801.9**	**55858.**	**4853.8**
Stddev	3.1	10.1	671.	12.1
%RSD	.14717	.26579	1.2006	.24831
#1	2136.7	3807.4	56123.	4839.9
#2	2139.8	3808.2	55095.	4859.7
#3	2133.5	3790.3	56355.	4861.7

Sample Name: LCS 180-379980/2-A Acquired: 11/24/2021 8:09:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26959**	**5.3287**	**1.1192**	**1.4146**	**1.0682**	**.54517**
Stddev	.00368	.0468	.0042	.0046	.0051	.00310
%RSD	1.3668	.87849	.37644	.32886	.47899	.56890
#1	.27368	5.3040	1.1186	1.4166	1.0741	.54848
#2	.26652	5.3826	1.1153	1.4093	1.0658	.54233
#3	.26856	5.2993	1.1237	1.4179	1.0647	.54470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.833**	**.54521**	**.53340**	**.53156**	**.53508**	**5.3344**
Stddev	.159	.00081	.00035	.00342	.00867	.0177
%RSD	.59119	.14809	.06501	.64328	1.6204	.33192
#1	27.016	.54584	.53316	.53546	.54503	5.3507
#2	26.753	.54430	.53325	.52907	.52912	5.3156
#3	26.730	.54549	.53380	.53015	.53109	5.3370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.934**	**.54234**	**26.171**	**.53180**	**.51403**	**26.448**
Stddev	.149	.00208	.162	.00533	.00254	.118
%RSD	.57466	.38347	.61720	1.0029	.49436	.44592
#1	26.013	.54452	26.271	.53782	.51365	26.453
#2	25.762	.54212	25.985	.52768	.51171	26.328
#3	26.026	.54037	26.259	.52989	.51675	26.564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379980/2-A Acquired: 11/24/2021 8:09:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53080**	**.53032**	**.25931**	**1.1255**	**1.1101**	**1.0321**
Stddev	.00006	.00109	.00145	.0053	.0122	.0019
%RSD	.01057	.20517	.56082	.46652	1.0971	.18535
#1	.53083	.52998	.25792	1.1277	1.1224	1.0312
#2	.53074	.52944	.25918	1.1195	1.1097	1.0309
#3	.53084	.53153	.26082	1.1292	1.0981	1.0343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.53774**	**.54409**	**1.0531**	**.53293**	**.27019**
Stddev	.00186	.00593	.0031	.00244	.00013
%RSD	.34546	1.0900	.28937	.45725	.04835
#1	.53977	.55086	1.0502	.53541	.27032
#2	.53611	.53979	1.0563	.53054	.27018
#3	.53735	.54162	1.0528	.53284	.27006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1960.2**	**3688.2**	**54380.**	**4860.8**
Stddev	3.7	5.9	552.	25.6
%RSD	.19073	.16087	1.0156	.52642
#1	1964.2	3693.1	53759.	4856.9
#2	1959.7	3689.9	54817.	4888.1
#3	1956.8	3681.6	54563.	4837.4

Sample Name: 180-130071-B-1-A Acquired: 11/24/2021 8:13:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**5.9668**	**.00549**	**.02955**	**.04392**	**.00016**
Stddev	.00020	.0125	.00298	.00061	.00036	.00004
%RSD	120.96	.20961	54.341	2.0791	.82883	26.545
#1	.00038	5.9551	.00872	.03024	.04363	.00020
#2	.00014	5.9653	.00488	.02905	.04433	.00012
#3	-.00002	5.9800	.00285	.02937	.04380	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.07**	**.00043**	**.00168**	**.01456**	**.00902**	**4.9113**
Stddev	.88	.00019	.00040	.00078	.00036	.0470
%RSD	.50378	44.560	23.733	5.3290	4.0414	.95612
#1	175.18	.00033	.00207	.01473	.00885	4.9283
#2	175.90	.00030	.00172	.01524	.00944	4.9474
#3	174.14	.00065	.00127	.01371	.00877	4.8582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2854**	**.00781**	**11.191**	**.05509**	**.00431**	**1.8357**
Stddev	.0428	.00039	.116	.00008	.00035	.0188
%RSD	1.3017	4.9551	1.0392	.13817	8.1969	1.0249
#1	3.3225	.00763	11.178	.05502	.00471	1.8464
#2	3.2387	.00755	11.314	.05517	.00415	1.8469
#3	3.2952	.00826	11.082	.05507	.00406	1.8140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130071-B-1-A Acquired: 11/24/2021 8:13:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00825**	**.00575**	**.00248**	**.00286**	**17.888**	**.00296**
Stddev	.00037	.00161	.00161	.00103	.159	.00092
%RSD	4.5266	27.996	64.966	35.929	.89083	31.118
#1	.00861	.00440	.00416	.00229	18.070	.00251
#2	.00826	.00753	.00094	.00224	17.824	.00402
#3	.00787	.00531	.00236	.00404	17.771	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.69599**	**.23072**	**.00048**	**.01924**	**.08987**
Stddev	.00701	.02120	.00158	.00288	.00026
%RSD	1.0070	9.1874	326.39	14.994	.28685
#1	.68899	.25495	-.00133	.02238	.08970
#2	.70301	.21559	.00129	.01862	.08974
#3	.69596	.22164	.00149	.01672	.09016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.3**	**3589.0**	**53913.**	**4789.4**
Stddev	5.7	6.5	174.	28.8
%RSD	.29608	.18073	.32353	.60074
#1	1926.3	3594.1	53929.	4772.4
#2	1930.3	3591.1	53731.	4773.1
#3	1919.1	3581.7	54079.	4822.6

Sample Name: 180-130049-D-1-A Acquired: 11/24/2021 8:18:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.15814**	**.00206**	**.03934**	**.03713**	**-.00001**
Stddev	.00023	.01070	.00102	.00058	.00045	.00013
%RSD	137.83	6.7676	49.592	1.4682	1.2140	2596.7
#1	.00019	.16697	.00282	.03870	.03690	-.00014
#2	-.00007	.14624	.00245	.03982	.03765	-.00000
#3	.00039	.16120	.00090	.03948	.03685	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.463**	**.00006**	**.00054**	**.00035**	**.02037**	**.84290**
Stddev	.099	.00007	.00025	.00050	.00057	.00468
%RSD	.38909	120.59	46.843	143.74	2.8129	.55539
#1	25.509	.00008	.00033	-.00011	.02103	.84773
#2	25.529	.00012	.00082	.00089	.02002	.84259
#3	25.349	-.00002	.00047	.00027	.02006	.83838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4701**	**.00332**	**5.7432**	**.04280**	**.56966**	**36.850**
Stddev	.0402	.00155	.0628	.00004	.00065	.127
%RSD	1.6261	46.526	1.0933	.09996	.11380	.34390
#1	2.5152	.00266	5.7176	.04284	.56898	36.937
#2	2.4569	.00222	5.8147	.04276	.56972	36.909
#3	2.4382	.00509	5.6972	.04278	.57027	36.705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130049-D-1-A Acquired: 11/24/2021 8:18:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00927**	**-.00010**	**.00357**	**-.00145**	**2.5267**	**.00177**
Stddev	.00051	.00120	.00146	.00165	.0221	.00063
%RSD	5.5534	1153.6	40.791	113.44	.87378	35.570
#1	.00881	-.00004	.00233	-.00261	2.5379	.00136
#2	.00917	-.00134	.00320	-.00218	2.5410	.00145
#3	.00983	.00107	.00517	.00043	2.5013	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12393**	**.00141**	**.00194**	**.00184**	**.07887**
Stddev	.00347	.00030	.00100	.00191	.00032
%RSD	2.8030	21.596	51.777	103.81	.40111
#1	.11995	.00110	.00078	-.00014	.07923
#2	.12631	.00170	.00253	.00366	.07869
#3	.12555	.00142	.00250	.00198	.07869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2019.9**	**3701.2**	**55011.**	**4801.6**
Stddev	1.0	5.2	115.	15.6
%RSD	.05154	.14122	.20952	.32442
#1	2019.2	3705.2	54892.	4790.5
#2	2019.4	3695.3	55123.	4794.9
#3	2021.1	3703.2	55017.	4819.4

Sample Name: 180-130114-F-3-A Acquired: 11/24/2021 8:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.07610**	**.00690**	**.26807**	**.59153**	**-.00005**
Stddev	.00030	.02503	.00254	.00312	.00207	.00011
%RSD	84.863	32.891	36.873	1.1633	.34924	244.03
#1	-.00038	.09966	.00971	.26639	.58926	.00005
#2	-.00064	.04982	.00476	.26615	.59331	-.00002
#3	-.00004	.07881	.00622	.27167	.59201	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**131.15**	**-.00002**	**.00044**	**-.00054**	**.00153**	**3.4730**
Stddev	.48	.00004	.00022	.00061	.00049	.0113
%RSD	.36744	274.58	50.276	112.22	31.950	.32424
#1	130.72	-.00006	.00058	-.00098	.00109	3.4708
#2	131.67	.00003	.00055	.00015	.00205	3.4852
#3	131.05	-.00002	.00018	-.00080	.00145	3.4630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5537**	**.01984**	**26.813**	**.34383**	**.00331**	**102.75**
Stddev	.0551	.00138	.106	.00094	.00019	.25
%RSD	1.2104	6.9768	.39687	.27417	5.8471	.23896
#1	4.5323	.01911	26.746	.34491	.00346	102.54
#2	4.6163	.02143	26.936	.34334	.00337	103.02
#3	4.5125	.01897	26.758	.34323	.00309	102.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130114-F-3-A Acquired: 11/24/2021 8:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00124**	**.00025**	**-.00040**	**8.4090**	**.00080**
Stddev	.00055	.00096	.00178	.00162	.0694	.00111
%RSD	1822.2	76.766	713.70	406.24	.82589	137.99
#1	.00037	.00118	.00185	.00069	8.3360	.00059
#2	.00032	.00032	.00057	-.00226	8.4743	-.00018
#3	-.00060	.00223	-.00167	.00037	8.4166	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41335**	**.00004**	**.00126**	**.00196**	**-.00038**
Stddev	.00851	.00018	.00239	.00457	.00008
%RSD	2.0585	393.99	190.22	233.61	21.270
#1	.40662	.00017	.00032	.00454	-.00031
#2	.41052	-.00016	.00397	.00465	-.00036
#3	.42291	.00013	-.00052	-.00332	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1841.9**	**3527.1**	**52838.**	**4756.0**
Stddev	25.5	48.1	211.	15.6
%RSD	1.3840	1.3648	.39849	.32705
#1	1857.3	3561.2	52620.	4764.2
#2	1855.8	3548.1	53040.	4738.1
#3	1812.4	3472.0	52855.	4765.8

Sample Name: 180-130114-F-4-A Acquired: 11/24/2021 8:27:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00102**	**.00340**	**.39253**	**.67985**	**-.00002**
Stddev	.00017	.01624	.00246	.00334	.00816	.00015
%RSD	99.291	1589.5	72.330	.85049	1.2003	880.74
#1	.00002	.00093	.00225	.39177	.68125	-.00005
#2	-.00031	.01731	.00622	.39619	.68722	.00015
#3	-.00023	-.01518	.00172	.38964	.67108	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**140.82**	**.00010**	**.00060**	**.00043**	**.00089**	**.16308**
Stddev	1.21	.00011	.00017	.00036	.00011	.00110
%RSD	.86220	108.80	28.694	83.729	12.736	.67652
#1	140.68	.00005	.00075	.00051	.00078	.16421
#2	142.10	.00002	.00065	.00004	.00090	.16302
#3	139.68	.00022	.00041	.00075	.00100	.16200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3579**	**.03943**	**31.739**	**.08222**	**.00093**	**216.87**
Stddev	.0368	.00066	.385	.00008	.00028	3.13
%RSD	.84525	1.6810	1.2114	.10094	30.317	1.4431
#1	4.3773	.03878	31.670	.08225	.00103	220.37
#2	4.3808	.04010	32.153	.08228	.00062	215.91
#3	4.3154	.03942	31.394	.08212	.00116	214.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130114-F-4-A Acquired: 11/24/2021 8:27:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.00312**	**-.00054**	**-.00404**	**6.7808**	**.00156**
Stddev	.00018	.00177	.00121	.00252	.0615	.00031
%RSD	10.457	56.810	224.31	62.383	.90713	20.158
#1	.00192	.00184	-.00006	-.00343	6.8062	.00129
#2	.00180	.00238	-.00192	-.00682	6.8255	.00149
#3	.00156	.00514	.00036	-.00189	6.7107	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.64839**	**.00012**	**.00130**	**.00423**	**.00416**
Stddev	.01231	.00008	.00105	.00238	.00014
%RSD	1.8982	65.557	81.113	56.322	3.2898
#1	.64603	.00016	.00123	.00275	.00405
#2	.66170	.00018	.00238	.00296	.00431
#3	.63743	.00003	.00028	.00697	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1789.4**	**3484.4**	**51504.**	**4670.9**
Stddev	13.3	21.1	83.	27.7
%RSD	.74506	.60509	.16032	.59210
#1	1797.6	3492.2	51488.	4694.4
#2	1774.0	3460.6	51593.	4640.4
#3	1796.6	3500.5	51430.	4677.9

Sample Name: 180-130165-C-1-A DU Acquired: 11/24/2021 8:31:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.31081**	**.00590**	**8.2448**	**.02729**	**.00005**
Stddev	.00029	.03654	.00246	.0165	.00010	.00006
%RSD	83.211	11.756	41.746	.20069	.35251	109.98
#1	-.00064	.32095	.00721	8.2639	.02719	.00002
#2	-.00005	.34121	.00744	8.2354	.02737	.00012
#3	-.00037	.27028	.00306	8.2351	.02732	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.680**	**-.00002**	**.00136**	**.00014**	**.00041**	**.13371**
Stddev	.045	.00009	.00024	.00009	.00022	.00040
%RSD	.13360	531.29	17.481	66.842	54.492	.30179
#1	33.731	.00001	.00114	.00011	.00015	.13327
#2	33.646	-.00011	.00161	.00025	.00056	.13381
#3	33.663	.00005	.00131	.00007	.00052	.13406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8352**	**.00982**	**2.2305**	**.00623**	**.00234**	**328.20**
Stddev	.0240	.00086	.0119	.00003	.00006	2.92
%RSD	.62463	8.7645	.53301	.48715	2.6828	.88985
#1	3.8467	.00911	2.2327	.00623	.00232	331.53
#2	3.8512	.00957	2.2411	.00626	.00229	326.05
#3	3.8077	.01077	2.2176	.00620	.00241	327.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1-A DU Acquired: 11/24/2021 8:31:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00030**	**.00352**	**-.00321**	**2.4867**	**.00242**
Stddev	.00018	.00153	.00076	.00201	.0073	.00019
%RSD	3.8089	515.99	21.700	62.536	.29153	7.9326
#1	.00472	.00205	.00387	-.00422	2.4832	.00263
#2	.00493	-.00075	.00405	-.00451	2.4950	.00235
#3	.00457	-.00041	.00265	-.00090	2.4819	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12428**	**.00025**	**.00040**	**.00202**	**.02136**
Stddev	.00322	.00015	.00182	.00507	.00007
%RSD	2.5897	60.216	461.03	251.07	.33079
#1	.12424	.00040	.00059	.00778	.02137
#2	.12752	.00028	-.00152	-.00173	.02128
#3	.12108	.00009	.00211	-.00000	.02142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1829.1**	**3577.5**	**52118.**	**4745.9**
Stddev	4.6	4.1	191.	15.6
%RSD	.25371	.11526	.36661	.32868
#1	1824.3	3572.8	52052.	4731.7
#2	1829.2	3579.1	51968.	4743.3
#3	1833.6	3580.6	52333.	4762.6

Sample Name: 180-130165-C-1-B Acquired: 11/24/2021 8:36:39 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.29946**	**.00586**	**8.2678**	**.02721**	**.00006**
Stddev	.00021	.01861	.00281	.0812	.00042	.00012
%RSD	135.88	6.2151	47.990	.98194	1.5569	200.48
#1	-.00002	.27845	.00265	8.2040	.02768	.00003
#2	-.00039	.31390	.00704	8.2402	.02684	.00020
#3	-.00005	.30602	.00788	8.3591	.02712	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.480**	**-.00012**	**.00133**	**.00020**	**.00075**	**.13833**
Stddev	.124	.00006	.00022	.00024	.00060	.00398
%RSD	.36899	48.347	16.505	121.73	79.973	2.8750
#1	33.621	-.00019	.00143	-.00000	.00035	.14215
#2	33.431	-.00008	.00108	.00047	.00046	.13421
#3	33.388	-.00009	.00148	.00013	.00145	.13865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8544**	**.01045**	**2.1839**	**.00618**	**.00205**	**320.61**
Stddev	.0557	.00029	.0188	.00009	.00012	2.82
%RSD	1.4448	2.7650	.86200	1.4153	5.6125	.87894
#1	3.9125	.01065	2.1982	.00619	.00200	319.97
#2	3.8494	.01012	2.1910	.00627	.00197	318.17
#3	3.8014	.01058	2.1626	.00609	.00218	323.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1-B Acquired: 11/24/2021 8:36:39 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00020**	**.00242**	**-.00297**	**2.4655**	**.00129**
Stddev	.00040	.00107	.00143	.00119	.0143	.00038
%RSD	8.8025	521.92	59.312	40.162	.57980	29.428
#1	.00482	.00130	.00252	-.00404	2.4706	.00105
#2	.00470	-.00082	.00094	-.00319	2.4493	.00109
#3	.00407	.00013	.00380	-.00168	2.4765	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12303**	**.00073**	**.00200**	**.00225**	**.02169**
Stddev	.01358	.00074	.00036	.00262	.00009
%RSD	11.038	102.26	17.843	116.33	.40205
#1	.12846	.00038	.00238	.00307	.02167
#2	.10757	.00158	.00194	.00436	.02161
#3	.13305	.00022	.00167	-.00068	.02178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1806.2**	**3548.4**	**51841.**	**4709.5**
Stddev	11.1	23.2	101.	15.2
%RSD	.61295	.65334	.19452	.32244
#1	1813.5	3563.4	51863.	4694.2
#2	1811.5	3560.1	51731.	4724.6
#3	1793.4	3521.7	51928.	4709.8

Sample Name: 180-130165-C-1B SD@5 Acquired: 11/24/2021 8:41:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.04880**	**.00085**	**1.6533**	**.00587**	**-.00001**
Stddev	.00054	.02816	.00214	.0037	.00007	.00018
%RSD	18251.	57.699	252.42	.22259	1.2242	2626.5
#1	.00057	.07710	-.00141	1.6548	.00589	.00018
#2	-.00007	.04850	.00110	1.6491	.00593	-.00002
#3	-.00050	.02079	.00285	1.6560	.00579	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9807**	**.00000**	**.00036**	**.00012**	**-.00001**	**.03154**
Stddev	.0261	.00003	.00008	.00037	.00022	.00255
%RSD	.37440	4741.2	23.083	321.71	2306.3	8.0981
#1	6.9617	-.00003	.00030	.00030	.00023	.02871
#2	7.0105	-.00001	.00046	-.00031	-.00019	.03224
#3	6.9699	.00004	.00034	.00036	-.00008	.03367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85402**	**.00373**	**.41321**	**.00127**	**.00052**	**67.237**
Stddev	.03268	.00094	.00951	.00005	.00003	.276
%RSD	3.8267	25.144	2.3026	4.2929	5.2655	.41012
#1	.84268	.00454	.40231	.00124	.00054	66.918
#2	.89086	.00393	.41989	.00133	.00052	67.398
#3	.82852	.00270	.41741	.00123	.00049	67.394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1B SD@5 Acquired: 11/24/2021 8:41:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00064**	**-.00024**	**-.00250**	**.49711**	**-.00072**
Stddev	.00057	.00102	.00133	.00064	.01735	.00075
%RSD	68.739	158.94	556.24	25.592	3.4904	103.43
#1	.00082	-.00175	.00022	-.00248	.50300	-.00010
#2	.00140	-.00043	.00080	-.00187	.51074	-.00052
#3	.00026	.00025	-.00174	-.00314	.47758	-.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02378**	**-.00009**	**.00122**	**.00081**	**.00434**
Stddev	.00290	.00005	.00157	.00254	.00018
%RSD	12.216	55.155	129.09	313.65	4.1036
#1	.02588	-.00008	.00257	-.00192	.00451
#2	.02499	-.00005	-.00050	.00126	.00435
#3	.02046	-.00015	.00158	.00308	.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1984.7**	**3668.9**	**53826.**	**4738.5**
Stddev	5.7	8.2	151.	15.4
%RSD	.28707	.22271	.27990	.32583
#1	1978.6	3659.6	53842.	4751.7
#2	1985.9	3672.6	53968.	4721.5
#3	1989.8	3674.6	53668.	4742.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 8:46:04 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99718**	**24.370**	**.49948**	**2.0234**	**1.9860**	**2.0210**
Stddev	.00033	.071	.00119	.0024	.0026	.0060
%RSD	.03275	.29275	.23920	.11609	.13146	.29495
#1	.99683	24.323	.50082	2.0237	1.9877	2.0148
#2	.99748	24.452	.49852	2.0209	1.9872	2.0267
#3	.99722	24.334	.49909	2.0255	1.9830	2.0215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.505**	**.50089**	**2.0119**	**1.9559**	**1.9602**	**24.688**
Stddev	.144	.00054	.0033	.0041	.0030	.063
%RSD	.29090	.10707	.16548	.21172	.15207	.25325
#1	49.670	.50123	2.0082	1.9537	1.9624	24.682
#2	49.438	.50027	2.0128	1.9607	1.9568	24.754
#3	49.406	.50117	2.0147	1.9533	1.9613	24.629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.76**	**2.0294**	**48.636**	**1.9370**	**1.9190**	**123.06**
Stddev	.59	.0044	.155	.0033	.0022	.78
%RSD	.48539	.21683	.31846	.17110	.11267	.63395
#1	120.11	2.0334	48.500	1.9371	1.9204	122.20
#2	121.24	2.0302	48.602	1.9403	1.9165	123.71
#3	120.95	2.0247	48.804	1.9337	1.9202	123.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 8:46:04 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0247**	**.50620**	**.49349**	**.50452**	**2.0045**	**1.8680**
Stddev	.0049	.00374	.00194	.00411	.0099	.0017
%RSD	.24274	.73801	.39373	.81512	.49589	.08957
#1	2.0194	.50334	.49477	.50878	2.0027	1.8673
#2	2.0291	.51043	.49445	.50419	1.9957	1.8669
#3	2.0257	.50484	.49126	.50057	2.0153	1.8699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9875**	**1.9821**	**.95403**	**1.9876**	**1.9528**
Stddev	.0112	.0043	.00048	.0171	.0019
%RSD	.56279	.21952	.05038	.86075	.09555
#1	1.9828	1.9826	.95363	1.9943	1.9513
#2	1.9794	1.9862	.95390	2.0003	1.9523
#3	2.0003	1.9775	.95457	1.9681	1.9549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.9**	**3584.0**	**52578.**	**4686.9**
Stddev	3.9	3.0	109.	7.1
%RSD	.21377	.08475	.20782	.15206
#1	1810.2	3581.2	52529.	4680.1
#2	1804.7	3587.2	52502.	4694.3
#3	1802.8	3583.6	52703.	4686.2

Sample Name: CCB4 Acquired: 11/24/2021 8:50:27 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00575**	**.00037**	**.00676**	**.00003**	**.00013**
Stddev	.00021	.03397	.00222	.00053	.00002	.00007
%RSD	72.140	590.29	593.76	7.8950	68.392	52.133
#1	.00041	.02859	.00140	.00735	.00003	.00011
#2	.00005	-.03328	.00190	.00661	.00006	.00007
#3	.00039	.02196	-.00218	.00632	.00001	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00009**	**.00006**	**.00029**	**.00033**	**.00003**
Stddev	.00517	.00013	.00014	.00056	.00055	.00207
%RSD	1479.9	139.51	234.10	191.79	167.44	7110.8
#1	.00317	-.00002	.00005	.00035	.00097	.00220
#2	.00350	.00023	-.00008	.00081	.00004	-.00021
#3	-.00562	.00007	.00020	-.00030	-.00001	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10568**	**.00186**	**-.00876**	**.00001**	**.00474**	**.07408**
Stddev	.03260	.00104	.01261	.00000	.00069	.00706
%RSD	30.849	55.972	143.92	15.891	14.526	9.5247
#1	.08683	.00264	-.02000	.00001	.00549	.07542
#2	.14332	.00228	-.01118	.00002	.00457	.06645
#3	.08688	.00068	.00488	.00001	.00414	.08036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 11/24/2021 8:50:27 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00051**	**.00071**	**-.00317**	**-.00450**	**-.00083**
Stddev	.00027	.00035	.00092	.00024	.00404	.00063
%RSD	51.896	68.245	130.16	7.5825	89.855	76.026
#1	.00028	-.00090	.00034	-.00291	-.00598	-.00152
#2	.00045	-.00036	.00003	-.00338	.00008	-.00027
#3	.00080	-.00026	.00176	-.00322	-.00759	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00014**	**.00038**	**.00177**	**.00008**
Stddev	.00344	.00014	.00047	.00492	.00044
%RSD	255.48	100.20	123.77	278.50	542.41
#1	.00196	-.00001	.00084	-.00268	-.00014
#2	-.00490	.00017	.00040	.00705	.00059
#3	-.00110	.00027	-.00010	.00093	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.0**	**3789.5**	**56094.**	**4729.6**
Stddev	2.1	7.2	158.	15.4
%RSD	.09664	.19092	.28241	.32567
#1	2134.0	3781.3	56266.	4746.1
#2	2135.8	3792.1	55955.	4727.0
#3	2138.1	3795.0	56059.	4715.6

Sample Name: 180-130165-B-1-B MS Acquired: 11/24/2021 8:55:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26563**	**5.5196**	**1.1080**	**9.9421**	**1.0551**	**.53131**
Stddev	.00070	.0066	.0014	.0092	.0079	.00403
%RSD	.26358	.11877	.12590	.09261	.74891	.75896
#1	.26552	5.5199	1.1093	9.9423	1.0461	.52667
#2	.26638	5.5129	1.1065	9.9327	1.0610	.53334
#3	.26499	5.5260	1.1081	9.9511	1.0581	.53394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.185**	**.53318**	**.53520**	**.51068**	**.52582**	**5.3609**
Stddev	.273	.00056	.00101	.00160	.00143	.0189
%RSD	.44637	.10591	.18846	.31358	.27205	.35299
#1	60.895	.53260	.53636	.50996	.52671	5.3420
#2	61.437	.53372	.53472	.51251	.52658	5.3610
#3	61.224	.53323	.53452	.50957	.52417	5.3798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.806**	**.55324**	**28.001**	**.51137**	**.49540**	**370.68**
Stddev	.239	.00285	.291	.00139	.00172	3.81
%RSD	.77719	.51463	1.0383	.27160	.34727	1.0288
#1	30.530	.55009	27.669	.51083	.49479	367.15
#2	30.946	.55563	28.125	.51295	.49406	374.72
#3	30.943	.55399	28.210	.51034	.49734	370.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-B-1-B MS Acquired: 11/24/2021 8:55:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53233**	**.52203**	**.25413**	**1.0842**	**3.6864**	**.97736**
Stddev	.00204	.00104	.00179	.0013	.0208	.00061
%RSD	.38400	.19937	.70273	.11713	.56365	.06233
#1	.53366	.52276	.25552	1.0842	3.6630	.97772
#2	.53336	.52248	.25212	1.0829	3.7027	.97666
#3	.52997	.52083	.25475	1.0855	3.6937	.97770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.64425**	**.52319**	**.97815**	**.52034**	**.28470**
Stddev	.00811	.00070	.00171	.00300	.00040
%RSD	1.2591	.13434	.17532	.57662	.14105
#1	.63531	.52314	.97998	.52379	.28481
#2	.64632	.52391	.97790	.51837	.28504
#3	.65113	.52251	.97658	.51884	.28426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1768.7**	**3531.5**	**51721.**	**4657.6**
Stddev	.6	4.8	146.	28.4
%RSD	.03319	.13522	.28191	.60889
#1	1768.6	3536.1	51610.	4690.3
#2	1768.1	3531.8	51667.	4639.5
#3	1769.3	3526.6	51886.	4643.1

Sample Name: MB 180-379951/1-A Acquired: 11/24/2021 8:59:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00791**	**.00105**	**.01136**	**.00015**	**.00000**
Stddev	.00035	.02156	.00101	.00103	.00003	.00011
%RSD	736.69	272.49	96.402	9.1038	20.842	2186.0
#1	.00019	.03217	.00217	.01228	.00011	-.00010
#2	.00031	.00064	.00021	.01157	.00017	-.00001
#3	-.00035	-.00907	.00076	.01024	.00017	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01935**	**.00006**	**.00008**	**.00044**	**.00131**	**-.00027**
Stddev	.00250	.00013	.00018	.00035	.00059	.00127
%RSD	12.920	220.65	243.74	81.331	45.423	471.59
#1	.02016	.00013	-.00013	.00020	.00199	-.00069
#2	.02134	-.00009	.00022	.00084	.00098	-.00127
#3	.01654	.00014	.00014	.00027	.00094	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10198**	**.00220**	**-.00477**	**.00073**	**.00300**	**.12722**
Stddev	.01743	.00090	.00900	.00005	.00072	.00957
%RSD	17.093	41.018	188.89	6.1491	24.063	7.5234
#1	.10820	.00324	-.01498	.00072	.00368	.13814
#2	.08229	.00157	.00203	.00078	.00307	.12027
#3	.11544	.00180	-.00136	.00069	.00224	.12326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379951/1-A Acquired: 11/24/2021 8:59:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00130**	**.00117**	**.00011**	**-.00254**	**.00723**
Stddev	.00049	.00100	.00094	.00113	.00953	.00096
%RSD	1857.6	77.001	79.946	1039.9	374.62	13.275
#1	.00049	-.00118	.00178	.00138	-.01172	.00612
#2	-.00007	-.00236	.00009	-.00029	.00730	.00769
#3	-.00050	-.00037	.00164	-.00076	-.00321	.00787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00438**	**.00017**	**-.00036**	**.00135**	**.00052**
Stddev	.00608	.00013	.00081	.00222	.00018
%RSD	138.81	73.207	228.28	164.57	34.658
#1	-.00207	.00032	.00002	.00225	.00037
#2	.00522	.00009	-.00129	-.00118	.00072
#3	.01000	.00011	.00020	.00299	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.7**	**3803.1**	**56000.**	**4796.7**
Stddev	8.1	10.7	201.	38.4
%RSD	.38074	.28011	.35824	.79986
#1	2127.9	3790.9	55892.	4816.5
#2	2138.3	3807.7	56232.	4752.5
#3	2143.9	3810.7	55877.	4821.1

Sample Name: LCS 180-379951/2-A Acquired: 11/24/2021 9:04:17 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23208**	**4.7744**	**.95902**	**1.2070**	**.95653**	**.49346**
Stddev	.00095	.0459	.00241	.0038	.00163	.00057
%RSD	.40726	.96152	.25167	.31471	.17071	.11468
#1	.23180	4.7234	.95927	1.2077	.95468	.49281
#2	.23131	4.8124	.96130	1.2105	.95777	.49385
#3	.23313	4.7875	.95649	1.2030	.95715	.49372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.033**	**.47255**	**.47030**	**.47514**	**.48207**	**4.7648**
Stddev	.028	.00141	.00111	.00127	.00102	.0055
%RSD	.11608	.29829	.23507	.26791	.21232	.11466
#1	24.015	.47380	.46944	.47581	.48206	4.7632
#2	24.019	.47282	.46991	.47367	.48106	4.7709
#3	24.065	.47102	.47154	.47593	.48311	4.7603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.955**	**.49605**	**23.519**	**.47529**	**.46885**	**23.631**
Stddev	.038	.00141	.078	.00156	.00135	.017
%RSD	.16706	.28348	.33320	.32784	.28802	.07105
#1	22.926	.49766	23.457	.47613	.47037	23.632
#2	22.998	.49544	23.493	.47349	.46841	23.647
#3	22.941	.49506	23.607	.47624	.46778	23.614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379951/2-A Acquired: 11/24/2021 9:04:17 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46696**	**.46256**	**.22040**	**.93422**	**.98035**	**.93479**
Stddev	.00110	.00229	.00312	.00519	.00279	.00212
%RSD	.23590	.49444	1.4176	.55554	.28413	.22645
#1	.46604	.46460	.21861	.93937	.98342	.93684
#2	.46668	.46298	.22401	.93430	.97799	.93493
#3	.46818	.46009	.21858	.92899	.97965	.93261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48229**	**.48907**	**.88876**	**.47595**	**.23339**
Stddev	.00547	.00087	.00062	.00373	.00021
%RSD	1.1344	.17830	.07000	.78422	.08855
#1	.47601	.48884	.88855	.47481	.23354
#2	.48481	.48833	.88826	.48012	.23315
#3	.48605	.49003	.88946	.47292	.23347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1974.2**	**3689.8**	**54165.**	**4736.5**
Stddev	1.8	11.8	234.	30.1
%RSD	.08933	.31882	.43164	.63518
#1	1972.2	3678.4	53969.	4701.8
#2	1975.1	3688.9	54424.	4753.4
#3	1975.4	3701.9	54103.	4754.4

Sample Name: 180-130094-B-1-C Acquired: 11/24/2021 9:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00705**	**9.0493**	**.01080**	**.37047**	**2.6815**	**.00492**
Stddev	.00037	.0357	.00202	.00115	.0039	.00011
%RSD	5.2617	.39503	18.667	.31030	.14695	2.1588
#1	.00709	9.0326	.00931	.37150	2.6845	.00484
#2	.00740	9.0904	.00999	.37067	2.6830	.00488
#3	.00666	9.0250	.01309	.36923	2.6770	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**152.88**	**.00754**	**.12083**	**.05367**	**.64975**	**5.3996**
Stddev	.35	.00002	.00024	.00051	.00096	.0340
%RSD	.22877	.20585	.20203	.95068	.14831	.62891
#1	152.48	.00756	.12095	.05384	.64963	5.3616
#2	153.13	.00753	.12054	.05407	.65077	5.4270
#3	153.03	.00754	.12098	.05309	.64885	5.4102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92403**	**.00937**	**9.4244**	F **51.099**	**.03448**	**1.6829**
Stddev	.04491	.00141	.0780	.160	.00034	.0088
%RSD	4.8603	15.037	.82715	.31336	.98025	.52005
#1	.88611	.00792	9.3356	51.242	.03452	1.6740
#2	.91235	.00946	9.4813	50.926	.03479	1.6832
#3	.97363	.01073	9.4564	51.130	.03412	1.6915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-C Acquired: 11/24/2021 9:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10268**	**.01131**	**.00108**	**.02853**	**4.0614**	**.03719**
Stddev	.00064	.00068	.00103	.00348	.0329	.00116
%RSD	.62118	6.0274	95.373	12.201	.81078	3.1060
#1	.10292	.01207	.00012	.03036	4.0380	.03851
#2	.10196	.01076	.00216	.02451	4.0991	.03633
#3	.10316	.01110	.00096	.03070	4.0472	.03675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.89232**	**.71814**	**.01450**	**.11355**	**.45264**
Stddev	.00987	.00094	.00078	.00190	.00046
%RSD	1.1064	.13121	5.3919	1.6774	.10066
#1	.88100	.71708	.01395	.11141	.45243
#2	.89676	.71842	.01415	.11420	.45316
#3	.89919	.71890	.01539	.11505	.45232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1908.0**	**3720.9**	**55408.**	**4899.9**
Stddev	1.9	4.3	140.	34.2
%RSD	.10054	.11666	.25343	.69733
#1	1907.1	3721.7	55500.	4939.0
#2	1910.2	3716.2	55246.	4875.7
#3	1906.7	3724.8	55477.	4885.1

Sample Name: 180-130094-B-1C SD@5 Acquired: 11/24/2021 9:13:20 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**1.7733**	**.00402**	**.07552**	**.53153**	**.00097**
Stddev	.00063	.0111	.00310	.00062	.00147	.00010
%RSD	39.435	.62530	77.029	.82574	.27697	10.474
#1	.00151	1.7682	.00327	.07558	.53016	.00096
#2	.00102	1.7860	.00742	.07488	.53309	.00108
#3	.00227	1.7657	.00136	.07612	.53134	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.801**	**.00151**	**.02341**	**.01115**	**.12729**	**1.0861**
Stddev	.061	.00005	.00033	.00002	.00049	.0036
%RSD	.19825	3.4709	1.4083	.21342	.38473	.32931
#1	30.748	.00157	.02377	.01116	.12782	1.0845
#2	30.868	.00147	.02332	.01118	.12718	1.0837
#3	30.787	.00150	.02313	.01113	.12686	1.0902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16179**	**.00136**	**1.8765**	**14.126**	**.00710**	**.33955**
Stddev	.03215	.00069	.0419	.059	.00022	.00247
%RSD	19.870	50.755	2.2343	.41770	3.1186	.72608
#1	.19879	.00168	1.9201	14.174	.00714	.34232
#2	.14583	.00057	1.8365	14.144	.00730	.33761
#3	.14074	.00185	1.8728	14.060	.00687	.33872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-B-1C SD@5 Acquired: 11/24/2021 9:13:20 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01980**	**.00146**	**.00135**	**.00180**	**.79882**	**.00679**
Stddev	.00031	.00128	.00131	.00242	.00939	.00027
%RSD	1.5588	87.371	97.144	134.96	1.1757	4.0381
#1	.02007	.00057	.00102	.00172	.79419	.00653
#2	.01986	.00293	.00280	.00426	.79264	.00707
#3	.01946	.00089	.00024	-.00059	.80962	.00677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18454**	**.14347**	**-.00026**	**.02018**	**.09201**
Stddev	.00631	.00054	.00128	.00438	.00059
%RSD	3.4215	.37394	487.31	21.700	.63634
#1	.18978	.14351	-.00124	.02021	.09268
#2	.17753	.14291	-.00075	.02454	.09176
#3	.18632	.14398	.00119	.01578	.09160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2083.0**	**3814.8**	**56440.**	**4836.1**
Stddev	8.8	14.9	341.	14.4
%RSD	.42210	.39129	.60330	.29741
#1	2074.1	3797.8	56058.	4820.9
#2	2083.1	3821.2	56555.	4849.6
#3	2091.7	3825.5	56709.	4837.7

Sample Name: 180-130094-B-1-D MS Acquired: 11/24/2021 9:18:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19282**	**15.230**	**.78058**	**1.3012**	**3.6319**	**.39152**
Stddev	.00101	.058	.00283	.0032	.0068	.00184
%RSD	.52584	.38157	.36295	.24494	.18606	.47081
#1	.19347	15.222	.77772	1.3010	3.6266	.39143
#2	.19166	15.177	.78338	1.2981	3.6296	.38973
#3	.19334	15.292	.78065	1.3045	3.6395	.39341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**169.27**	**.38269**	**.51584**	**.43263**	**.98484**	**9.3889**
Stddev	.79	.00043	.00097	.00302	.00289	.0362
%RSD	.46754	.11287	.18827	.69830	.29318	.38558
#1	169.31	.38307	.51494	.43210	.98774	9.3947
#2	168.45	.38222	.51687	.42991	.98481	9.3501
#3	170.03	.38279	.51571	.43588	.98196	9.4218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.145**	**.40969**	**27.857**	F **50.890**	**.36837**	**20.248**
Stddev	.083	.00125	.279	.204	.00070	.084
%RSD	.43489	.30507	1.0006	.40079	.18910	.41649
#1	19.133	.41099	27.818	51.068	.36867	20.246
#2	19.068	.40850	27.600	50.667	.36886	20.165
#3	19.234	.40959	28.153	50.935	.36757	20.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-D MS Acquired: 11/24/2021 9:18:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48447**	**.39033**	**.09884**	**.78520**	**5.1354**	**.68231**
Stddev	.00104	.00118	.00215	.00348	.0206	.00319
%RSD	.21563	.30189	2.1722	.44333	.40055	.46724
#1	.48424	.39169	.10101	.78295	5.1158	.68598
#2	.48561	.38963	.09672	.78343	5.1335	.68021
#3	.48356	.38967	.09880	.78921	5.1569	.68074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2352**	**1.1266**	**.61779**	**.49385**	**.64427**
Stddev	.0130	.0016	.00226	.00411	.00157
%RSD	1.0514	.13857	.36523	.83210	.24332
#1	1.2448	1.1258	.61707	.49387	.64516
#2	1.2204	1.1284	.62031	.49796	.64519
#3	1.2404	1.1255	.61597	.48974	.64246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1853.6**	**3729.3**	**55050.**	**4902.7**
Stddev	.4	4.4	264.	59.8
%RSD	.01994	.11704	.47948	1.2198
#1	1853.7	3725.7	54749.	4877.7
#2	1853.2	3728.1	55239.	4970.9
#3	1853.8	3734.2	55163.	4859.5

Sample Name: 180-130094-B-1-E MSD Acquired: 11/24/2021 9:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19992**	**14.099**	**.80804**	**1.3076**	**3.1155**	**.40178**
Stddev	.00061	.054	.00374	.0071	.0071	.00141
%RSD	.30704	.38041	.46313	.54239	.22707	.34986
#1	.20005	14.122	.80904	1.3005	3.1233	.40296
#2	.19925	14.137	.80390	1.3075	3.1135	.40023
#3	.20046	14.037	.81119	1.3147	3.1095	.40215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.46**	**.39428**	**.51600**	**.43404**	**.93911**	**9.2973**
Stddev	.22	.00173	.00167	.00181	.00256	.0152
%RSD	.14233	.43979	.32363	.41675	.27271	.16349
#1	153.72	.39241	.51472	.43283	.94114	9.2797
#2	153.32	.39463	.51538	.43316	.93994	9.3065
#3	153.35	.39582	.51789	.43612	.93623	9.3056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.695**	**.42025**	**27.363**	F **46.466**	**.38403**	**20.737**
Stddev	.022	.00235	.056	.183	.00238	.088
%RSD	.11237	.55946	.20507	.39364	.61966	.42283
#1	19.702	.42080	27.348	46.673	.38140	20.794
#2	19.713	.42228	27.315	46.324	.38466	20.636
#3	19.670	.41767	27.424	46.402	.38604	20.781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-E MSD Acquired: 11/24/2021 9:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48900**	**.39898**	**.11372**	**.80378**	**5.0532**	**.72006**
Stddev	.00228	.00530	.00175	.00671	.0330	.00367
%RSD	.46608	1.3292	1.5391	.83489	.65372	.50908
#1	.48819	.39379	.11182	.79861	5.0708	.71589
#2	.48723	.39876	.11527	.80138	5.0151	.72157
#3	.49157	.40439	.11406	.81137	5.0737	.72274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1330**	**1.0670**	**.65882**	**.49181**	**.59883**
Stddev	.0145	.0031	.00368	.00572	.00271
%RSD	1.2811	.29031	.55880	1.1640	.45198
#1	1.1436	1.0635	.65810	.48520	.59622
#2	1.1391	1.0680	.65556	.49492	.59865
#3	1.1165	1.0694	.66281	.49530	.60162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1845.7**	**3705.9**	**54660.**	**4897.9**
Stddev	4.8	6.1	228.	20.0
%RSD	.25973	.16470	.41744	.40828
#1	1846.5	3712.3	54401.	4899.7
#2	1850.0	3705.4	54748.	4916.9
#3	1840.5	3700.1	54831.	4877.0

Sample Name: 180-130094-B-1-C PDS Acquired: 11/24/2021 9:27:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24550**	**13.642**	**.94628**	**1.6046**	**3.5332**	**.45759**
Stddev	.00134	.057	.00554	.0057	.0138	.00289
%RSD	.54414	.41551	.58567	.35519	.39174	.63167
#1	.24564	13.589	.94747	1.6050	3.5223	.45473
#2	.24410	13.702	.95113	1.6100	3.5285	.45755
#3	.24676	13.636	.94024	1.5987	3.5488	.46051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**172.53**	**.45797**	**.59438**	**.49133**	**1.1058**	**9.9971**
Stddev	.38	.00192	.00393	.00100	.0027	.0440
%RSD	.22072	.41818	.66058	.20280	.23945	.43973
#1	172.19	.45898	.59469	.49218	1.1063	9.9845
#2	172.94	.45917	.59814	.49023	1.1081	9.9607
#3	172.44	.45576	.59030	.49157	1.1029	10.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.002**	**.47909**	**31.956**	F **50.779**	**.47172**	**25.176**
Stddev	.239	.00180	.125	.216	.00233	.257
%RSD	.99523	.37655	.39006	.42455	.49400	1.0219
#1	23.819	.47750	31.812	50.980	.47292	25.058
#2	23.916	.47871	32.026	50.551	.47321	24.999
#3	24.272	.48105	32.029	50.805	.46904	25.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-C PDS Acquired: 11/24/2021 9:27:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56577**	**.46451**	**.22906**	**.95455**	**4.9002**	**.88255**
Stddev	.00390	.00376	.00246	.00258	.0282	.00326
%RSD	.68944	.80971	1.0746	.27022	.57483	.36929
#1	.56578	.46859	.22906	.95565	4.8889	.88442
#2	.56966	.46117	.23152	.95641	4.8794	.88446
#3	.56186	.46377	.22660	.95161	4.9322	.87879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3032**	**1.1695**	**.89806**	**.55374**	**.66889**
Stddev	.0033	.0021	.00647	.00611	.00161
%RSD	.25204	.17928	.72064	1.1026	.24073
#1	1.2994	1.1712	.89387	.55668	.67014
#2	1.3049	1.1671	.90551	.54672	.66945
#3	1.3052	1.1701	.89479	.55782	.66707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1818.5**	**3668.1**	**54592.**	**4956.0**
Stddev	8.3	14.1	148.	22.0
%RSD	.45602	.38446	.27135	.44472
#1	1815.8	3657.8	54478.	4973.6
#2	1811.8	3662.2	54760.	4931.3
#3	1827.8	3684.2	54539.	4963.1

Sample Name: 180-130094-A-2-B Acquired: 11/24/2021 9:31:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**7.6942**	**.01059**	**.35484**	**2.2992**	**.00472**
Stddev	.00012	.0490	.00188	.00214	.0046	.00019
%RSD	2.4068	.63705	17.756	.60387	.20192	4.0103
#1	.00483	7.6489	.01262	.35700	2.2940	.00465
#2	.00490	7.7462	.00890	.35482	2.3031	.00494
#3	.00506	7.6873	.01026	.35271	2.3004	.00458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.51**	**.00606**	**.10519**	**.05096**	**.50322**	**5.5857**
Stddev	.17	.00008	.00032	.00034	.00210	.0052
%RSD	.13152	1.3801	.30034	.67307	.41757	.09366
#1	125.49	.00599	.10494	.05064	.50080	5.5810
#2	125.69	.00615	.10554	.05093	.50431	5.5914
#3	125.36	.00604	.10507	.05132	.50456	5.5848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74421**	**.00807**	**8.0662**	F **45.154**	**.03040**	**1.2986**
Stddev	.03497	.00158	.0251	.191	.00022	.0072
%RSD	4.6994	19.548	.31071	.42293	.70969	.55682
#1	.74273	.00977	8.0530	44.960	.03065	1.3015
#2	.77990	.00666	8.0951	45.159	.03024	1.3039
#3	.71000	.00777	8.0504	45.342	.03032	1.2904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-A-2-B Acquired: 11/24/2021 9:31:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08807**	**.01101**	**.00332**	**.02437**	**3.6663**	**.03580**
Stddev	.00040	.00187	.00076	.00302	.0111	.00015
%RSD	.45064	16.951	22.909	12.399	.30182	.41087
#1	.08853	.01178	.00414	.02505	3.6584	.03595
#2	.08779	.01236	.00318	.02699	3.6789	.03565
#3	.08790	.00888	.00264	.02107	3.6615	.03581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.72600**	**.78859**	**.01212**	**.10452**	**.40083**
Stddev	.00439	.00000	.00115	.00268	.00184
%RSD	.60494	.00031	9.5020	2.5610	.45879
#1	.72540	.78859	.01315	.10553	.40231
#2	.73065	.78860	.01233	.10654	.40142
#3	.72193	.78859	.01087	.10149	.39877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.6**	**3752.3**	**56378.**	**4954.9**
Stddev	3.5	15.4	192.	10.5
%RSD	.17945	.41022	.34103	.21146
#1	1936.7	3736.5	56488.	4946.4
#2	1941.8	3753.2	56490.	4951.7
#3	1943.3	3767.2	56156.	4966.7

Sample Name: 180-130094-B-3-C Acquired: 11/24/2021 9:36:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**7.0202**	**.00816**	**.23020**	**.17745**	**.00485**
Stddev	.00017	.0206	.00063	.00107	.00027	.00006
%RSD	441.63	.29320	7.6720	.46603	.14952	1.1482
#1	.00014	7.0217	.00858	.23012	.17762	.00490
#2	-.00007	7.0399	.00744	.22918	.17758	.00486
#3	-.00019	6.9988	.00845	.23132	.17714	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1161**	**.00040**	**.03088**	**.01064**	**.05097**	**3.4932**
Stddev	.0140	.00007	.00022	.00037	.00094	.0200
%RSD	.22908	16.125	.71365	3.4908	1.8422	.57210
#1	6.1148	.00042	.03106	.01049	.05159	3.5104
#2	6.1307	.00046	.03063	.01107	.04989	3.4978
#3	6.1028	.00033	.03094	.01038	.05143	3.4713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51683**	**.00674**	**1.1296**	**.03589**	**.00244**	**15.134**
Stddev	.03187	.00164	.0292	.00029	.00019	.067
%RSD	6.1663	24.266	2.5867	.79489	7.6963	.44311
#1	.52216	.00857	1.1025	.03571	.00225	15.188
#2	.54569	.00623	1.1605	.03573	.00262	15.154
#3	.48263	.00542	1.1257	.03621	.00246	15.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-B-3-C Acquired: 11/24/2021 9:36:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04189**	**.00048**	**.00299**	**.00583**	**3.5283**	**.03221**
Stddev	.00044	.00049	.00155	.00179	.0200	.00055
%RSD	1.0403	102.28	51.883	30.640	.56758	1.6966
#1	.04145	.00096	.00406	.00774	3.5489	.03221
#2	.04188	-.00003	.00368	.00421	3.5089	.03167
#3	.04232	.00052	.00121	.00553	3.5271	.03276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20571**	**.41032**	**.00022**	**.53928**	**.01921**
Stddev	.00681	.00246	.00134	.00252	.00030
%RSD	3.3082	.60023	610.99	.46778	1.5739
#1	.19937	.40855	-.00052	.53670	.01900
#2	.20485	.40928	-.00059	.53941	.01908
#3	.21290	.41314	.00176	.54174	.01956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2069.9**	**3850.3**	**57233.**	**4965.6**
Stddev	10.9	19.7	447.	2.3
%RSD	.52522	.51290	.78017	.04684
#1	2076.8	3852.1	57719.	4963.6
#2	2075.5	3869.1	57139.	4965.2
#3	2057.4	3829.7	56841.	4968.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 9:40:48 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98857**	**24.246**	**.48936**	**1.9847**	**1.9470**	**1.9933**
Stddev	.00423	.160	.00028	.0007	.0093	.0046
%RSD	.42751	.65945	.05754	.03307	.47585	.23101
#1	.99310	24.429	.48947	1.9855	1.9559	1.9958
#2	.98787	24.169	.48904	1.9843	1.9477	1.9961
#3	.98474	24.138	.48957	1.9844	1.9374	1.9880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.062**	**.49619**	**1.9908**	**1.9342**	**1.9394**	**24.342**
Stddev	.441	.00059	.0033	.0043	.0058	.052
%RSD	.89980	.11883	.16498	.22310	.29740	.21245
#1	49.520	.49671	1.9944	1.9330	1.9453	24.381
#2	49.028	.49555	1.9902	1.9389	1.9392	24.363
#3	48.639	.49631	1.9879	1.9306	1.9338	24.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.08**	**2.0140**	**48.169**	**1.9107**	**1.9060**	**121.67**
Stddev	.04	.0126	.178	.0022	.0043	.04
%RSD	.03314	.62622	.36942	.11703	.22684	.03375
#1	119.03	2.0249	48.283	1.9112	1.9074	121.62
#2	119.10	2.0170	48.260	1.9127	1.9011	121.70
#3	119.10	2.0002	47.964	1.9083	1.9094	121.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 9:40:48 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9964**	**.49912**	**.48829**	**.49622**	**1.9911**	**1.8491**
Stddev	.0043	.00298	.00255	.00231	.0223	.0071
%RSD	.21796	.59641	.52319	.46515	1.1221	.38269
#1	1.9977	.50010	.48811	.49858	2.0134	1.8569
#2	1.9999	.50148	.48583	.49397	1.9911	1.8432
#3	1.9915	.49577	.49093	.49611	1.9687	1.8471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9663**	**1.9564**	**.94245**	**1.9609**	**1.9306**
Stddev	.0052	.0014	.00177	.0194	.0051
%RSD	.26477	.07245	.18737	.99150	.26260
#1	1.9719	1.9570	.94313	1.9832	1.9365
#2	1.9616	1.9574	.94376	1.9521	1.9279
#3	1.9654	1.9548	.94044	1.9475	1.9275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1833.9**	**3640.3**	**53302.**	**4727.2**
Stddev	2.9	1.9	102.	45.5
%RSD	.15580	.05163	.19198	.96226
#1	1833.5	3638.5	53188.	4677.1
#2	1831.3	3640.1	53331.	4738.9
#3	1836.9	3642.2	53386.	4765.8

Sample Name: CCB5 Acquired: 11/24/2021 9:45:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00417**	**-.00154**	**.00419**	**-.00000**	**.00000**
Stddev	.00061	.02768	.00139	.00009	.00020	.00002
%RSD	784.80	663.31	90.216	2.0763	11390.	2997.5
#1	-.00002	-.02752	-.00195	.00409	.00015	-.00002
#2	-.00048	.02364	.00001	.00422	.00007	.00001
#3	.00073	.01640	-.00267	.00426	-.00022	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**.00002**	**.00005**	**-.00003**	**.00071**	**.00143**
Stddev	.00394	.00018	.00017	.00024	.00071	.00220
%RSD	97.176	757.53	348.80	753.00	99.384	153.88
#1	.00005	.00023	-.00015	.00020	.00111	.00283
#2	.00793	-.00008	.00015	-.00027	-.00010	.00257
#3	.00418	-.00007	.00014	-.00003	.00112	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06068**	**.00182**	**-.00223**	**.00026**	**.00443**	**.02684**
Stddev	.02861	.00133	.02987	.00004	.00070	.00468
%RSD	47.149	73.160	1341.1	14.969	15.776	17.439
#1	.03013	.00332	.00960	.00025	.00522	.02144
#2	.08685	.00077	-.03620	.00031	.00414	.02969
#3	.06507	.00138	.01991	.00023	.00392	.02940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 11/24/2021 9:45:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00120**	**.00094**	**-.00239**	**-.00427**	**-.00017**
Stddev	.00036	.00083	.00076	.00120	.00639	.00077
%RSD	280.21	69.066	80.174	50.136	149.40	450.34
#1	.00051	-.00053	.00046	-.00110	.00245	.00017
#2	.00009	-.00095	.00181	-.00346	-.01025	-.00106
#3	-.00021	-.00213	.00056	-.00260	-.00503	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00308**	**.00025**	**.00045**	**.00466**	**.00000**
Stddev	.01078	.00015	.00030	.00115	.00012
%RSD	350.42	59.961	65.390	24.690	6830.5
#1	-.00295	.00037	.00068	.00341	.00013
#2	.00764	.00008	.00056	.00567	-.00003
#3	-.01392	.00029	.00012	.00490	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2140.4**	**3790.4**	**55932.**	**4754.3**
Stddev	3.8	6.1	118.	48.9
%RSD	.17965	.16220	.21066	1.0295
#1	2144.8	3793.8	55846.	4799.1
#2	2138.9	3794.1	55883.	4702.1
#3	2137.5	3783.3	56066.	4761.7

Sample Name: 180-130094-A-4-B Acquired: 11/24/2021 9:49:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**7.7064**	**.00852**	**.17014**	**.19024**	**.00507**
Stddev	.00038	.0519	.00159	.00003	.00045	.00009
%RSD	12027.	.67305	18.715	.01995	.23604	1.7974
#1	.00043	7.6535	.00884	.17016	.18975	.00497
#2	-.00022	7.7572	.00678	.17017	.19032	.00510
#3	-.00022	7.7084	.00992	.17010	.19064	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1595**	**.00044**	**.03048**	**.01018**	**.05087**	**3.7841**
Stddev	.0193	.00004	.00032	.00053	.00067	.0234
%RSD	.37352	8.1476	1.0465	5.1937	1.3185	.61770
#1	5.1373	.00044	.03079	.00961	.05164	3.7572
#2	5.1718	.00047	.03015	.01066	.05050	3.7994
#3	5.1693	.00040	.03051	.01026	.05047	3.7957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35560**	**.00517**	**.87462**	**.03435**	**.00309**	**5.9793**
Stddev	.04484	.00025	.02829	.00013	.00018	.0100
%RSD	12.610	4.8531	3.2340	.38504	5.6942	.16667
#1	.31643	.00506	.88495	.03427	.00300	5.9786
#2	.40451	.00499	.84262	.03451	.00329	5.9698
#3	.34586	.00545	.89629	.03429	.00298	5.9896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-A-4-B Acquired: 11/24/2021 9:49:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03930**	**.00061**	**.00194**	**.00274**	**3.8005**	**.02492**
Stddev	.00055	.00130	.00080	.00100	.0315	.00048
%RSD	1.4075	213.51	41.356	36.607	.82947	1.9264
#1	.03867	.00167	.00129	.00266	3.8083	.02529
#2	.03952	-.00084	.00169	.00178	3.7657	.02437
#3	.03970	.00099	.00283	.00378	3.8273	.02509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20492**	**.43067**	**.00003**	**.70176**	**.02102**
Stddev	.00498	.00115	.00029	.00256	.00005
%RSD	2.4314	.26653	1075.0	.36532	.22749
#1	.20215	.42975	-.00027	.70347	.02104
#2	.21067	.43030	.00005	.69881	.02097
#3	.20194	.43195	.00030	.70299	.02105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2131.6**	**3929.5**	**58131.**	**5020.9**
Stddev	6.2	6.1	189.	36.6
%RSD	.29219	.15440	.32582	.72965
#1	2125.9	3924.6	58088.	5063.0
#2	2130.8	3927.6	57967.	4996.3
#3	2138.3	3936.3	58338.	5003.4

Sample Name: 180-130184-A-1-C Acquired: 11/24/2021 9:54:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**15.247**	**.01573**	**.23158**	**.36307**	**.00303**
Stddev	.00031	.013	.00127	.00072	.00170	.00007
%RSD	51.819	.08586	8.0837	.30898	.46846	2.2448
#1	-.00038	15.263	.01597	.23218	.36499	.00304
#2	-.00096	15.240	.01686	.23079	.36247	.00309
#3	-.00047	15.240	.01436	.23177	.36175	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.663**	**.00009**	**.00923**	**.01289**	**.02643**	**4.0712**
Stddev	.063	.00007	.00019	.00019	.00011	.0351
%RSD	.40049	85.952	2.0730	1.5071	.39997	.86259
#1	15.733	.00001	.00910	.01297	.02635	4.1065
#2	15.614	.00010	.00945	.01267	.02639	4.0708
#3	15.640	.00015	.00914	.01304	.02655	4.0362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36921**	**.01975**	**5.1935**	**.22094**	**.00180**	**2.7786**
Stddev	.02265	.00024	.0343	.00067	.00017	.0123
%RSD	6.1350	1.2366	.66104	.30213	9.3594	.44088
#1	.39420	.01965	5.2077	.22129	.00197	2.7919
#2	.36340	.02003	5.1543	.22017	.00180	2.7678
#3	.35003	.01957	5.2184	.22136	.00163	2.7762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130184-A-1-C Acquired: 11/24/2021 9:54:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03444**	**.00381**	**.00033**	**-.00119**	**3.4719**	**.02756**
Stddev	.00021	.00098	.00214	.00334	.0149	.00006
%RSD	.61227	25.848	648.45	280.61	.42906	.22749
#1	.03468	.00296	.00011	-.00322	3.4791	.02751
#2	.03437	.00489	-.00169	.00266	3.4818	.02763
#3	.03427	.00358	.00257	-.00301	3.4547	.02754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3362**	**1.4218**	**-.00187**	**.01859**	**.00585**
Stddev	.0085	.0007	.00160	.00081	.00009
%RSD	.63345	.05006	85.196	4.3594	1.6140
#1	1.3459	1.4210	-.00064	.01951	.00577
#2	1.3322	1.4224	-.00131	.01828	.00595
#3	1.3304	1.4220	-.00368	.01798	.00582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2087.6**	**3910.8**	**57424.**	**4940.0**
Stddev	4.6	5.0	148.	48.3
%RSD	.22053	.12763	.25832	.97845
#1	2082.5	3905.0	57305.	4888.1
#2	2088.9	3913.4	57590.	4983.7
#3	2091.4	3913.9	57378.	4948.1

Sample Name: 180-130268-A-1-B Acquired: 11/24/2021 9:59:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**5.0461**	**.00727**	**.15806**	**5.7711**	**.00529**
Stddev	.00028	.0512	.00155	.00123	.0210	.00008
%RSD	393.14	1.0155	21.336	.77963	.36476	1.5863
#1	.00016	4.9911	.00898	.15734	5.7491	.00522
#2	.00001	5.0925	.00688	.15737	5.7910	.00538
#3	-.00039	5.0548	.00596	.15949	5.7733	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.652**	**.00028**	**.02790**	**.03140**	**.22391**	**2.9165**
Stddev	.102	.00006	.00022	.00022	.00139	.0173
%RSD	.13015	20.121	.77647	.70377	.62220	.59255
#1	78.671	.00024	.02784	.03120	.22470	2.9062
#2	78.744	.00025	.02772	.03135	.22230	2.9365
#3	78.541	.00034	.02814	.03164	.22472	2.9069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65816**	**.00472**	**11.611**	**.04005**	**.00389**	**1.1245**
Stddev	.02052	.00114	.109	.00009	.00002	.0161
%RSD	3.1170	24.064	.93698	.22063	.39507	1.4332
#1	.66355	.00395	11.735	.03996	.00387	1.1181
#2	.67544	.00603	11.530	.04014	.00390	1.1428
#3	.63549	.00418	11.568	.04006	.00390	1.1126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130268-A-1-B Acquired: 11/24/2021 9:59:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04054**	**.00264**	**.00364**	**.00340**	**1.6082**	**.02728**
Stddev	.00075	.00078	.00211	.00048	.0166	.00084
%RSD	1.8537	29.375	57.815	14.010	1.0345	3.0966
#1	.04075	.00256	.00593	.00286	1.5987	.02740
#2	.03971	.00191	.00323	.00377	1.6274	.02805
#3	.04117	.00346	.00178	.00357	1.5984	.02638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.24446**	**.78052**	**-.00098**	**.13346**	**1.4462**
Stddev	.00902	.00121	.00167	.00309	.0014
%RSD	3.6889	.15447	169.49	2.3144	.09958
#1	.24316	.77916	.00067	.13676	1.4445
#2	.25406	.78094	-.00266	.13298	1.4468
#3	.23617	.78146	-.00096	.13064	1.4472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.2**	**3808.8**	**56292.**	**4902.7**
Stddev	4.0	5.1	111.	27.1
%RSD	.19742	.13365	.19715	.55219
#1	2007.8	3812.8	56416.	4873.8
#2	2001.5	3810.6	56202.	4906.9
#3	2000.5	3803.1	56259.	4927.4

Sample Name: 180-130268-A-2-B Acquired: 11/24/2021 10:03:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**4.8190**	**.00750**	**.14931**	**5.5681**	**.00509**
Stddev	.00038	.0167	.00122	.00054	.0310	.00003
%RSD	199.61	.34615	16.212	.36440	.55700	.62559
#1	.00062	4.8377	.00610	.14929	5.6037	.00510
#2	-.00006	4.8140	.00826	.14878	5.5538	.00512
#3	.00000	4.8055	.00815	.14987	5.5468	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.134**	**.00034**	**.02684**	**.03007**	**.21364**	**2.6706**
Stddev	.549	.00006	.00029	.00048	.00168	.0155
%RSD	.73113	17.866	1.0943	1.6072	.78696	.57858
#1	75.756	.00027	.02680	.02951	.21529	2.6873
#2	74.929	.00036	.02657	.03032	.21193	2.6677
#3	74.717	.00039	.02715	.03037	.21370	2.6568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63510**	**.00515**	**11.049**	**.03691**	**.00367**	**1.0651**
Stddev	.02839	.00061	.129	.00032	.00015	.0046
%RSD	4.4696	11.842	1.1650	.85484	4.0508	.43311
#1	.66505	.00581	11.195	.03726	.00369	1.0604
#2	.63165	.00504	10.999	.03682	.00352	1.0696
#3	.60859	.00461	10.952	.03665	.00381	1.0654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130268-A-2-B Acquired: 11/24/2021 10:03:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03962**	**.00078**	**.00255**	**.00423**	**1.5516**	**.02842**
Stddev	.00028	.00161	.00088	.00119	.0082	.00057
%RSD	.71258	205.71	34.740	28.103	.52890	2.0004
#1	.03987	.00152	.00347	.00405	1.5606	.02809
#2	.03968	-.00106	.00246	.00550	1.5445	.02908
#3	.03931	.00189	.00171	.00314	1.5497	.02809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22301**	**.74340**	**.00047**	**.11960**	**1.3985**
Stddev	.00062	.00250	.00042	.00144	.0041
%RSD	.27591	.33595	89.688	1.2077	.29066
#1	.22358	.74399	.00028	.12124	1.3940
#2	.22308	.74555	.00018	.11850	1.3998
#3	.22236	.74066	.00095	.11908	1.4018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1996.2**	**3793.8**	**56210.**	**4897.1**
Stddev	1.6	3.1	244.	36.3
%RSD	.07794	.08254	.43491	.74028
#1	1995.7	3794.9	55930.	4855.4
#2	1994.9	3790.2	56316.	4920.6
#3	1997.9	3796.2	56383.	4915.4

Sample Name: 180-130094-A-2-B@5 Acquired: 11/24/2021 10:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**1.5502**	**.00379**	**.07148**	**.47337**	**.00099**
Stddev	.00026	.0308	.00045	.00009	.00068	.00008
%RSD	20.897	1.9872	11.797	.12517	.14316	8.1220
#1	.00154	1.5805	.00328	.07147	.47315	.00104
#2	.00114	1.5189	.00399	.07158	.47413	.00102
#3	.00105	1.5512	.00411	.07140	.47284	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.409**	**.00136**	**.02099**	**.01108**	**.10347**	**1.1616**
Stddev	.036	.00002	.00012	.00061	.00020	.0029
%RSD	.13640	1.1342	.55126	5.5063	.19383	.24696
#1	26.380	.00137	.02102	.01051	.10364	1.1590
#2	26.449	.00135	.02108	.01172	.10325	1.1647
#3	26.397	.00135	.02086	.01101	.10352	1.1610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10098**	**.00080**	**1.6953**	**12.468**	**.00590**	**.24477**
Stddev	.04678	.00138	.0140	.019	.00015	.00721
%RSD	46.325	172.68	.82662	.15431	2.6056	2.9448
#1	.06096	.00145	1.6809	12.490	.00601	.24533
#2	.15241	-.00079	1.6963	12.457	.00597	.23730
#3	.08957	.00173	1.7088	12.457	.00573	.25168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-A-2-B@5 Acquired: 11/24/2021 10:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01779**	**.00150**	**.00041**	**.00028**	**.74780**	**.00622**
Stddev	.00043	.00193	.00137	.00170	.00645	.00001
%RSD	2.4321	128.80	337.59	605.63	.86204	.18725
#1	.01821	-.00033	.00021	-.00162	.74282	.00623
#2	.01735	.00131	.00186	.00082	.74550	.00621
#3	.01780	.00352	-.00086	.00164	.75508	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.14885**	**.16437**	**.00122**	**.02516**	**.08467**
Stddev	.00239	.00023	.00169	.00073	.00037
%RSD	1.6074	.13762	137.80	2.8950	.44262
#1	.14642	.16429	.00068	.02436	.08511
#2	.14893	.16463	-.00012	.02535	.08443
#3	.15120	.16420	.00312	.02578	.08448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2087.0**	**3830.1**	**56204.**	**4841.8**
Stddev	6.1	14.0	156.	29.6
%RSD	.29085	.36622	.27815	.61175
#1	2080.1	3813.9	56029.	4811.7
#2	2090.1	3838.7	56330.	4842.8
#3	2091.0	3837.7	56254.	4871.0

Sample Name: MB 180-379959/1-A Acquired: 11/24/2021 10:12:59 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00987**	**-.00145**	**.00181**	**.00001**	**-.00004**
Stddev	.00047	.01753	.00262	.00015	.00029	.00005
%RSD	1255.1	177.60	181.25	8.0024	4244.4	151.93
#1	.00058	-.02339	-.00160	.00186	-.00030	-.00008
#2	-.00023	-.01616	-.00399	.00193	.00006	-.00005
#3	-.00024	.00994	.00125	.00165	.00026	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**-.00000**	**.00002**	**.00037**	**.00062**	**.00211**
Stddev	.00357	.00014	.00010	.00022	.00033	.00443
%RSD	81.910	2991.0	512.77	59.978	52.996	209.63
#1	.00039	.00011	-.00007	.00052	.00047	.00188
#2	.00540	-.00016	.00001	.00048	.00038	.00665
#3	.00730	.00004	.00013	.00012	.00099	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01553**	**-.00128**	**.00087**	**.00031**	**.00017**	**-.00428**
Stddev	.02816	.00054	.01350	.00003	.00020	.00217
%RSD	181.32	42.630	1552.9	10.773	118.11	50.606
#1	-.04794	-.00084	.01301	.00034	.00011	-.00206
#2	-.00172	-.00110	.00325	.00028	.00039	-.00439
#3	.00305	-.00189	-.01366	.00029	.00000	-.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379959/1-A Acquired: 11/24/2021 10:12:59 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00111**	**.00037**	**-.00401**	**.01240**	**.00785**
Stddev	.00035	.00044	.00034	.00146	.01830	.00035
%RSD	137.84	40.091	91.392	36.462	147.53	4.4180
#1	.00009	-.00112	.00013	-.00431	.02375	.00746
#2	.00001	-.00066	.00076	-.00242	-.00871	.00812
#3	.00066	-.00155	.00023	-.00531	.02216	.00797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00002**	**-.00056**	**-.00072**	**.00030**
Stddev	.00176	.00010	.00048	.00441	.00017
%RSD	4992.2	508.40	85.837	615.53	56.660
#1	.00147	-.00006	-.00070	.00205	.00011
#2	.00057	.00013	-.00003	.00160	.00035
#3	-.00193	-.00001	-.00096	-.00580	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.1**	**3791.4**	**56372.**	**4824.6**
Stddev	2.3	7.9	192.	39.6
%RSD	.10893	.20810	.34119	.82081
#1	2115.2	3789.0	56548.	4849.5
#2	2119.7	3800.2	56167.	4779.0
#3	2116.5	3785.0	56403.	4845.5

Sample Name: LCS 180-379959/2-A Acquired: 11/24/2021 10:17:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22914**	**4.7306**	**.97184**	**1.1927**	**.95872**	**.49207**
Stddev	.00054	.0216	.00497	.0043	.00268	.00127
%RSD	.23682	.45579	.51134	.36399	.27964	.25752
#1	.22877	4.7058	.96681	1.1890	.96002	.49098
#2	.22888	4.7436	.97196	1.1918	.96050	.49177
#3	.22976	4.7425	.97675	1.1975	.95563	.49346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.964**	**.47300**	**.47529**	**.48185**	**.47379**	**4.8205**
Stddev	.016	.00154	.00208	.00121	.00013	.0127
%RSD	.06534	.32491	.43761	.25209	.02810	.26393
#1	23.953	.47141	.47341	.48124	.47380	4.8146
#2	23.982	.47310	.47492	.48324	.47365	4.8118
#3	23.957	.47448	.47752	.48105	.47391	4.8351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.044**	**.48734**	**23.316**	**.47300**	**.47773**	**23.702**
Stddev	.096	.00240	.097	.00070	.00188	.081
%RSD	.41643	.49265	.41726	.14840	.39323	.34277
#1	22.945	.48592	23.322	.47332	.47617	23.633
#2	23.137	.49011	23.216	.47349	.47721	23.792
#3	23.050	.48598	23.410	.47220	.47982	23.682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379959/2-A Acquired: 11/24/2021 10:17:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47022**	**.46095**	**.22370**	**.94255**	**.98246**	**.95840**
Stddev	.00075	.00169	.00392	.00264	.00794	.00546
%RSD	.15865	.36732	1.7513	.28013	.80846	.56967
#1	.46966	.45963	.21919	.93985	.98404	.95504
#2	.46994	.46036	.22558	.94267	.98949	.95545
#3	.47107	.46286	.22632	.94512	.97384	.96470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48078**	**.49117**	**.90515**	**.48530**	**.23718**
Stddev	.00050	.00012	.00198	.00507	.00085
%RSD	.10411	.02452	.21910	1.0441	.35774
#1	.48133	.49109	.90308	.48352	.23652
#2	.48035	.49112	.90533	.49102	.23689
#3	.48064	.49131	.90704	.48137	.23814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1965.1**	**3667.3**	**54694.**	**4767.7**
Stddev	3.4	9.2	134.	31.5
%RSD	.17233	.25088	.24511	.66146
#1	1967.1	3675.2	54542.	4799.8
#2	1967.0	3669.5	54795.	4766.6
#3	1961.2	3657.2	54746.	4736.7

Sample Name: 180-130246-A-1-C Acquired: 11/24/2021 10:22:01 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.02565**	**.00363**	**.01447**	**.00026**	**-.00008**
Stddev	.00040	.01600	.00079	.00063	.00014	.00004
%RSD	135.67	62.375	21.809	4.3485	53.459	57.668
#1	.00056	.03501	.00453	.01402	.00031	-.00009
#2	-.00016	.00718	.00305	.01519	.00037	-.00003
#3	.00049	.03476	.00331	.01421	.00010	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11082**	**.00053**	**.00143**	**.00386**	**.02924**	**6.2426**
Stddev	.00755	.00005	.00024	.00023	.00049	.0133
%RSD	6.8121	9.0855	17.084	6.0837	1.6850	.21231
#1	.11774	.00054	.00164	.00369	.02885	6.2291
#2	.11194	.00058	.00116	.00375	.02979	6.2556
#3	.10277	.00048	.00149	.00413	.02907	6.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03205**	**.00493**	**.02735**	**.03752**	**.00414**	**.63257**
Stddev	.02183	.00089	.03556	.00018	.00044	.00819
%RSD	68.116	18.056	129.99	.49094	10.646	1.2950
#1	.05698	.00583	-.01252	.03765	.00448	.62317
#2	.02282	.00405	.05576	.03731	.00429	.63634
#3	.01635	.00490	.03883	.03760	.00364	.63820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C Acquired: 11/24/2021 10:22:01 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**-.00009**	**.00193**	**.00062**	**.02371**	**.03666**
Stddev	.00037	.00123	.00205	.00094	.00952	.00016
%RSD	10.508	1327.7	106.09	150.87	40.140	.42971
#1	.00389	.00004	-.00038	.00164	.03459	.03656
#2	.00315	.00106	.00267	-.00021	.01691	.03658
#3	.00362	-.00138	.00351	.00043	.01963	.03684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00080**	**-.00001**	**.00107**	**.06359**
Stddev	.00665	.00019	.00025	.00442	.00035
%RSD	674.73	23.244	4652.8	414.50	.55742
#1	.00863	.00061	-.00018	.00069	.06395
#2	-.00346	.00099	-.00011	-.00315	.06324
#3	-.00222	.00081	.00028	.00566	.06357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2164.0**	**3798.1**	**56970.**	**4892.2**
Stddev	7.3	3.5	313.	12.9
%RSD	.33865	.09188	.54979	.26338
#1	2155.6	3797.3	56726.	4903.0
#2	2168.9	3801.9	57323.	4895.8
#3	2167.6	3795.1	56862.	4878.0

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/24/2021 10:26:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00074**	**.00272**	**.00395**	**.00028**	**-.00001**
Stddev	.00021	.03003	.00066	.00027	.00025	.00009
%RSD	458.66	4053.7	24.273	6.9242	90.028	1618.5
#1	-.00000	-.03078	.00284	.00368	.00042	-.00008
#2	-.00014	.02903	.00201	.00423	-.00001	-.00004
#3	.00027	.00397	.00332	.00393	.00044	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01899**	**.00012**	**.00043**	**.00083**	**.00608**	**1.1840**
Stddev	.00195	.00012	.00015	.00034	.00064	.0023
%RSD	10.277	105.89	35.938	41.346	10.446	.19484
#1	.01702	.00025	.00059	.00092	.00611	1.1854
#2	.01904	.00008	.00041	.00112	.00543	1.1813
#3	.02092	.00002	.00028	.00045	.00670	1.1853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01193**	**.00067**	**-.02170**	**.00723**	**.00061**	**.11590**
Stddev	.01888	.00110	.03344	.00005	.00006	.00499
%RSD	158.21	165.55	154.11	.62522	10.348	4.3093
#1	-.03176	-.00050	-.03748	.00726	.00054	.12159
#2	.00582	.00169	.01671	.00718	.00065	.11224
#3	-.00985	.00080	-.04432	.00726	.00065	.11388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/24/2021 10:26:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00061**	**.00079**	**-.00586**	**-.00087**	**.00597**
Stddev	.00011	.00024	.00217	.00054	.00730	.00036
%RSD	15.416	39.405	275.10	9.2222	837.16	6.0087
#1	.00061	-.00085	.00318	-.00647	-.00756	.00572
#2	.00077	-.00038	-.00105	-.00566	.00692	.00638
#3	.00083	-.00059	.00024	-.00545	-.00198	.00580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**.00022**	**-.00048**	**-.00004**	**.01210**
Stddev	.00326	.00009	.00086	.00147	.00004
%RSD	95.666	40.168	179.13	3588.5	.37088
#1	.00708	.00014	-.00117	.00155	.01205
#2	.00233	.00020	.00049	-.00134	.01213
#3	.00083	.00032	-.00077	-.00034	.01211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2190.2**	**3861.3**	**58049.**	**4870.1**
Stddev	11.7	11.0	225.	23.2
%RSD	.53455	.28592	.38700	.47679
#1	2195.6	3866.3	58309.	4869.2
#2	2198.1	3869.0	57924.	4893.9
#3	2176.7	3848.7	57916.	4847.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 10:31:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0017**	**24.119**	**.49190**	**1.9896**	**1.9433**	**1.9898**
Stddev	.0088	.079	.00404	.0043	.0075	.0018
%RSD	.87520	.32931	.82070	.21843	.38512	.09218
#1	.99175	24.107	.48990	1.9868	1.9491	1.9914
#2	1.0082	24.047	.48925	1.9874	1.9349	1.9878
#3	1.0052	24.204	.49655	1.9946	1.9461	1.9902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.002**	**.49730**	**1.9996**	**1.9465**	**1.9630**	**24.323**
Stddev	.122	.00055	.0015	.0199	.0167	.050
%RSD	.24913	.11037	.07486	1.0208	.85016	.20430
#1	48.974	.49680	1.9991	1.9236	1.9462	24.272
#2	48.896	.49722	2.0013	1.9568	1.9796	24.371
#3	49.136	.49789	1.9985	1.9591	1.9631	24.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.15**	**2.0135**	**48.255**	**1.9316**	**1.9063**	**121.45**
Stddev	.31	.0059	.225	.0145	.0032	.47
%RSD	.25797	.29096	.46673	.75057	.16935	.38967
#1	119.45	2.0180	48.233	1.9160	1.9038	121.84
#2	118.84	2.0069	48.042	1.9447	1.9052	120.92
#3	119.18	2.0156	48.491	1.9340	1.9099	121.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 10:31:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0047**	**.50073**	**.48576**	**.49609**	**1.9743**	**1.8486**
Stddev	.0023	.00156	.00175	.00286	.0202	.0018
%RSD	.11272	.31216	.36103	.57675	1.0223	.09591
#1	2.0032	.49951	.48778	.49403	1.9936	1.8506
#2	2.0073	.50249	.48465	.49488	1.9533	1.8481
#3	2.0035	.50019	.48485	.49935	1.9759	1.8472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9602**	**1.9760**	**.94478**	**1.9602**	**1.9372**
Stddev	.0267	.0164	.00334	.0053	.0033
%RSD	1.3600	.83043	.35401	.26779	.17120
#1	1.9670	1.9576	.94864	1.9542	1.9368
#2	1.9308	1.9890	.94269	1.9637	1.9407
#3	1.9828	1.9816	.94301	1.9627	1.9341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1827.3**	**3630.5**	**52705.**	**4692.4**
Stddev	1.9	2.7	407.	26.6
%RSD	.10199	.07453	.77137	.56583
#1	1827.7	3633.6	53091.	4714.5
#2	1825.2	3628.8	52280.	4699.7
#3	1828.9	3629.1	52744.	4663.0

Sample Name: CCB6 Acquired: 11/24/2021 10:35:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00511**	**.00055**	**.00283**	**-.00010**	**-.00003**
Stddev	.00057	.01604	.00221	.00020	.00014	.00002
%RSD	263.04	313.69	404.34	7.0942	135.59	52.782
#1	-.00035	.01776	.00302	.00293	.00006	-.00005
#2	.00080	-.01293	-.00014	.00297	-.00021	-.00002
#3	.00021	.01052	-.00124	.00260	-.00016	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00006**	**-.00004**	**.00046**	**.00072**	**-.00221**
Stddev	.00371	.00012	.00004	.00030	.00038	.00108
%RSD	122.44	207.34	114.11	65.695	52.384	48.658
#1	-.00123	-.00019	-.00003	.00039	.00036	-.00346
#2	.00554	.00005	.00000	.00020	.00069	-.00153
#3	.00480	-.00003	-.00008	.00079	.00111	-.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01690**	**.00016**	**.01632**	**.00011**	**.00453**	**.01531**
Stddev	.01093	.00053	.01756	.00003	.00060	.00192
%RSD	64.677	333.38	107.61	32.687	13.275	12.529
#1	.02371	.00025	.00857	.00014	.00516	.01382
#2	.00429	.00064	.03643	.00007	.00444	.01464
#3	.02270	-.00041	.00397	.00010	.00397	.01748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB6 Acquired: 11/24/2021 10:35:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00238**	**.00076**	**-.00220**	**-.00252**	**.00020**
Stddev	.00023	.00105	.00106	.00363	.00620	.00064
%RSD	184.15	44.049	138.49	165.25	246.16	316.16
#1	-.00003	-.00170	.00191	-.00636	.00431	.00092
#2	-.00039	-.00359	-.00018	.00033	-.00781	-.00030
#3	.00004	-.00185	.00056	-.00056	-.00405	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00005**	**.00072**	**.00305**	**.00016**
Stddev	.00293	.00011	.00133	.00209	.00017
%RSD	199.23	224.86	183.56	68.700	108.24
#1	-.00484	-.00006	-.00041	.00236	.00003
#2	-.00003	.00017	.00039	.00540	.00008
#3	.00046	.00004	.00218	.00139	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.0**	**3856.4**	**57062.**	**4809.8**
Stddev	15.2	26.7	323.	33.8
%RSD	.70058	.69187	.56607	.70171
#1	2179.7	3874.4	57298.	4826.5
#2	2177.8	3869.1	57194.	4831.9
#3	2152.5	3825.7	56694.	4770.9

Sample Name: 180-130246-A-1-D MS Acquired: 11/24/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18616**	**3.9046**	**.77843**	**.98175**	**.78627**	**.39869**
Stddev	.00031	.0285	.00228	.00243	.00115	.00101
%RSD	.16715	.73066	.29311	.24740	.14686	.25233
#1	.18647	3.8816	.77996	.98455	.78494	.39758
#2	.18585	3.8956	.77953	.98051	.78694	.39897
#3	.18616	3.9365	.77581	.98018	.78694	.39953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.665**	**.38733**	**.39219**	**.39162**	**.42489**	**9.5720**
Stddev	.061	.00073	.00054	.00151	.00021	.0099
%RSD	.30802	.18815	.13747	.38552	.04954	.10364
#1	19.599	.38817	.39241	.39301	.42465	9.5788
#2	19.681	.38699	.39157	.39001	.42502	9.5606
#3	19.717	.38684	.39258	.39183	.42501	9.5766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.584**	**.41080**	**19.126**	**.41865**	**.38638**	**19.737**
Stddev	.012	.00055	.049	.00068	.00086	.018
%RSD	.06593	.13284	.25609	.16347	.22269	.09367
#1	18.592	.41020	19.082	.41942	.38737	19.722
#2	18.590	.41126	19.117	.41813	.38586	19.758
#3	18.570	.41095	19.179	.41839	.38590	19.732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-D MS Acquired: 11/24/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38698**	**.37778**	**.17698**	**.76601**	**.80321**	**.76952**
Stddev	.00060	.00193	.00099	.00329	.00716	.00422
%RSD	.15396	.51003	.55894	.43002	.89124	.54780
#1	.38755	.37580	.17812	.76934	.80604	.77336
#2	.38702	.37790	.17645	.76594	.80852	.76501
#3	.38636	.37965	.17637	.76275	.79507	.77019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.38964**	**.39638**	**.74463**	**.39078**	**.24333**
Stddev	.00237	.00081	.00273	.00636	.00062
%RSD	.60845	.20548	.36678	1.6263	.25431
#1	.38690	.39630	.74735	.38397	.24389
#2	.39092	.39561	.74189	.39656	.24344
#3	.39109	.39724	.74464	.39182	.24267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.6**	**3730.5**	**55401.**	**4893.7**
Stddev	3.2	8.3	177.	12.9
%RSD	.16018	.22317	.31913	.26322
#1	1999.9	3723.2	55293.	4882.8
#2	2005.9	3728.7	55605.	4907.9
#3	2004.9	3739.6	55306.	4890.4

Sample Name: 180-130246-A-1-E MSD Acquired: 11/24/2021 10:44:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19612**	**4.0833**	**.81205**	**1.0382**	**.82309**	**.41968**
Stddev	.00092	.0269	.00363	.0019	.00339	.00304
%RSD	.46953	.65870	.44679	.18337	.41141	.72436
#1	.19506	4.1050	.81443	1.0404	.82174	.41927
#2	.19668	4.0532	.81386	1.0374	.82695	.42290
#3	.19663	4.0916	.80788	1.0369	.82060	.41687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.705**	**.40443**	**.41337**	**.41187**	**.44906**	**11.166**
Stddev	.009	.00092	.00039	.00164	.00184	.067
%RSD	.04507	.22782	.09508	.39874	.40871	.59762
#1	20.696	.40548	.41297	.41030	.44924	11.144
#2	20.714	.40376	.41376	.41358	.44714	11.241
#3	20.704	.40404	.41340	.41172	.45080	11.113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.704**	**.43171**	**20.107**	**.44853**	**.40731**	**20.892**
Stddev	.219	.00146	.166	.00238	.00146	.230
%RSD	1.1099	.33802	.82436	.52973	.35883	1.1025
#1	19.612	.43004	20.073	.44585	.40858	20.808
#2	19.953	.43270	20.287	.44937	.40571	21.153
#3	19.545	.43241	19.961	.45037	.40763	20.716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-E MSD Acquired: 11/24/2021 10:44:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40882**	**.39453**	**.18423**	**.80251**	**.86547**	**.80714**
Stddev	.00023	.00096	.00165	.00604	.01824	.00254
%RSD	.05647	.24376	.89729	.75229	2.1078	.31502
#1	.40880	.39458	.18390	.80256	.87825	.80911
#2	.40861	.39355	.18277	.79645	.87358	.80427
#3	.40907	.39547	.18602	.80852	.84458	.80805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.40810**	**.41611**	**.77960**	**.41262**	**.27079**
Stddev	.00772	.00051	.00329	.00357	.00047
%RSD	1.8914	.12185	.42142	.86493	.17237
#1	.41080	.41593	.78230	.41462	.27118
#2	.41411	.41668	.77594	.40850	.27090
#3	.39940	.41572	.78057	.41475	.27027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2001.9**	**3740.4**	**55080.**	**4840.8**
Stddev	2.7	6.0	267.	23.2
%RSD	.13420	.15916	.48418	.47835
#1	2000.9	3734.2	55386.	4853.7
#2	1999.9	3740.7	54957.	4814.1
#3	2005.0	3746.1	54898.	4854.6

Sample Name: 180-130246-A-1-C PDS Acquired: 11/24/2021 10:49:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24133**	**4.9447**	**.98506**	**1.2509**	**.96630**	**.49223**
Stddev	.00158	.0607	.00251	.0036	.00343	.00199
%RSD	.65388	1.2272	.25436	.29019	.35512	.40474
#1	.24308	4.9936	.98753	1.2474	.96614	.49158
#2	.24089	4.8768	.98513	1.2546	.96295	.49064
#3	.24002	4.9638	.98252	1.2507	.96981	.49447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.113**	**.48129**	**.49043**	**.48435**	**.52337**	**10.878**
Stddev	.181	.00093	.00296	.00239	.00203	.051
%RSD	.72244	.19275	.60271	.49285	.38740	.47298
#1	25.151	.48045	.48938	.48665	.52336	10.851
#2	24.916	.48229	.49376	.48188	.52539	10.845
#3	25.273	.48114	.48814	.48453	.52134	10.937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.992**	**.50744**	**24.360**	**.51423**	**.48051**	**25.242**
Stddev	.042	.00383	.054	.00107	.00127	.051
%RSD	.17300	.75543	.22114	.20756	.26416	.20393
#1	23.948	.50669	24.354	.51421	.48065	25.190
#2	24.030	.50403	24.309	.51317	.48171	25.244
#3	23.998	.51159	24.416	.51530	.47918	25.293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C PDS Acquired: 11/24/2021 10:49:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48104**	**.46920**	**.22723**	**.96164**	**1.0457**	**.95779**
Stddev	.00239	.00167	.00038	.00498	.0097	.00235
%RSD	.49651	.35641	.16556	.51745	.93013	.24567
#1	.47990	.46907	.22700	.95714	1.0429	.95606
#2	.48378	.47094	.22703	.96080	1.0565	.96047
#3	.47943	.46760	.22767	.96698	1.0377	.95684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48029**	**.49283**	**.93079**	**.48614**	**.29879**
Stddev	.00742	.00113	.00896	.00634	.00058
%RSD	1.5449	.23030	.96286	1.3038	.19403
#1	.48013	.49414	.92696	.48873	.29812
#2	.48779	.49222	.94103	.47892	.29911
#3	.47295	.49213	.92438	.49077	.29914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1983.4**	**3734.0**	**55365.**	**4879.7**
Stddev	8.1	4.2	54.	28.1
%RSD	.40615	.11232	.09716	.57639
#1	1984.1	3736.6	55304.	4867.3
#2	1974.9	3729.2	55388.	4911.9
#3	1991.0	3736.3	55404.	4860.0

Sample Name: 240-160351-A-1-F Acquired: 11/24/2021 10:53:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.04684**	**.00193**	**.00866**	**.00161**	**.00000**
Stddev	.00013	.01298	.00075	.00015	.00012	.00002
%RSD	35.133	27.723	38.569	1.6772	7.3347	821.33
#1	-.00041	.06081	.00189	.00874	.00151	-.00000
#2	-.00023	.04454	.00270	.00850	.00174	.00003
#3	-.00049	.03515	.00121	.00875	.00158	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07294**	**.00018**	**.00027**	**.00319**	**.00112**	**.03883**
Stddev	.00406	.00004	.00033	.00023	.00055	.00289
%RSD	5.5688	21.917	123.00	7.3340	49.167	7.4549
#1	.07091	.00014	.00038	.00343	.00146	.03551
#2	.07029	.00021	-.00010	.00319	.00140	.04087
#3	.07762	.00019	.00054	.00296	.00048	.04010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06372**	**.00019**	**-.00399**	**.00114**	**.00206**	**1.0741**
Stddev	.01907	.00060	.02528	.00004	.00036	.0107
%RSD	29.931	312.87	633.28	3.6894	17.440	.99230
#1	.07232	.00051	-.02438	.00119	.00246	1.0722
#2	.07696	.00056	.02429	.00113	.00198	1.0645
#3	.04186	-.00050	-.01189	.00111	.00175	1.0856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-160351-A-1-F Acquired: 11/24/2021 10:53:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**-.00019**	**.00025**	**.00444**	**.01525**	**.03471**
Stddev	.00034	.00041	.00028	.00089	.00323	.00058
%RSD	15.216	214.48	115.74	20.124	21.177	1.6650
#1	.00230	-.00061	.00056	.00535	.01779	.03445
#2	.00189	-.00018	.00018	.00356	.01161	.03431
#3	.00257	.00021	-.00000	.00441	.01634	.03537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00570**	**.00077**	**-.00174**	**.00086**	**.05878**
Stddev	.00641	.00004	.00042	.00294	.00027
%RSD	112.48	4.6367	24.061	339.83	.45865
#1	.00548	.00074	-.00185	.00196	.05849
#2	-.00060	.00076	-.00128	.00310	.05903
#3	.01221	.00081	-.00209	-.00246	.05883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.6**	**3813.8**	**57157.**	**4888.7**
Stddev	4.6	3.0	47.	44.6
%RSD	.21017	.07849	.08258	.91277
#1	2165.7	3816.8	57212.	4909.3
#2	2171.4	3810.8	57130.	4919.4
#3	2174.8	3813.7	57130.	4837.5

Sample Name: 240-160354-A-1-E Acquired: 11/24/2021 10:58:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00873**	**.00107**	**.02671**	**.04290**	**.00002**
Stddev	.00005	.02362	.00215	.00059	.00038	.00007
%RSD	13.487	270.50	201.48	2.2125	.89264	385.60
#1	.00044	.03144	-.00125	.02732	.04333	.00009
#2	.00034	.01046	.00145	.02614	.04263	.00003
#3	.00042	-.01570	.00301	.02667	.04273	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47817**	**.00019**	**.93248**	**.00205**	**.00494**	**.05419**
Stddev	.00866	.00016	.01905	.00036	.00018	.00265
%RSD	1.8114	81.065	2.0432	17.703	3.7117	4.8819
#1	.48783	.00009	.95441	.00213	.00506	.05170
#2	.47111	.00012	.92002	.00237	.00504	.05389
#3	.47557	.00038	.92300	.00165	.00473	.05697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4950**	**.00131**	**.13875**	**.01267**	**.00114**	**5.3997**
Stddev	.0197	.00036	.05432	.00011	.00004	.0162
%RSD	1.3147	27.463	39.152	.85788	3.4583	.30015
#1	1.4944	.00172	.18817	.01270	.00111	5.4015
#2	1.4757	.00120	.14749	.01276	.00118	5.3827
#3	1.5150	.00102	.08059	.01255	.00112	5.4149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-160354-A-1-E Acquired: 11/24/2021 10:58:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**-.00063**	**.00059**	**.00081**	**.68402**	**.04099**
Stddev	.00012	.00098	.00304	.00402	.00235	.00122
%RSD	7.7357	155.00	515.06	494.77	.34366	2.9664
#1	.00161	.00050	-.00292	.00304	.68154	.04239
#2	.00155	-.00124	.00252	.00323	.68622	.04030
#3	.00139	-.00115	.00217	-.00383	.68430	.04028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00026**	**-.00003**	**.00206**	**.05645**
Stddev	.00104	.00007	.00128	.00201	.00124
%RSD	49.930	25.566	4861.8	97.673	2.1944
#1	.00327	.00028	.00062	-.00021	.05788
#2	.00160	.00019	-.00150	.00361	.05572
#3	.00137	.00032	.00080	.00278	.05575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2128.7**	**3764.4**	**56828.**	**4897.7**
Stddev	35.2	67.3	93.	19.9
%RSD	1.6559	1.7871	.16403	.40584
#1	2088.1	3686.8	56935.	4903.8
#2	2152.0	3799.1	56779.	4913.9
#3	2145.9	3807.2	56769.	4875.5

Sample Name: 180-130058-A-8-A@2 Acquired: 11/24/2021 11:02:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**4.9346**	**.01087**	F **36.904**	**.00697**	**.00002**
Stddev	.00048	.0149	.00064	.116	.00014	.00014
%RSD	67.383	.30117	5.8748	.31507	2.0631	637.29
#1	-.00087	4.9517	.01120	37.028	.00708	-.00009
#2	-.00111	4.9246	.01127	36.889	.00681	.00017
#3	-.00018	4.9276	.01013	36.797	.00703	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2036**	**-.00027**	**.30587**	**.04053**	**14.396**	**3.6048**
Stddev	.0043	.00012	.00064	.00026	.077	.0175
%RSD	.36125	43.801	.21087	.62928	.53300	.48449
#1	1.2043	-.00029	.30659	.04080	14.352	3.6191
#2	1.1990	-.00015	.30567	.04030	14.352	3.5854
#3	1.2076	-.00038	.30534	.04050	14.485	3.6100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80266**	**.00629**	**2.2512**	**.11772**	**.06651**	**28.812**
Stddev	.02132	.00096	.0115	.00025	.00022	.083
%RSD	2.6560	15.272	.50943	.20874	.32433	.28633
#1	.80166	.00561	2.2465	.11759	.06635	28.906
#2	.78186	.00739	2.2643	.11757	.06675	28.779
#3	.82446	.00587	2.2428	.11800	.06642	28.752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130058-A-8-A@2 Acquired: 11/24/2021 11:02:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35178**	**.03647**	**.00735**	**.00397**	**.59034**	**.01107**
Stddev	.00106	.00171	.00162	.00132	.01217	.00090
%RSD	.30063	4.6856	22.063	33.366	2.0612	8.0961
#1	.35293	.03785	.00767	.00353	.58796	.01021
#2	.35086	.03701	.00560	.00545	.57954	.01100
#3	.35154	.03456	.00879	.00292	.60352	.01200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01867**	**.01227**	**-.00095**	**.00471**	**.33991**
Stddev	.00604	.00042	.00021	.00437	.00023
%RSD	32.352	3.3926	22.457	92.812	.06640
#1	.02537	.01275	-.00116	-.00019	.34010
#2	.01697	.01211	-.00097	.00820	.33997
#3	.01365	.01196	-.00073	.00612	.33966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2014.8**	**3685.8**	**53541.**	**4590.7**
Stddev	3.1	1.1	218.	28.2
%RSD	.15628	.03080	.40721	.61506
#1	2017.2	3686.9	53708.	4560.1
#2	2015.9	3685.8	53620.	4615.8
#3	2011.2	3684.6	53294.	4596.2

Sample Name: 180-130072-A-3-A@5 Acquired: 11/24/2021 11:07:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00034**	**.46540**	**.03880**	**.01755**	**.00003**
Stddev	.00043	.00623	.00111	.00205	.00027	.00006
%RSD	319.51	1854.7	.23829	5.2808	1.5342	176.56
#1	.00056	-.00743	.46581	.04105	.01786	.00007
#2	-.00030	.00220	.46624	.03833	.01735	-.00003
#3	.00014	.00423	.46414	.03703	.01745	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1530**	**.00023**	**.00299**	**.00235**	**.00148**	**.77623**
Stddev	.0282	.00006	.00021	.00023	.00035	.00734
%RSD	.67922	26.599	6.9898	9.7493	23.631	.94567
#1	4.1804	.00021	.00319	.00261	.00170	.78240
#2	4.1546	.00019	.00301	.00224	.00165	.76811
#3	4.1240	.00030	.00278	.00220	.00108	.77817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56271**	**-.00044**	**.72043**	**.03576**	**.00032**	**2.7825**
Stddev	.01636	.00187	.03234	.00019	.00016	.0408
%RSD	2.9073	427.33	4.4889	.52738	48.344	1.4656
#1	.55093	.00091	.75621	.03574	.00050	2.8287
#2	.58139	.00035	.69328	.03557	.00021	2.7670
#3	.55582	-.00257	.71179	.03595	.00026	2.7516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130072-A-3-A@5 Acquired: 11/24/2021 11:07:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00156**	**.00042**	**-.00511**	**1.1702**	**-.00001**
Stddev	.00089	.00100	.00039	.00263	.0135	.00066
%RSD	1489.6	64.008	93.341	51.522	1.1525	5011.6
#1	.00070	-.00137	.00055	-.00425	1.1814	.00014
#2	-.00104	-.00067	-.00002	-.00301	1.1740	-.00074
#3	.00016	-.00264	.00073	-.00806	1.1553	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00960**	**-.00001**	**.00047**	**.00016**	**.00251**
Stddev	.00566	.00016	.00071	.00159	.00028
%RSD	58.998	2912.9	152.23	1011.4	11.299
#1	.00925	.00017	.00015	.00198	.00231
#2	.01542	-.00012	-.00003	-.00091	.00283
#3	.00412	-.00007	.00128	-.00060	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2151.3**	**3805.2**	**56876.**	**4855.9**
Stddev	3.0	5.9	459.	31.1
%RSD	.14165	.15616	.80649	.64050
#1	2154.0	3806.3	57011.	4820.2
#2	2151.9	3810.5	57252.	4871.2
#3	2148.0	3798.7	56365.	4876.5

Sample Name: 180-130072-A-5-A@2 Acquired: 11/24/2021 11:11:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.00623**	**.49977**	**.03038**	**.10125**	**.00006**
Stddev	.00039	.01535	.00128	.00122	.00051	.00003
%RSD	11691.	246.53	.25631	4.0059	.50825	56.020
#1	.00041	.00319	.50097	.03158	.10176	.00007
#2	-.00036	-.00738	.49842	.03041	.10127	.00008
#3	-.00006	.02286	.49994	.02915	.10073	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.764**	**.00031**	**.00330**	**.07885**	**.14616**	**.00278**
Stddev	.033	.00002	.00016	.00036	.00044	.00296
%RSD	.25981	7.8009	4.9814	.45759	.30182	106.43
#1	12.794	.00030	.00327	.07897	.14660	.00335
#2	12.769	.00034	.00315	.07844	.14572	.00541
#3	12.729	.00029	.00347	.07913	.14617	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3003**	**.00010**	**2.3519**	**.07003**	**.00019**	**2.8554**
Stddev	.0220	.00108	.0658	.00025	.00001	.0039
%RSD	.95537	1114.1	2.7983	.36368	7.2491	.13605
#1	2.2764	-.00011	2.4279	.07032	.00018	2.8599
#2	2.3195	-.00087	2.3143	.06996	.00020	2.8528
#3	2.3051	.00126	2.3134	.06983	.00020	2.8535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130072-A-5-A@2 Acquired: 11/24/2021 11:11:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**-.00067**	**.00251**	**-.00371**	**2.0533**	**-.00042**
Stddev	.00015	.00086	.00174	.00195	.0028	.00073
%RSD	6.9972	127.77	69.185	52.662	.13697	174.44
#1	.00210	-.00110	.00067	-.00427	2.0512	-.00033
#2	.00209	.00032	.00275	-.00532	2.0565	.00026
#3	.00236	-.00123	.00411	-.00154	2.0521	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06680**	**-.00005**	**.00156**	**.01613**	**.02250**
Stddev	.00385	.00005	.00139	.00240	.00022
%RSD	5.7632	92.302	89.100	14.888	.97543
#1	.07041	-.00011	.00001	.01485	.02259
#2	.06725	-.00004	.00198	.01463	.02266
#3	.06275	-.00001	.00268	.01889	.02225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2110.3**	**3758.4**	**56216.**	**4837.6**
Stddev	13.6	20.0	291.	8.4
%RSD	.64550	.53319	.51689	.17274
#1	2110.9	3758.0	55895.	4830.3
#2	2096.4	3738.6	56461.	4835.7
#3	2123.7	3778.7	56293.	4846.7

Sample Name: 180-130074-A-6-A@5 Acquired: 11/24/2021 11:16:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.02378**	**.46307**	**.02707**	**.00295**	**.00011**
Stddev	.00036	.01718	.00511	.00025	.00021	.00014
%RSD	295.84	72.254	1.1042	.93333	7.0162	127.49
#1	-.00015	-.02930	.46793	.02689	.00276	.00026
#2	-.00002	-.03753	.45774	.02736	.00317	-.00002
#3	.00053	-.00452	.46355	.02697	.00292	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7514**	**.00026**	**.00039**	**.00375**	**.10854**	**.00007**
Stddev	.0188	.00015	.00010	.00026	.00025	.00184
%RSD	.68297	58.706	25.263	6.8087	.23470	2598.1
#1	2.7383	.00015	.00032	.00392	.10869	-.00104
#2	2.7730	.00019	.00035	.00388	.10869	-.00094
#3	2.7430	.00043	.00051	.00346	.10825	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39656**	**-.00005**	**.67488**	**.01416**	**.00016**	**.37586**
Stddev	.00854	.00096	.01332	.00012	.00022	.00919
%RSD	2.1530	2006.2	1.9730	.84569	136.60	2.4454
#1	.39623	.00064	.68593	.01429	.00028	.36533
#2	.40526	-.00114	.66010	.01413	.00031	.37996
#3	.38820	.00036	.67860	.01406	-.00009	.38228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-6-A@5 Acquired: 11/24/2021 11:16:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00104**	**.00310**	**-.00243**	**.77828**	**-.00040**
Stddev	.00038	.00133	.00133	.00144	.01003	.00044
%RSD	278.97	127.97	43.051	59.104	1.2887	111.12
#1	-.00058	-.00241	.00177	-.00240	.78391	-.00059
#2	.00004	-.00094	.00443	-.00101	.78424	.00011
#3	.00012	.00024	.00309	-.00389	.76671	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01063**	**.00007**	**.00065**	**.00122**	**.03494**
Stddev	.00446	.00008	.00080	.00100	.00061
%RSD	41.917	109.51	123.65	81.868	1.7604
#1	.00558	-.00002	.00131	.00186	.03504
#2	.01403	.00010	.00087	.00173	.03428
#3	.01228	.00012	-.00024	.00007	.03549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2161.0**	**3817.5**	**57064.**	**4863.5**
Stddev	11.7	21.8	403.	32.8
%RSD	.54154	.57040	.70662	.67512
#1	2147.7	3794.8	56685.	4898.5
#2	2169.8	3838.2	57019.	4833.3
#3	2165.5	3819.5	57487.	4858.8

Sample Name: CCV 4546440 Acquired: 11/24/2021 11:31:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99779**	**24.036**	**.50073**	**2.0336**	**1.9522**	**1.9747**
Stddev	.00476	.012	.00413	.0109	.0029	.0091
%RSD	.47670	.05031	.82451	.53465	.15092	.46067
#1	.99361	24.022	.49661	2.0211	1.9490	1.9689
#2	1.0030	24.046	.50072	2.0399	1.9548	1.9700
#3	.99679	24.039	.50486	2.0400	1.9529	1.9852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.799**	**.50145**	**2.0098**	**1.9123**	**1.9626**	**23.999**
Stddev	.213	.00261	.0098	.0057	.0083	.080
%RSD	.43587	.51991	.48776	.30030	.42232	.33424
#1	48.587	.49844	1.9986	1.9113	1.9571	23.935
#2	49.012	.50311	2.0168	1.9185	1.9721	23.973
#3	48.796	.50279	2.0140	1.9071	1.9585	24.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.54**	**2.0183**	**47.632**	**1.9143**	**1.9255**	**119.89**
Stddev	.65	.0081	.268	.0045	.0108	.57
%RSD	.55270	.40014	.56280	.23525	.55971	.47131
#1	117.42	2.0134	47.376	1.9124	1.9134	120.08
#2	116.95	2.0276	47.608	1.9195	1.9290	119.25
#3	118.24	2.0139	47.911	1.9111	1.9340	120.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 11:31:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0203**	**.50439**	**.49835**	**.50856**	**1.9473**	**1.8608**
Stddev	.0118	.00582	.00481	.00243	.0020	.0106
%RSD	.58408	1.1540	.96499	.47723	.10471	.57069
#1	2.0068	.49769	.49358	.50603	1.9487	1.8486
#2	2.0290	.50730	.50319	.51087	1.9449	1.8654
#3	2.0250	.50818	.49828	.50878	1.9482	1.8683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9540**	**1.9616**	**.95242**	**1.9522**	**1.9341**
Stddev	.0078	.0036	.00512	.0097	.0095
%RSD	.39892	.18577	.53803	.49613	.48846
#1	1.9471	1.9594	.94700	1.9491	1.9232
#2	1.9525	1.9658	.95719	1.9630	1.9385
#3	1.9624	1.9595	.95309	1.9444	1.9405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.6**	**3577.9**	**52742.**	**4750.6**
Stddev	6.7	11.4	145.	20.7
%RSD	.36862	.31996	.27471	.43565
#1	1812.6	3591.0	52795.	4770.0
#2	1799.3	3569.8	52578.	4752.9
#3	1805.0	3572.9	52853.	4728.8

Sample Name: CCB7 Acquired: 11/24/2021 11:35:42 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.01094**	**.00188**	**.00935**	**-.00009**	**.00003**
Stddev	.00035	.02407	.00290	.00032	.00022	.00010
%RSD	199.60	220.10	154.25	3.4548	241.07	325.67
#1	.00004	-.00365	.00450	.00898	.00014	.00006
#2	.00001	-.00226	-.00123	.00952	-.00030	.00012
#3	-.00057	.03872	.00237	.00955	-.00012	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00005**	**.00016**	**.00056**	**.00064**	**.00038**
Stddev	.00633	.00003	.00019	.00057	.00015	.00230
%RSD	6034.2	68.190	125.14	100.71	23.465	606.77
#1	-.00735	.00004	.00036	.00111	.00047	-.00127
#2	.00271	.00008	-.00003	-.00002	.00073	-.00061
#3	.00433	.00002	.00014	.00060	.00073	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10605**	**.00295**	**-.02272**	**.00006**	**.00548**	**.03225**
Stddev	.03072	.00030	.01175	.00003	.00076	.00672
%RSD	28.968	10.098	51.727	41.331	13.936	20.849
#1	.10835	.00310	-.01212	.00006	.00624	.03388
#2	.13556	.00260	-.03536	.00009	.00547	.03801
#3	.07425	.00314	-.02068	.00004	.00472	.02486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB7 Acquired: 11/24/2021 11:35:42 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00018**	**.00133**	**-.00153**	**-.00513**	**-.00042**
Stddev	.00063	.00077	.00057	.00280	.00662	.00085
%RSD	1758.1	426.59	43.355	183.77	128.95	200.44
#1	.00044	-.00105	.00128	.00093	.00112	.00041
#2	.00020	.00008	.00078	-.00093	-.01207	-.00129
#3	-.00075	.00043	.00192	-.00458	-.00445	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00322**	**.00018**	**.00038**	**.00282**	**.00008**
Stddev	.00419	.00015	.00075	.00424	.00015
%RSD	130.21	85.971	198.22	150.52	194.60
#1	-.00691	.00026	.00070	.00119	-.00009
#2	-.00408	.00027	.00091	-.00037	.00017
#3	.00134	.00000	-.00048	.00764	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2123.3**	**3759.6**	**56169.**	**4810.6**
Stddev	2.1	7.1	236.	19.9
%RSD	.09841	.18914	.41949	.41321
#1	2125.7	3762.1	55981.	4804.3
#2	2122.4	3765.2	56434.	4832.9
#3	2121.9	3751.6	56093.	4794.7

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:40:28 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00480**	**.18062**	**.01265**	**.21151**	**.20449**	**.00411**
Stddev	.00023	.04579	.00086	.00064	.00062	.00010
%RSD	4.7633	25.349	6.8331	.30107	.30237	2.3549
#1	.00456	.23305	.01364	.21206	.20511	.00422
#2	.00501	.14849	.01202	.21165	.20449	.00408
#3	.00484	.16033	.01229	.21081	.20387	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0457**	**.00499**	**.04756**	**.00516**	**.02582**	**.10029**
Stddev	.0066	.00005	.00022	.00025	.00036	.00177
%RSD	.13013	.92400	.46708	4.7478	1.3801	1.7661
#1	5.0451	.00496	.04768	.00488	.02542	.10068
#2	5.0525	.00504	.04770	.00529	.02608	.10182
#3	5.0394	.00496	.04731	.00532	.02597	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8000**	**.05150**	**5.0893**	**.01526**	**.03978**	**4.8665**
Stddev	.0709	.00043	.0576	.00011	.00023	.0454
%RSD	1.4774	.82979	1.1312	.72103	.57824	.93280
#1	4.8461	.05199	5.0272	.01526	.03983	4.8942
#2	4.8356	.05120	5.1410	.01538	.03953	4.8911
#3	4.7183	.05131	5.0997	.01516	.03998	4.8141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:40:28 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03896**	**.00770**	**.00983**	F **.00614**	**.61625**	**.09586**
Stddev	.00068	.00132	.00041	.00071	.01740	.00031
%RSD	1.7436	17.110	4.1473	11.582	2.8242	.32299
#1	.03920	.00753	.00944	.00691	.63135	.09620
#2	.03819	.00909	.01025	.00551	.59722	.09560
#3	.03949	.00647	.00979	.00600	.62018	.09576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				.01000		
Range				-30.000%		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**.05044**	**.01929**	**.05278**	**.02025**
Stddev	.00778	.00008	.00108	.00337	.00007
%RSD	15.493	.15233	5.5867	6.3865	.36813
#1	.05797	.05048	.02054	.05526	.02019
#2	.05036	.05036	.01874	.04894	.02022
#3	.04240	.05049	.01860	.05413	.02033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.9**	**3755.2**	**55607.**	**4764.6**
Stddev	4.1	7.1	263.	22.5
%RSD	.19507	.18899	.47338	.47257
#1	2104.6	3747.7	55811.	4761.9
#2	2109.1	3761.8	55310.	4743.6
#3	2100.9	3756.1	55699.	4788.4

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:46:25 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.19624**	**.00996**	**.20938**	**.20510**	**.00427**
Stddev	.00022	.02370	.00074	.00131	.00239	.00011
%RSD	4.3360	12.077	7.4513	.62371	1.1676	2.5058
#1	.00530	.16908	.01051	.21089	.20245	.00415
#2	.00501	.21271	.00912	.20864	.20711	.00430
#3	.00487	.20694	.01026	.20862	.20575	.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0588**	**.00509**	**.04755**	**.00519**	**.02627**	**.10100**
Stddev	.0834	.00003	.00010	.00026	.00035	.00142
%RSD	1.6496	.64695	.20441	5.0482	1.3195	1.4050
#1	4.9667	.00505	.04744	.00495	.02664	.09937
#2	5.1295	.00510	.04757	.00515	.02595	.10193
#3	5.0801	.00512	.04763	.00547	.02623	.10171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7892**	**.05129**	**5.1027**	**.01536**	**.03890**	**4.8452**
Stddev	.0539	.00060	.0712	.00017	.00002	.0457
%RSD	1.1261	1.1681	1.3953	1.0819	.04357	.94417
#1	4.7353	.05148	5.0255	.01523	.03889	4.7927
#2	4.7891	.05177	5.1658	.01554	.03892	4.8664
#3	4.8432	.05062	5.1168	.01530	.03889	4.8766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:46:25 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03894**	**.00931**	**.00977**	**.00763**	**.60364**	**.09540**
Stddev	.00029	.00120	.00164	.00098	.01341	.00103
%RSD	.73653	12.901	16.760	12.818	2.2223	1.0838
#1	.03926	.01048	.01098	.00808	.59363	.09470
#2	.03885	.00808	.01042	.00651	.61888	.09492
#3	.03871	.00936	.00791	.00830	.59841	.09659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04505**	**.05009**	**.01994**	**.05117**	**.02000**
Stddev	.00493	.00079	.00090	.00185	.00021
%RSD	10.950	1.5800	4.4896	3.6151	1.0257
#1	.04779	.04942	.02011	.04967	.02024
#2	.04800	.05096	.01897	.05060	.01989
#3	.03935	.04989	.02074	.05323	.01988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2107.7**	**3760.4**	**55292.**	**4753.8**
Stddev	3.3	11.3	450.	69.5
%RSD	.15739	.30020	.81443	1.4622
#1	2104.9	3748.2	55692.	4833.5
#2	2106.9	3762.7	54804.	4706.2
#3	2111.4	3770.4	55378.	4721.6

Sample Name: MB 180-379963/1-A Acquired: 11/24/2021 11:55:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.02926**	**-.00167**	**.00462**	**-.00009**	**.00001**
Stddev	.00040	.01729	.00092	.00042	.00008	.00004
%RSD	82.202	59.091	54.941	9.1430	91.259	469.38
#1	.00011	-.00930	-.00091	.00502	-.00011	.00003
#2	.00091	-.03927	-.00140	.00418	.00000	-.00003
#3	.00045	-.03921	-.00269	.00466	-.00016	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**.00005**	**.00006**	**.00061**	**.00078**	**-.00167**
Stddev	.00203	.00008	.00037	.00003	.00066	.00340
%RSD	52.774	147.27	577.37	4.2742	84.722	203.24
#1	.00190	-.00003	-.00036	.00061	.00115	.00030
#2	.00596	.00008	.00032	.00064	.00002	.00028
#3	.00371	.00012	.00024	.00059	.00118	-.00560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02868**	**.00068**	**.00560**	**.00011**	**.00020**	**.00032**
Stddev	.01410	.00118	.00370	.00005	.00010	.00534
%RSD	49.179	173.72	66.164	41.501	51.478	1656.3
#1	-.04385	-.00024	.00374	.00016	.00018	.00604
#2	-.01596	.00027	.00986	.00009	.00032	-.00054
#3	-.02623	.00201	.00319	.00008	.00012	-.00453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379963/1-A Acquired: 11/24/2021 11:55:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00024**	**.00077**	**-.00236**	**.00084**	**.00142**
Stddev	.00028	.00043	.00240	.00155	.00222	.00033
%RSD	65.385	179.99	309.54	65.681	265.26	23.097
#1	.00012	.00025	.00089	-.00345	-.00153	.00159
#2	.00049	-.00058	-.00168	-.00059	.00117	.00163
#3	.00066	-.00039	.00311	-.00306	.00287	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00001**	**.00106**	**.00043**	**.00011**
Stddev	.00427	.00009	.00098	.00432	.00008
%RSD	236.04	1041.5	92.548	995.88	70.145
#1	.00573	.00004	.00003	-.00387	.00018
#2	-.00273	-.00009	.00117	.00040	.00003
#3	.00242	.00008	.00199	.00477	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2130.2**	**3767.8**	**56375.**	**4906.2**
Stddev	7.9	9.6	227.	128.2
%RSD	.37225	.25582	.40209	2.6137
#1	2121.7	3759.8	56592.	4809.5
#2	2137.4	3778.5	56140.	5051.7
#3	2131.5	3765.0	56394.	4857.5

Sample Name: LCS 180-379963/2-A Acquired: 11/24/2021 12:00:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22785**	**4.7146**	**.94801**	**1.1905**	**.94803**	**.48325**
Stddev	.00066	.0293	.00417	.0017	.00549	.00266
%RSD	.29096	.62144	.44031	.13935	.57898	.55088
#1	.22714	4.6821	.94698	1.1892	.94175	.48041
#2	.22846	4.7227	.95260	1.1924	.95045	.48365
#3	.22794	4.7390	.94445	1.1900	.95189	.48569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.829**	**.46579**	**.45857**	**.46101**	**.47809**	**4.6774**
Stddev	.171	.00107	.00035	.00121	.00162	.0439
%RSD	.71937	.23069	.07696	.26147	.33978	.93863
#1	23.647	.46518	.45851	.45978	.47705	4.6267
#2	23.988	.46703	.45825	.46106	.47996	4.7029
#3	23.850	.46516	.45895	.46219	.47726	4.7026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.624**	**.48479**	**23.051**	**.46560**	**.45762**	**23.294**
Stddev	.163	.00247	.188	.00066	.00058	.139
%RSD	.72113	.51000	.81534	.14081	.12568	.59552
#1	22.443	.48206	22.837	.46491	.45698	23.142
#2	22.672	.48546	23.189	.46567	.45778	23.328
#3	22.759	.48686	23.129	.46621	.45809	23.413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379963/2-A Acquired: 11/24/2021 12:00:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45789**	**.45675**	**.21784**	**.93500**	**.95179**	**.88553**
Stddev	.00090	.00130	.00110	.00322	.01494	.00103
%RSD	.19724	.28431	.50337	.34421	1.5694	.11652
#1	.45759	.45546	.21715	.93214	.93794	.88548
#2	.45717	.45674	.21911	.93849	.94981	.88453
#3	.45890	.45805	.21727	.93437	.96762	.88659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47521**	**.48158**	**.86378**	**.46766**	**.22999**
Stddev	.00315	.00086	.00098	.00777	.00049
%RSD	.66272	.17938	.11402	1.6620	.21382
#1	.47873	.48088	.86388	.45870	.22943
#2	.47266	.48131	.86471	.47264	.23031
#3	.47425	.48255	.86275	.47163	.23025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.4**	**3669.9**	**54370.**	**4770.8**
Stddev	2.5	6.7	113.	29.6
%RSD	.12708	.18180	.20865	.61975
#1	1977.7	3667.1	54484.	4798.7
#2	1981.0	3665.0	54257.	4739.8
#3	1982.6	3677.5	54368.	4774.0

Sample Name: 180-130292-D-1-B Acquired: 11/24/2021 12:04:58 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**1.6535**	**.00518**	**.01050**	**.00503**	**.00009**
Stddev	.00038	.0066	.00148	.00007	.00003	.00007
%RSD	68.302	.40214	28.655	.70164	.62030	80.520
#1	.00074	1.6599	.00446	.01042	.00500	.00011
#2	.00012	1.6539	.00689	.01056	.00505	.00014
#3	.00082	1.6466	.00420	.01052	.00505	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86393**	**.00028**	**.00125**	**.00924**	**.01894**	**1.1950**
Stddev	.00403	.00014	.00025	.00024	.00074	.0110
%RSD	.46664	50.259	20.022	2.6077	3.8963	.91808
#1	.86033	.00012	.00136	.00903	.01979	1.1824
#2	.86317	.00034	.00142	.00919	.01852	1.2020
#3	.86829	.00038	.00096	.00950	.01850	1.2007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55466**	**.00356**	**1.8592**	**.04958**	**.00189**	F **315.12**
Stddev	.02243	.00106	.0067	.00015	.00034	3.61
%RSD	4.0438	29.861	.36024	.30136	17.758	1.1455
#1	.53229	.00234	1.8517	.04963	.00226	311.72
#2	.55454	.00432	1.8643	.04941	.00180	314.74
#3	.57715	.00400	1.8618	.04970	.00160	318.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130292-D-1-B Acquired: 11/24/2021 12:04:58 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01793**	**.03195**	**.01439**	**-.00053**	**.11252**	F **51.751**
Stddev	.00063	.00214	.00075	.00247	.00719	.138
%RSD	3.5303	6.6951	5.1872	466.57	6.3885	.26617
#1	.01731	.02951	.01375	-.00009	.11829	51.909
#2	.01791	.03350	.01521	-.00319	.11480	51.684
#3	.01857	.03283	.01421	.00169	.10447	51.659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16531**	**.00064**	**-.00102**	**.00025**	**.02146**
Stddev	.00588	.00007	.00108	.00377	.00022
%RSD	3.5576	11.403	106.43	1529.1	1.0242
#1	.17071	.00071	-.00224	-.00209	.02171
#2	.16617	.00056	-.00067	-.00177	.02130
#3	.15904	.00064	-.00016	.00460	.02137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1870.4**	**3587.7**	**52437.**	**4774.5**
Stddev	1.8	6.9	23.	11.4
%RSD	.09558	.19147	.04343	.23893
#1	1868.3	3579.8	52420.	4777.5
#2	1871.3	3592.2	52428.	4784.0
#3	1871.5	3591.1	52463.	4761.8

Sample Name: 180-130292-E-3-B Acquired: 11/24/2021 12:09:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**2.2452**	**.00713**	**.01050**	**.00557**	**.00004**
Stddev	.00024	.0179	.00200	.00016	.00010	.00004
%RSD	27.138	.79829	28.100	1.5260	1.8677	99.913
#1	.00067	2.2322	.00735	.01031	.00567	.00007
#2	.00087	2.2656	.00902	.01056	.00557	.00003
#3	.00115	2.2377	.00503	.01062	.00547	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77401**	**.00035**	**.00138**	**.00959**	**.02304**	**1.1956**
Stddev	.00754	.00010	.00009	.00016	.00033	.0016
%RSD	.97437	27.727	6.7482	1.7072	1.4414	.13107
#1	.77258	.00046	.00149	.00962	.02266	1.1955
#2	.78217	.00027	.00136	.00973	.02327	1.1941
#3	.76729	.00031	.00131	.00941	.02318	1.1972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57861**	**.00420**	**1.8736**	**.04927**	**.00155**	F **302.79**
Stddev	.03992	.00091	.0116	.00019	.00011	1.53
%RSD	6.8986	21.664	.61661	.39491	6.9051	.50536
#1	.55278	.00315	1.8734	.04910	.00166	304.28
#2	.62458	.00465	1.8622	.04924	.00145	301.23
#3	.55846	.00479	1.8853	.04949	.00155	302.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130292-E-3-B Acquired: 11/24/2021 12:09:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01855**	**.04352**	**.01993**	**-.00143**	**.12436**	F **61.005**
Stddev	.00044	.00167	.00080	.00192	.00691	.084
%RSD	2.3892	3.8278	4.0147	134.44	5.5589	.13774
#1	.01803	.04295	.01902	-.00309	.13232	60.992
#2	.01880	.04221	.02053	.00067	.11979	60.928
#3	.01880	.04539	.02023	-.00186	.12098	61.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17099**	**.00065**	**-.00036**	**.00215**	**.02026**
Stddev	.00510	.00008	.00114	.00203	.00020
%RSD	2.9841	12.901	320.11	94.684	.96591
#1	.16792	.00059	-.00135	.00332	.02010
#2	.16816	.00062	-.00061	.00332	.02020
#3	.17688	.00075	.00089	-.00020	.02048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1863.1**	**3572.9**	**52631.**	**4751.0**
Stddev	2.1	5.6	92.	2.5
%RSD	.11386	.15629	.17392	.05304
#1	1864.3	3573.3	52638.	4752.0
#2	1864.3	3578.3	52719.	4748.2
#3	1860.6	3567.2	52536.	4753.0

Sample Name: 180-130293-D-1-B Acquired: 11/24/2021 12:14:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00614**	**.01665**	**.00559**	**.00029**	**.00009**
Stddev	.00076	.02010	.00260	.00069	.00012	.00009
%RSD	7025.9	327.33	15.620	12.315	41.169	91.192
#1	.00030	.02491	.01366	.00536	.00022	.00018
#2	.00058	.00859	.01786	.00636	.00043	.00001
#3	-.00085	-.01507	.01842	.00504	.00022	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05224**	**.00017**	**.00008**	**.00430**	**.00182**	**.06882**
Stddev	.00205	.00010	.00025	.00040	.00045	.00402
%RSD	3.9279	60.154	310.28	9.2491	24.619	5.8354
#1	.04994	.00027	.00003	.00393	.00207	.07168
#2	.05293	.00016	.00036	.00426	.00209	.07055
#3	.05386	.00007	-.00014	.00472	.00130	.06423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03296**	**.00036**	**-.00402**	**.00043**	**.00070**	**.11998**
Stddev	.01227	.00049	.00481	.00006	.00006	.00602
%RSD	37.227	134.60	119.85	13.736	8.7046	5.0166
#1	.02149	-.00002	.00112	.00047	.00064	.12645
#2	.03150	.00019	-.00842	.00046	.00077	.11454
#3	.04590	.00092	-.00475	.00036	.00070	.11895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-1-B Acquired: 11/24/2021 12:14:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00018**	F **8.0333**	**-.00220**	**.00994**	F **28.001**
Stddev	.00039	.00011	.0400	.00177	.00426	.191
%RSD	65.087	62.670	.49762	80.328	42.847	.68198
#1	.00025	-.00030	7.9885	-.00104	.00761	27.782
#2	.00053	-.00016	8.0653	-.00423	.01485	28.089
#3	.00103	-.00008	8.0462	-.00132	.00735	28.131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00529**	**.00059**	**-.00065**	**-.00069**	**.00213**
Stddev	.00397	.00024	.00022	.00245	.00014
%RSD	75.148	39.683	34.141	354.51	6.5952
#1	-.00400	.00082	-.00041	.00143	.00226
#2	-.00974	.00035	-.00070	-.00337	.00216
#3	-.00212	.00061	-.00085	-.00013	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2163.3**	**3789.5**	**57070.**	**4874.4**
Stddev	4.5	8.1	374.	10.0
%RSD	.20621	.21491	.65558	.20584
#1	2166.7	3795.6	57413.	4885.4
#2	2158.2	3780.2	57125.	4865.7
#3	2164.9	3792.6	56671.	4872.0

Sample Name: 180-130293-D-2-A Acquired: 11/24/2021 12:19:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**2.0513**	**.00748**	**.00970**	**.00555**	**-.00003**
Stddev	.00024	.0022	.00266	.00049	.00029	.00005
%RSD	38.425	.10710	35.551	5.0980	5.2627	155.54
#1	.00038	2.0534	.00477	.00955	.00589	-.00003
#2	.00062	2.0490	.00759	.00931	.00540	.00002
#3	.00086	2.0514	.01008	.01026	.00537	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79703**	**.00018**	**.00122**	**.00994**	**.02218**	**1.2787**
Stddev	.00418	.00004	.00018	.00036	.00033	.0073
%RSD	.52426	20.498	14.849	3.5972	1.4860	.57013
#1	.79839	.00023	.00140	.01008	.02254	1.2755
#2	.80036	.00017	.00122	.01021	.02190	1.2735
#3	.79234	.00016	.00103	.00953	.02210	1.2870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58108**	**.00566**	**1.8928**	**.05311**	**.00120**	F **319.27**
Stddev	.02172	.00059	.0217	.00026	.00016	.60
%RSD	3.7380	10.339	1.1480	.48014	13.609	.18851
#1	.55601	.00499	1.8963	.05339	.00139	318.62
#2	.59300	.00603	1.8695	.05304	.00109	319.41
#3	.59424	.00597	1.9126	.05290	.00112	319.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130293-D-2-A Acquired: 11/24/2021 12:19:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01898**	**.03757**	**.06243**	**-.00452**	**.12801**	F **58.568**
Stddev	.00018	.00134	.00518	.00311	.00554	.094
%RSD	.95438	3.5739	8.3004	68.770	4.3312	.15979
#1	.01882	.03723	.06708	-.00226	.12269	58.672
#2	.01917	.03643	.06337	-.00323	.13375	58.489
#3	.01896	.03905	.05685	-.00806	.12759	58.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17810**	**.00074**	**.00047**	**-.00117**	**.01975**
Stddev	.00582	.00015	.00047	.00341	.00008
%RSD	3.2651	20.877	99.873	291.19	.39405
#1	.17433	.00061	-.00007	.00162	.01983
#2	.18480	.00069	.00080	-.00498	.01976
#3	.17518	.00091	.00067	-.00016	.01967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1874.7**	**3601.0**	**52573.**	**4791.8**
Stddev	4.6	6.2	107.	20.2
%RSD	.24460	.17182	.20433	.42059
#1	1869.5	3594.0	52481.	4796.8
#2	1876.2	3603.0	52691.	4769.6
#3	1878.3	3605.9	52546.	4809.0

Sample Name: 180-130293-D-3-B Acquired: 11/24/2021 12:23:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00551**	**.01230**	**.00486**	**-.00004**	**-.00002**
Stddev	.00018	.02343	.00230	.00063	.00008	.00009
%RSD	451.89	425.48	18.667	13.023	186.73	589.86
#1	.00006	.01861	.01491	.00427	.00003	-.00012
#2	-.00015	.01946	.01059	.00553	-.00013	.00003
#3	.00021	-.02155	.01141	.00479	-.00003	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05759**	**.00012**	**.00003**	**.00341**	**.00218**	**.07135**
Stddev	.00315	.00010	.00011	.00013	.00080	.00227
%RSD	5.4675	88.389	338.22	3.9107	36.699	3.1871
#1	.05814	.00003	-.00008	.00343	.00144	.07229
#2	.05420	.00009	.00004	.00354	.00207	.07300
#3	.06043	.00023	.00014	.00327	.00302	.06876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02369**	**.00106**	**-.00236**	**.00056**	**.00073**	**.13771**
Stddev	.00921	.00113	.02300	.00001	.00019	.00524
%RSD	38.871	106.82	974.32	2.3269	26.099	3.8056
#1	.01361	.00193	-.02567	.00057	.00078	.14176
#2	.03166	.00146	.02033	.00055	.00090	.13957
#3	.02580	-.00022	-.00174	.00056	.00052	.13179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-B Acquired: 11/24/2021 12:23:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00013**	F **7.6388**	**-.00188**	**.01779**	F **26.013**
Stddev	.00035	.00138	.0039	.00190	.00889	.031
%RSD	357.85	1041.5	.05140	100.82	49.973	.11879
#1	.00025	.00081	7.6344	-.00141	.01723	26.022
#2	-.00009	-.00145	7.6400	-.00026	.00919	26.038
#3	-.00046	.00104	7.6419	-.00397	.02694	25.978
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00051**	**-.00034**	**.00371**	**.00227**
Stddev	.00510	.00015	.00023	.00297	.00021
%RSD	672.46	30.092	68.454	80.054	9.2410
#1	-.00458	.00068	-.00061	.00069	.00250
#2	.00127	.00038	-.00021	.00662	.00209
#3	.00559	.00046	-.00020	.00382	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.3**	**3808.0**	**57144.**	**4878.5**
Stddev	2.3	6.7	238.	24.5
%RSD	.10517	.17554	.41633	.50285
#1	2168.3	3802.5	57141.	4850.1
#2	2169.8	3806.0	56908.	4892.1
#3	2172.8	3815.5	57384.	4893.2

Sample Name: 180-130293-D-3B SD@5 Acquired: 11/24/2021 12:28:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00628**	**.00381**	**.00256**	**.00003**	**.00000**
Stddev	.00008	.01749	.00268	.00014	.00014	.00002
%RSD	24.080	278.64	70.308	5.3093	405.02	496.80
#1	.00040	-.02492	.00643	.00246	-.00011	.00003
#2	.00028	-.00367	.00391	.00272	.00005	-.00001
#3	.00026	.00976	.00108	.00251	.00016	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00683**	**.00003**	**.00003**	**.00118**	**.00136**	**.01288**
Stddev	.00141	.00007	.00019	.00036	.00045	.00628
%RSD	20.651	228.18	748.62	30.522	33.335	48.733
#1	.00569	.00008	-.00013	.00132	.00150	.02004
#2	.00641	-.00005	.00023	.00145	.00086	.01026
#3	.00841	.00006	-.00003	.00077	.00173	.00834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01450**	**.00124**	**.00269**	**.00018**	**-.00003**	**.05429**
Stddev	.03901	.00090	.00683	.00002	.00011	.01228
%RSD	269.02	72.623	253.57	9.3662	350.39	22.621
#1	-.01246	.00063	-.00408	.00019	-.00016	.06765
#2	.02345	.00228	.00258	.00020	.00002	.04349
#3	-.05449	.00082	.00957	.00016	.00004	.05173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3B SD@5 Acquired: 11/24/2021 12:28:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00017**	F **1.5567**	**-.00388**	**.00253**	F **5.0722**
Stddev	.00022	.00098	.0073	.00128	.00430	.0291
%RSD	84.068	591.82	.46558	33.131	169.95	.57366
#1	.00037	-.00072	1.5647	-.00440	.00610	5.1020
#2	.00001	-.00001	1.5506	-.00481	.00372	5.0438
#3	.00041	.00123	1.5547	-.00241	-.00224	5.0708
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00189**	**.00011**	**.00027**	**.00026**	**.00057**
Stddev	.00601	.00001	.00091	.00238	.00008
%RSD	317.71	6.1665	330.09	933.52	14.013
#1	.00317	.00011	.00093	-.00097	.00065
#2	.00717	.00010	.00066	-.00126	.00054
#3	-.00466	.00012	-.00076	.00300	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2164.3**	**3809.1**	**56960.**	**4894.1**
Stddev	12.1	15.2	152.	36.4
%RSD	.56129	.39780	.26741	.74294
#1	2153.9	3791.8	57126.	4861.6
#2	2161.3	3815.4	56826.	4887.4
#3	2177.6	3820.0	56929.	4933.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 12:33:09 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99870**	**24.334**	**.49740**	**2.0269**	**1.9821**	**2.0078**
Stddev	.00147	.088	.00266	.0037	.0081	.0056
%RSD	.14685	.36055	.53528	.18207	.40786	.28090
#1	.99707	24.431	.50004	2.0311	1.9892	2.0110
#2	.99991	24.259	.49745	2.0255	1.9838	2.0112
#3	.99913	24.313	.49472	2.0241	1.9733	2.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.389**	**.50193**	**1.9949**	**1.9221**	**1.9702**	**24.305**
Stddev	.136	.00084	.0052	.0022	.0036	.085
%RSD	.27624	.16704	.25967	.11182	.18163	.35176
#1	49.501	.50238	1.9900	1.9202	1.9661	24.339
#2	49.237	.50244	1.9945	1.9244	1.9728	24.368
#3	49.429	.50096	2.0003	1.9216	1.9716	24.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.09**	**2.0253**	**48.153**	**1.9268**	**1.8980**	**121.43**
Stddev	.49	.0055	.140	.0055	.0042	.57
%RSD	.41274	.27008	.29129	.28290	.21877	.47341
#1	119.40	2.0291	48.280	1.9205	1.8932	121.76
#2	119.34	2.0278	48.177	1.9303	1.9008	121.75
#3	118.52	2.0191	48.003	1.9296	1.9000	120.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 12:33:09 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0166**	**.50808**	F **.55732**	**.50491**	**1.9936**	**1.9066**
Stddev	.0060	.00199	.00486	.00631	.0126	.0019
%RSD	.29702	.39100	.87229	1.2494	.63311	.09976
#1	2.0098	.50760	.56106	.49763	1.9830	1.9069
#2	2.0206	.50637	.55907	.50878	2.0076	1.9083
#3	2.0196	.51026	.55183	.50832	1.9902	1.9045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.50000			
Range			10.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**1.9770**	**.94361**	**1.9797**	**1.9308**
Stddev	.0097	.0032	.00237	.0046	.0064
%RSD	.48654	.16344	.25143	.23492	.33048
#1	1.9876	1.9733	.94087	1.9842	1.9237
#2	1.9939	1.9784	.94485	1.9749	1.9360
#3	1.9749	1.9793	.94509	1.9800	1.9327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1806.1**	**3568.0**	**52576.**	**4690.1**
Stddev	4.3	3.6	158.	29.8
%RSD	.23920	.10138	.30086	.63439
#1	1810.9	3571.6	52758.	4664.3
#2	1805.0	3564.3	52504.	4722.6
#3	1802.5	3568.2	52467.	4683.2

Sample Name: CCB8 Acquired: 11/24/2021 12:37:32 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.01375**	**-.00039**	**.00334**	**-.00005**	**.00003**
Stddev	.00052	.01642	.00122	.00023	.00009	.00010
%RSD	241.48	119.38	313.20	6.9287	181.06	342.09
#1	.00077	.00298	-.00150	.00334	-.00014	-.00008
#2	-.00025	-.02985	-.00058	.00357	-.00006	.00005
#3	.00012	-.01439	.00091	.00310	.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00010**	**.00014**	**.00023**	**.00042**	**-.00037**
Stddev	.00436	.00006	.00017	.00035	.00092	.00389
%RSD	157.83	60.661	114.83	154.95	219.00	1064.1
#1	.00676	.00007	.00032	.00042	.00001	.00399
#2	-.00189	.00006	-.00000	-.00018	-.00023	-.00349
#3	.00342	.00017	.00011	.00044	.00148	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08365**	**.00182**	**-.02387**	**.00010**	**.00690**	**.03783**
Stddev	.01129	.00127	.01784	.00003	.00111	.00667
%RSD	13.495	69.705	74.739	32.257	16.141	17.640
#1	.09313	.00099	-.03869	.00013	.00805	.04124
#2	.07116	.00119	-.00407	.00007	.00681	.04210
#3	.08667	.00328	-.02885	.00011	.00583	.03014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB8 Acquired: 11/24/2021 12:37:32 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00001**	F **.02875**	**-.00188**	**.00367**	**.04947**
Stddev	.00007	.00144	.00074	.00188	.01477	.00184
%RSD	156.79	13691.	2.5742	100.02	402.74	3.7128
#1	-.00004	-.00135	.02856	.00023	-.00571	.05029
#2	.00002	.00152	.02956	-.00248	-.00398	.05075
#3	-.00012	-.00014	.02812	-.00338	.02069	.04736
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			
Low Limit			-.01000			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**.00023**	**-.00007**	**.00249**	**.00007**
Stddev	.00413	.00019	.00144	.00080	.00010
%RSD	117.77	81.856	2061.9	32.215	154.54
#1	-.00148	.00044	.00151	.00192	.00007
#2	-.00827	.00007	-.00043	.00341	.00017
#3	-.00078	.00018	-.00130	.00215	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2147.8**	**3793.5**	**56463.**	**4820.0**
Stddev	1.5	2.6	165.	45.9
%RSD	.06869	.06930	.29181	.95182
#1	2146.4	3790.6	56450.	4771.9
#2	2147.8	3795.6	56305.	4863.2
#3	2149.3	3794.3	56634.	4824.9

Sample Name: 180-130293-D-3-C MS Acquired: 11/24/2021 12:42:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19797**	**3.9596**	**.66985**	**1.0233**	**.81705**	**.41674**
Stddev	.00084	.0116	.00071	.0019	.00260	.00261
%RSD	.42493	.29349	.10646	.18237	.31802	.62746
#1	.19707	3.9487	.67024	1.0240	.81944	.41953
#2	.19874	3.9718	.66902	1.0211	.81428	.41435
#3	.19808	3.9584	.67028	1.0246	.81744	.41633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.263**	**.40425**	**.40066**	**.40263**	**.40849**	**3.9510**
Stddev	.018	.00058	.00056	.00099	.00052	.0237
%RSD	.08908	.14377	.13878	.24550	.12708	.60058
#1	20.269	.40400	.40121	.40317	.40800	3.9784
#2	20.243	.40383	.40010	.40149	.40903	3.9376
#3	20.277	.40491	.40068	.40323	.40844	3.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.121**	**.41351**	**19.548**	**.40165**	**.30325**	**19.648**
Stddev	.161	.00077	.081	.00089	.00064	.205
%RSD	.84213	.18543	.41617	.22147	.20996	1.0419
#1	19.275	.41273	19.550	.40065	.30319	19.872
#2	18.953	.41426	19.465	.40233	.30391	19.471
#3	19.134	.41355	19.628	.40199	.30264	19.601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-C MS Acquired: 11/24/2021 12:42:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40149**	**.39859**	F **8.8418**	**.73284**	**.80034**	F **38.483**
Stddev	.00083	.00282	.0094	.00397	.00257	.101
%RSD	.20764	.70857	.10619	.54106	.32086	.26199
#1	.40174	.39793	8.8439	.72917	.80044	38.599
#2	.40217	.40168	8.8315	.73231	.79773	38.416
#3	.40056	.39614	8.8499	.73705	.80286	38.434
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.39771**	**.37127**	**.76571**	**.39747**	**.19722**
Stddev	.00193	.00041	.00087	.00419	.00107
%RSD	.48600	.11075	.11312	1.0546	.54452
#1	.39814	.37163	.76581	.40194	.19820
#2	.39939	.37082	.76653	.39683	.19607
#3	.39560	.37136	.76481	.39363	.19740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1971.8**	**3695.7**	**54633.**	**4813.8**
Stddev	4.1	8.7	114.	15.4
%RSD	.20853	.23494	.20895	.31955
#1	1967.1	3686.4	54755.	4796.5
#2	1973.7	3703.5	54529.	4826.0
#3	1974.6	3697.2	54614.	4818.9

Sample Name: 180-130293-D-3-D MSD Acquired: 11/24/2021 12:46:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19906**	**4.0501**	**.69437**	**1.0202**	**.82883**	**.42244**
Stddev	.00041	.0601	.00427	.0064	.00170	.00075
%RSD	.20659	1.4837	.61564	.62830	.20547	.17827
#1	.19859	4.0130	.69252	1.0181	.82697	.42307
#2	.19935	4.0178	.69132	1.0151	.82923	.42264
#3	.19924	4.1194	.69925	1.0274	.83030	.42160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.556**	**.41003**	**.40786**	**.40776**	**.41619**	**4.0515**
Stddev	.060	.00323	.00317	.00201	.00025	.0195
%RSD	.29291	.78774	.77662	.49275	.06093	.48083
#1	20.622	.40916	.40629	.40609	.41597	4.0604
#2	20.540	.40733	.40578	.40999	.41647	4.0649
#3	20.505	.41361	.41151	.40720	.41614	4.0291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.447**	**.41852**	**19.924**	**.40643**	**.32100**	**20.008**
Stddev	.044	.00064	.041	.00094	.00212	.014
%RSD	.22686	.15175	.20567	.23197	.65946	.06830
#1	19.491	.41857	19.968	.40534	.32058	19.999
#2	19.402	.41786	19.918	.40688	.31913	20.024
#3	19.447	.41913	19.887	.40706	.32330	20.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-D MSD Acquired: 11/24/2021 12:46:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40879**	**.40264**	F **8.9297**	**.75203**	**.83836**	F **39.816**
Stddev	.00303	.00646	.0657	.00587	.01154	.302
%RSD	.74017	1.6044	.73622	.78035	1.3766	.75866
#1	.40885	.39844	8.9048	.74722	.85005	39.695
#2	.40574	.39941	8.8800	.75031	.83805	39.592
#3	.41179	.41008	9.0042	.75857	.82698	40.159
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41377**	**.38516**	**.77276**	**.40934**	**.20066**
Stddev	.00226	.00117	.00615	.00235	.00175
%RSD	.54675	.30483	.79536	.57528	.87198
#1	.41635	.38389	.77268	.40671	.20029
#2	.41212	.38620	.76666	.41007	.19912
#3	.41284	.38540	.77895	.41124	.20256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1982.1**	**3704.1**	**55034.**	**4860.1**
Stddev	9.0	19.9	104.	46.7
%RSD	.45299	.53607	.18861	.96097
#1	1987.1	3713.3	55074.	4823.8
#2	1987.5	3717.6	55113.	4843.6
#3	1971.8	3681.3	54917.	4912.8

Sample Name: 180-130293-D-3-B PDS Acquired: 11/24/2021 12:50:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25369**	**5.1516**	**.98198**	**1.2860**	**.98730**	**.50122**
Stddev	.00053	.0450	.02981	.0332	.00164	.00338
%RSD	.21059	.87343	3.0356	2.5786	.16587	.67460
#1	.25308	5.2036	.94789	1.2478	.98891	.50413
#2	.25395	5.1274	.99488	1.3032	.98564	.50201
#3	.25405	5.1240	1.0032	1.3071	.98735	.49751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.060**	**.47880**	**.47159**	**.48294**	**.50115**	**5.2261**
Stddev	.096	.01261	.01322	.00380	.00351	.0368
%RSD	.36887	2.6328	2.8029	.78694	.70138	.70434
#1	26.115	.46426	.45633	.48349	.49855	5.2390
#2	26.116	.48551	.47921	.48643	.49975	5.2547
#3	25.949	.48663	.47924	.47889	.50515	5.1845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.801**	**.50074**	**25.383**	**.47909**	**.45644**	**25.495**
Stddev	.150	.00183	.247	.00214	.01199	.096
%RSD	.60514	.36635	.97448	.44614	2.6265	.37471
#1	24.940	.50062	25.557	.47772	.44262	25.604
#2	24.820	.50263	25.493	.48155	.46260	25.456
#3	24.642	.49897	25.100	.47799	.46409	25.425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-B PDS Acquired: 11/24/2021 12:50:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46547**	**.46271**	F **7.7954**	**.95081**	**1.0533**	F **25.768**
Stddev	.01330	.01241	.2197	.02229	.0104	.632
%RSD	2.8577	2.6823	2.8177	2.3443	.98534	2.4539
#1	.45013	.44839	7.5423	.92551	1.0475	25.038
#2	.47382	.46926	7.9072	.95940	1.0653	26.105
#3	.47247	.47047	7.9367	.96753	1.0472	26.160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49638**	**.49892**	**.89025**	**.49101**	**.24941**
Stddev	.00508	.00105	.02731	.00762	.00636
%RSD	1.0232	.20981	3.0679	1.5515	2.5516
#1	.50224	.49781	.85875	.48890	.24208
#2	.49317	.49989	.90727	.49946	.25259
#3	.49374	.49905	.90474	.48467	.25356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2009.9**	**3729.6**	**54823.**	**4833.0**
Stddev	45.4	79.6	166.	53.0
%RSD	2.2593	2.1351	.30246	1.0971
#1	2062.4	3821.5	54847.	4805.8
#2	1982.9	3686.7	54646.	4799.1
#3	1984.5	3680.6	54975.	4894.1

Sample Name: 180-129833-B-2-B Acquired: 11/24/2021 12:55:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.04178**	**.00264**	**.01004**	**.03010**	**.00002**
Stddev	.00007	.02080	.00253	.00063	.00019	.00005
%RSD	37.386	49.776	95.842	6.2406	.63901	235.24
#1	.00028	.05565	.00091	.01066	.02993	.00006
#2	.00014	.05182	.00554	.01007	.03007	-.00004
#3	.00017	.01787	.00146	.00940	.03031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44535**	**.00016**	**.00052**	**.00367**	**.02332**	**3.6806**
Stddev	.00672	.00014	.00008	.00037	.00053	.0221
%RSD	1.5089	89.136	14.656	9.9619	2.2921	.59991
#1	.43769	.00007	.00060	.00364	.02392	3.6608
#2	.45025	.00008	.00045	.00332	.02316	3.7044
#3	.44811	.00032	.00050	.00405	.02289	3.6765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01935**	**.00155**	**-.00282**	**.02817**	**.00365**	**.09128**
Stddev	.02445	.00023	.06981	.00016	.00042	.00333
%RSD	126.33	15.123	2473.5	.56614	11.479	3.6479
#1	.04500	.00153	.04168	.02823	.00405	.08745
#2	-.00368	.00133	-.08327	.02828	.00369	.09340
#3	.01674	.00180	.03313	.02798	.00322	.09300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129833-B-2-B Acquired: 11/24/2021 12:55:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01581**	**.00392**	**.06009**	**.00641**	**.37962**	**.11199**
Stddev	.00011	.00100	.00704	.00258	.00697	.01235
%RSD	.72289	25.457	11.708	40.294	1.8348	11.026
#1	.01594	.00471	.06733	.00344	.38122	.12427
#2	.01577	.00425	.05967	.00818	.37199	.11213
#3	.01573	.00280	.05328	.00759	.38564	.09958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.00659**	**-.00059**	**.00112**	**.05743**
Stddev	.00582	.00015	.00127	.00386	.00018
%RSD	97.790	2.2252	215.80	344.39	.32074
#1	-.00076	.00661	.00088	.00508	.05762
#2	.00893	.00644	-.00127	-.00263	.05742
#3	.00968	.00673	-.00137	.00091	.05725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2178.2**	**3802.0**	**57423.**	**4990.6**
Stddev	5.6	3.3	193.	12.6
%RSD	.25505	.08738	.33534	.25252
#1	2172.6	3800.9	57515.	4979.7
#2	2183.7	3805.7	57202.	5004.4
#3	2178.4	3799.4	57552.	4987.8

Sample Name: MB 180-379922/1-A Acquired: 11/24/2021 12:59:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.01022**	**-.00043**	**.00268**	**-.00014**	**.00005**
Stddev	.00015	.01713	.00077	.00023	.00023	.00016
%RSD	4298.8	167.61	180.29	8.6738	168.32	331.50
#1	.00011	.00347	-.00092	.00294	.00005	.00016
#2	.00006	-.02943	-.00083	.00261	-.00039	-.00013
#3	-.00017	-.00470	.00046	.00249	-.00007	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.00011**	**.00009**	**.00022**	**.00075**	**.00230**
Stddev	.00429	.00008	.00019	.00041	.00028	.00269
%RSD	71.411	69.165	198.68	185.85	37.905	116.88
#1	.00726	.00006	.00018	.00004	.00107	.00448
#2	.00954	.00008	.00022	.00070	.00064	-.00071
#3	.00123	.00020	-.00012	-.00007	.00054	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01389**	**.00087**	**-.02895**	**.00007**	**.00103**	**.00031**
Stddev	.02409	.00132	.01497	.00002	.00029	.00290
%RSD	173.44	152.66	51.685	30.292	28.176	929.83
#1	-.04165	.00226	-.03783	.00009	.00080	-.00217
#2	.00140	-.00037	-.01168	.00006	.00135	-.00040
#3	-.00142	.00071	-.03736	.00006	.00092	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379922/1-A Acquired: 11/24/2021 12:59:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00016**	F **.03143**	**-.00163**	**.00092**	**.06462**
Stddev	.00061	.00033	.00063	.00299	.01237	.00146
%RSD	741.81	202.22	2.0128	183.21	1342.9	2.2653
#1	.00006	-.00020	.03185	-.00009	.00818	.06591
#2	-.00051	.00044	.03173	-.00509	-.01336	.06493
#3	.00070	.00025	.03070	.00027	.00794	.06303
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			
Low Limit			-.01000			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00392**	**.00004**	**.00073**	**-.00194**	**-.00014**
Stddev	.00507	.00013	.00056	.00180	.00007
%RSD	129.29	344.62	75.580	92.868	48.084
#1	-.00975	.00004	.00112	-.00052	-.00021
#2	-.00058	.00016	.00010	-.00396	-.00007
#3	-.00143	-.00009	.00098	-.00133	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2142.3**	**3793.8**	**56786.**	**4845.0**
Stddev	.6	7.3	100.	47.6
%RSD	.03026	.19314	.17528	.98277
#1	2141.6	3799.3	56725.	4899.9
#2	2142.6	3785.5	56900.	4815.4
#3	2142.7	3796.6	56732.	4819.6

Sample Name: LCS 180-379922/2-A Acquired: 11/24/2021 13:04:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24784**	**4.8053**	**1.0224**	**1.3225**	**.98956**	**.50528**
Stddev	.00154	.0305	.0027	.0040	.00257	.00216
%RSD	.62157	.63468	.26744	.30231	.25932	.42775
#1	.24799	4.7805	1.0228	1.3209	.98799	.50307
#2	.24930	4.7961	1.0195	1.3271	.99252	.50739
#3	.24623	4.8394	1.0249	1.3196	.98817	.50537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.305**	**.50332**	**.48776**	**.48093**	**.49639**	**4.7753**
Stddev	.069	.00082	.00154	.00213	.00284	.0063
%RSD	.28513	.16273	.31553	.44238	.57228	.13229
#1	24.292	.50389	.48950	.48317	.49584	4.7692
#2	24.380	.50369	.48721	.47894	.49946	4.7750
#3	24.244	.50238	.48658	.48067	.49386	4.7818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.155**	**.50142**	**23.597**	**.48651**	**.46695**	**23.780**
Stddev	.100	.00213	.098	.00174	.00198	.076
%RSD	.42991	.42470	.41393	.35757	.42462	.32004
#1	23.053	.50246	23.499	.48640	.46502	23.748
#2	23.252	.50283	23.695	.48829	.46898	23.867
#3	23.160	.49897	23.598	.48482	.46683	23.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379922/2-A Acquired: 11/24/2021 13:04:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49101**	**.49256**	**.26379**	**1.0331**	**1.0271**	**.96479**
Stddev	.00049	.00031	.00189	.0024	.0124	.00330
%RSD	.10044	.06198	.71499	.23181	1.2086	.34155
#1	.49157	.49245	.26375	1.0347	1.0273	.96855
#2	.49082	.49232	.26570	1.0342	1.0146	.96344
#3	.49063	.49290	.26193	1.0304	1.0395	.96239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49872**	**.49914**	**.95697**	**.48485**	**.24272**
Stddev	.01422	.00103	.00290	.00790	.00076
%RSD	2.8506	.20620	.30263	1.6284	.31461
#1	.50614	.49832	.95778	.47704	.24352
#2	.50770	.49879	.95938	.48468	.24263
#3	.48233	.50029	.95376	.49283	.24200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1969.4**	**3689.7**	**54872.**	**4838.3**
Stddev	4.7	5.0	269.	22.1
%RSD	.24007	.13590	.49026	.45580
#1	1963.9	3684.2	54978.	4837.6
#2	1972.1	3691.2	54566.	4816.6
#3	1972.2	3693.9	55072.	4860.7

Sample Name: 180-129900-A-1-A Acquired: 11/24/2021 13:08:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00791**	**.00561**	**.08494**	**.51894**	**-.00001**
Stddev	.00040	.01643	.00053	.00028	.00249	.00008
%RSD	103.04	207.79	9.3564	.32492	.47992	588.29
#1	.00065	-.00367	.00600	.08497	.51635	.00008
#2	.00057	.00068	.00502	.08465	.51917	-.00007
#3	-.00007	.02672	.00582	.08520	.52131	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**155.76**	**.00014**	**.00088**	**.00030**	**.00033**	**.56760**
Stddev	.40	.00006	.00011	.00039	.00043	.00202
%RSD	.25772	39.990	12.827	126.97	132.96	.35568
#1	155.76	.00008	.00100	.00006	-.00002	.56938
#2	155.36	.00020	.00077	.00075	.00019	.56541
#3	156.16	.00015	.00088	.00010	.00081	.56802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4596**	**.02180**	**47.218**	**.09473**	**.00378**	**185.70**
Stddev	.0304	.00062	.232	.00006	.00039	.79
%RSD	.68137	2.8268	.49205	.05951	10.329	.42593
#1	4.4327	.02231	47.062	.09477	.00416	185.32
#2	4.4535	.02112	47.107	.09477	.00381	185.17
#3	4.4926	.02197	47.485	.09467	.00338	186.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-A Acquired: 11/24/2021 13:08:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00138**	**.01855**	**.00315**	**5.9984**	**.03066**
Stddev	.00009	.00107	.00198	.00281	.0477	.00093
%RSD	6.4043	77.796	10.679	89.273	.79455	3.0319
#1	.00131	.00014	.01630	.00607	5.9693	.03108
#2	.00142	.00195	.02002	.00291	5.9724	.02959
#3	.00125	.00204	.01932	.00047	6.0534	.03130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48401**	**.00013**	**.00045**	**.00184**	**.00141**
Stddev	.00724	.00007	.00020	.00370	.00023
%RSD	1.4963	57.851	44.528	201.57	16.393
#1	.49138	.00006	.00032	.00608	.00137
#2	.47690	.00021	.00068	-.00069	.00165
#3	.48376	.00011	.00034	.00012	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1793.0**	**3451.1**	**51277.**	**4690.3**
Stddev	.3	1.4	68.	37.9
%RSD	.01701	.04125	.13280	.80741
#1	1792.7	3452.6	51207.	4653.5
#2	1793.0	3450.9	51283.	4729.2
#3	1793.3	3449.7	51343.	4688.1

Sample Name: 180-129900-A-1A SD@5 Acquired: 11/24/2021 13:13:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00113**	**.00176**	**.01807**	**.10547**	**-.00002**
Stddev	.00015	.02582	.00179	.00073	.00511	.00002
%RSD	1664.4	2284.3	101.67	4.0611	4.8427	140.88
#1	.00003	.02898	.00007	.01842	.10302	-.00000
#2	.00012	-.00358	.00158	.01857	.11134	-.00000
#3	-.00018	-.02200	.00363	.01723	.10205	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.229**	**.00008**	**.00022**	**.00002**	**.00065**	**.11639**
Stddev	1.635	.00007	.00045	.00011	.00033	.00542
%RSD	5.0724	85.330	201.90	437.21	50.013	4.6562
#1	31.479	.00015	-.00029	-.00006	.00074	.11723
#2	34.104	.00007	.00050	-.00001	.00093	.12134
#3	31.103	.00001	.00045	.00015	.00029	.11060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87604**	**.00530**	**9.7031**	**.01933**	**.00132**	**36.957**
Stddev	.07638	.00191	.5428	.00011	.00025	1.861
%RSD	8.7184	36.002	5.5939	.58285	18.875	5.0365
#1	.80272	.00404	9.4457	.01946	.00152	35.953
#2	.95514	.00436	10.327	.01931	.00104	39.105
#3	.87026	.00749	9.3370	.01924	.00138	35.813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1A SD@5 Acquired: 11/24/2021 13:13:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00051**	**.01839**	**-.00294**	**1.2069**	**.03242**
Stddev	.00035	.00015	.00079	.00066	.0626	.00051
%RSD	167.96	29.417	4.3042	22.337	5.1838	1.5768
#1	.00026	-.00058	.01929	-.00278	1.1886	.03192
#2	.00054	-.00034	.01806	-.00366	1.2766	.03294
#3	-.00017	-.00062	.01781	-.00238	1.1556	.03238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.09846**	**.00011**	**.00135**	**-.00031**	**.00161**
Stddev	.00532	.00024	.00129	.00253	.00009
%RSD	5.4076	221.33	95.574	803.16	5.5996
#1	.09257	-.00015	.00189	.00256	.00157
#2	.09987	.00014	.00227	-.00130	.00155
#3	.10293	.00034	-.00012	-.00220	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1993.1**	**3631.6**	**53643.**	**4668.6**
Stddev	3.2	6.4	324.	216.2
%RSD	.16152	.17636	.60370	4.6313
#1	1993.1	3630.6	53453.	4802.7
#2	1989.9	3625.8	53459.	4419.2
#3	1996.3	3638.5	54017.	4784.0

Sample Name: 180-129900-A-1-B MS Acquired: 11/24/2021 13:18:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26329**	**5.0326**	**1.0930**	**1.4841**	**1.5619**	**.51647**
Stddev	.00188	.0266	.0035	.0055	.0045	.00210
%RSD	.71271	.52840	.31826	.36984	.28966	.40653
#1	.26489	5.0049	1.0933	1.4824	1.5641	.51718
#2	.26122	5.0349	1.0894	1.4797	1.5650	.51811
#3	.26375	5.0580	1.0964	1.4902	1.5567	.51410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**186.50**	**.53115**	**.51504**	**.48727**	**.52202**	**5.4779**
Stddev	1.00	.00091	.00044	.00703	.00563	.0246
%RSD	.53596	.17137	.08558	1.4422	1.0783	.44966
#1	187.21	.53015	.51555	.49086	.52621	5.5062
#2	186.94	.53137	.51473	.47917	.51562	5.4621
#3	185.36	.53193	.51484	.49177	.52424	5.4653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.831**	**.55888**	**73.810**	**.58790**	**.48326**	**218.08**
Stddev	.097	.00082	.468	.00548	.00290	1.09
%RSD	.32411	.14652	.63400	.93208	.59957	.50015
#1	29.907	.55982	74.099	.59164	.48027	218.49
#2	29.864	.55843	74.061	.58161	.48345	218.91
#3	29.722	.55839	73.270	.59045	.48606	216.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-B MS Acquired: 11/24/2021 13:18:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51211**	**.51750**	**.26842**	**1.0949**	**7.3647**	**.95934**
Stddev	.00109	.00065	.00341	.0084	.0269	.00287
%RSD	.21268	.12548	1.2706	.76619	.36467	.29935
#1	.51274	.51709	.26464	1.0866	7.3826	.96103
#2	.51086	.51717	.26935	1.0947	7.3777	.95602
#3	.51274	.51825	.27127	1.1034	7.3339	.96096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0060**	**.51449**	**.95496**	**.50488**	**.24542**
Stddev	.0104	.00524	.00313	.00442	.00071
%RSD	1.0370	1.0182	.32732	.87641	.28958
#1	.99847	.51876	.95335	.50884	.24481
#2	1.0179	.50865	.95297	.50011	.24526
#3	1.0017	.51607	.95856	.50569	.24620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1736.5**	**3418.0**	**51073.**	**4686.7**
Stddev	1.7	9.9	397.	48.1
%RSD	.09946	.29092	.77677	1.0271
#1	1735.5	3425.0	50758.	4650.4
#2	1738.4	3422.3	51518.	4668.5
#3	1735.4	3406.6	50941.	4741.3

Sample Name: 180-129900-A-1-C MSD Acquired: 11/24/2021 13:22:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25870**	**4.9924**	**1.0753**	**1.4853**	**1.5422**	**.51054**
Stddev	.00029	.0418	.0056	.0043	.0039	.00050
%RSD	.11174	.83652	.52555	.29039	.25474	.09794
#1	.25893	4.9448	1.0700	1.4813	1.5379	.51102
#2	.25879	5.0094	1.0812	1.4899	1.5455	.51057
#3	.25837	5.0230	1.0747	1.4847	1.5431	.51002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**182.95**	**.52161**	**.50434**	**.48035**	**.51364**	**5.4372**
Stddev	.62	.00062	.00160	.00100	.00248	.0150
%RSD	.33890	.11794	.31727	.20779	.48301	.27514
#1	182.68	.52098	.50385	.48149	.51088	5.4200
#2	183.66	.52221	.50613	.47993	.51570	5.4467
#3	182.50	.52163	.50304	.47963	.51433	5.4450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.504**	**.55650**	**72.446**	**.57915**	**.47765**	**214.10**
Stddev	.079	.00224	.250	.00095	.00103	.48
%RSD	.26787	.40166	.34474	.16480	.21584	.22558
#1	29.416	.55417	72.311	.58005	.47669	213.55
#2	29.567	.55863	72.734	.57815	.47874	214.47
#3	29.529	.55670	72.293	.57926	.47752	214.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-C MSD Acquired: 11/24/2021 13:22:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50429**	**.50591**	**.25850**	**1.0874**	**7.2096**	**.94035**
Stddev	.00183	.00291	.00269	.0047	.0389	.00372
%RSD	.36252	.57528	1.0398	.43651	.53914	.39575
#1	.50256	.50320	.25565	1.0821	7.1787	.93824
#2	.50620	.50899	.26100	1.0911	7.2532	.94465
#3	.50413	.50554	.25884	1.0891	7.1967	.93817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97686**	**.50675**	**.93954**	**.49834**	**.24181**
Stddev	.00864	.00070	.00239	.00336	.00082
%RSD	.88465	.13884	.25412	.67430	.34016
#1	.97170	.50720	.93859	.50186	.24185
#2	.98684	.50594	.94226	.49800	.24262
#3	.97205	.50711	.93779	.49516	.24098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1732.7**	**3414.4**	**50968.**	**4682.8**
Stddev	3.3	3.3	55.	29.7
%RSD	.18840	.09685	.10774	.63432
#1	1734.0	3416.0	50956.	4701.2
#2	1729.0	3410.6	50921.	4648.5
#3	1735.1	3416.7	51028.	4698.7

Sample Name: CCV 4546440 Acquired: 11/24/2021 13:26:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0007**	**24.386**	**.50417**	**2.0413**	**1.9960**	**2.0086**
Stddev	.0013	.106	.00393	.0017	.0056	.0085
%RSD	.12736	.43659	.77864	.08375	.28197	.42238
#1	.99935	24.303	.50177	2.0428	1.9926	2.0013
#2	1.0010	24.506	.50204	2.0395	2.0025	2.0179
#3	1.0019	24.349	.50870	2.0417	1.9930	2.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.526**	**.50389**	**2.0036**	**1.9206**	**1.9806**	**24.276**
Stddev	.076	.00019	.0021	.0067	.0061	.058
%RSD	.15248	.03778	.10630	.34979	.30721	.24011
#1	49.440	.50407	2.0050	1.9193	1.9736	24.242
#2	49.581	.50369	2.0047	1.9147	1.9847	24.343
#3	49.558	.50390	2.0012	1.9279	1.9835	24.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.42**	**2.0299**	**48.124**	**1.9328**	**1.9074**	**120.75**
Stddev	.69	.0021	.220	.0046	.0009	.90
%RSD	.58083	.10552	.45746	.23629	.04605	.74129
#1	118.04	2.0300	47.917	1.9289	1.9083	120.23
#2	119.21	2.0277	48.355	1.9318	1.9073	121.79
#3	118.01	2.0320	48.100	1.9378	1.9066	120.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 13:26:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0277**	**.51244**	**.51230**	**.51346**	**1.9794**	**1.8605**
Stddev	.0024	.00204	.00342	.00486	.0226	.0021
%RSD	.12101	.39739	.66779	.94680	1.1430	.11276
#1	2.0305	.51413	.51297	.50972	1.9692	1.8629
#2	2.0268	.51018	.50859	.51170	2.0054	1.8598
#3	2.0259	.51301	.51533	.51895	1.9638	1.8588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9763**	**1.9802**	**.94826**	**1.9746**	**1.9332**
Stddev	.0082	.0030	.00485	.0082	.0009
%RSD	.41523	.15345	.51165	.41528	.04791
#1	1.9684	1.9769	.95237	1.9786	1.9342
#2	1.9848	1.9811	.94291	1.9652	1.9323
#3	1.9756	1.9828	.94949	1.9801	1.9332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1790.0**	**3538.2**	**52105.**	**4692.3**
Stddev	3.0	5.7	210.	11.7
%RSD	.16968	.16158	.40327	.24931
#1	1787.1	3531.6	52327.	4702.6
#2	1789.7	3541.1	52077.	4679.6
#3	1793.2	3541.8	51910.	4694.8

Sample Name: CCB9 Acquired: 11/24/2021 13:31:12 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00059**	**-.00004**	**.00375**	**-.00005**	**.00015**
Stddev	.00018	.02447	.00054	.00053	.00021	.00006
%RSD	103.16	4119.9	1285.8	14.103	455.80	38.859
#1	.00000	-.02082	-.00045	.00341	.00020	.00012
#2	.00015	.02726	.00057	.00435	-.00014	.00021
#3	.00035	-.00466	-.00024	.00348	-.00020	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.00006**	**-.00001**	**.00026**	**.00043**	**-.00194**
Stddev	.00293	.00008	.00045	.00043	.00035	.00246
%RSD	69.653	135.22	3617.9	163.74	81.611	126.68
#1	.00732	.00003	.00035	.00044	.00010	.00006
#2	.00377	-.00000	.00012	.00057	.00080	-.00469
#3	.00151	.00014	-.00051	-.00023	.00039	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06886**	**.00277**	**-.02767**	**.00004**	**.00796**	**.06025**
Stddev	.02916	.00213	.02157	.00003	.00107	.00724
%RSD	42.351	76.874	77.954	77.092	13.446	12.009
#1	.05225	.00372	-.01641	.00000	.00900	.05453
#2	.05180	.00426	-.05253	.00005	.00802	.06838
#3	.10253	.00033	-.01406	.00005	.00686	.05784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB9 Acquired: 11/24/2021 13:31:12 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00079**	**.00854**	**.00085**	**.00346**	**.01763**
Stddev	.00018	.00027	.00154	.00102	.01098	.00013
%RSD	118.33	34.611	18.024	119.28	317.48	.76335
#1	.00008	.00109	.01026	.00032	.01613	.01748
#2	.00002	.00056	.00806	.00203	-.00311	.01767
#3	.00035	.00072	.00730	.00021	-.00265	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**.00028**	**.00065**	**.00162**	**.00001**
Stddev	.00455	.00006	.00015	.00326	.00026
%RSD	297.72	22.158	23.979	200.58	2202.0
#1	-.00047	.00021	.00053	.00478	.00031
#2	-.00652	.00029	.00058	.00182	-.00017
#3	.00240	.00033	.00082	-.00173	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2122.1**	**3744.2**	**55768.**	**4784.0**
Stddev	1.8	1.5	144.	39.4
%RSD	.08574	.04041	.25883	.82367
#1	2124.0	3744.8	55677.	4821.1
#2	2120.3	3742.5	55694.	4788.2
#3	2122.1	3745.3	55935.	4742.7

Sample Name: 180-129900-A-1-A PDS Acquired: 11/24/2021 13:35:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27597**	**5.0462**	**1.0886**	**1.5421**	**1.5294**	**.51542**
Stddev	.00112	.0145	.0021	.0009	.0040	.00022
%RSD	.40725	.28772	.19334	.05629	.25831	.04298
#1	.27494	5.0443	1.0866	1.5412	1.5253	.51558
#2	.27717	5.0616	1.0883	1.5422	1.5297	.51552
#3	.27580	5.0328	1.0908	1.5429	1.5332	.51517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.98**	**.52876**	**.51288**	**.48740**	**.52068**	**5.4625**
Stddev	.33	.00124	.00135	.00096	.00379	.0144
%RSD	.18547	.23494	.26280	.19754	.72828	.26377
#1	175.75	.52880	.51391	.48641	.51672	5.4739
#2	175.84	.52997	.51338	.48833	.52428	5.4673
#3	176.36	.52749	.51136	.48747	.52103	5.4463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.540**	**.55711**	**70.494**	**.58355**	**.48741**	**205.67**
Stddev	.053	.00347	.049	.00153	.00120	.26
%RSD	.18090	.62300	.06981	.26245	.24526	.12608
#1	29.497	.55385	70.549	.58180	.48759	205.95
#2	29.600	.55672	70.477	.58465	.48851	205.61
#3	29.524	.56076	70.456	.58419	.48614	205.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-A PDS Acquired: 11/24/2021 13:35:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51180**	**.51702**	**.27393**	**1.0841**	**6.9620**	**.95237**
Stddev	.00075	.00174	.00279	.0044	.0125	.00472
%RSD	.14697	.33661	1.0185	.40289	.17915	.49517
#1	.51258	.51901	.27511	1.0858	6.9763	.95777
#2	.51173	.51584	.27594	1.0874	6.9556	.94906
#3	.51108	.51619	.27074	1.0791	6.9540	.95027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97596**	**.51618**	**.94946**	**.50290**	**.25760**
Stddev	.00275	.00029	.00190	.00510	.00097
%RSD	.28210	.05532	.19997	1.0139	.37709
#1	.97619	.51605	.95103	.49806	.25862
#2	.97310	.51650	.94735	.50822	.25748
#3	.97860	.51598	.95001	.50241	.25669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1750.1**	**3434.9**	**51454.**	**4737.0**
Stddev	3.3	5.7	137.	20.7
%RSD	.19139	.16598	.26625	.43638
#1	1747.3	3433.3	51611.	4714.8
#2	1749.2	3430.1	51364.	4755.7
#3	1753.8	3441.2	51386.	4740.4

Sample Name: 180-130074-A-10-A Acquired: 11/24/2021 13:40:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00755**	**.56801**	**.03143**	**.07610**	**.00002**
Stddev	.00046	.01446	.00117	.00033	.00032	.00008
%RSD	520.82	191.60	.20633	1.0520	.42322	394.98
#1	.00003	.00142	.56889	.03181	.07614	-.00007
#2	.00030	-.02423	.56847	.03118	.07640	.00006
#3	-.00060	.00017	.56668	.03132	.07576	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7574**	**.00039**	**.00155**	**.00520**	**.00048**	**2.9520**
Stddev	.0130	.00009	.00017	.00052	.00069	.0211
%RSD	.47028	23.265	11.038	10.036	142.83	.71575
#1	2.7719	.00038	.00166	.00462	.00115	2.9764
#2	2.7531	.00030	.00164	.00563	.00052	2.9387
#3	2.7470	.00048	.00135	.00535	-.00023	2.9410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6895**	**.00226**	**1.2322**	**.13589**	**.00413**	**17.887**
Stddev	.0568	.00061	.0061	.00048	.00064	.132
%RSD	2.1112	27.154	.49641	.35248	15.586	.73659
#1	2.7548	.00279	1.2280	.13633	.00486	18.038
#2	2.6516	.00159	1.2392	.13538	.00389	17.820
#3	2.6620	.00239	1.2294	.13596	.00364	17.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-10-A Acquired: 11/24/2021 13:40:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00078**	**.00761**	**.00179**	**5.2601**	**.01141**
Stddev	.00035	.00072	.00011	.00141	.0356	.00023
%RSD	4655.2	91.417	1.5081	78.869	.67620	2.0362
#1	.00013	.00145	.00774	.00322	5.2807	.01162
#2	.00028	.00089	.00753	.00040	5.2805	.01145
#3	-.00039	.00002	.00756	.00175	5.2190	.01116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02309**	**.00061**	**.00168**	**.00576**	**.00229**
Stddev	.00224	.00009	.00107	.00176	.00002
%RSD	9.7153	15.590	63.389	30.502	1.0230
#1	.02428	.00066	.00245	.00455	.00232
#2	.02450	.00050	.00046	.00778	.00230
#3	.02051	.00067	.00214	.00496	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2084.1**	**3706.1**	**55392.**	**4869.0**
Stddev	4.6	9.4	87.	13.9
%RSD	.22008	.25302	.15796	.28512
#1	2082.2	3706.1	55320.	4861.6
#2	2080.9	3696.7	55489.	4860.3
#3	2089.4	3715.4	55365.	4885.0

Sample Name: 180-130074-A-11-A Acquired: 11/24/2021 13:44:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00863**	**.00251**	**.03024**	**.17147**	**.00012**
Stddev	.00019	.02475	.00118	.00018	.00116	.00014
%RSD	87.695	286.92	46.889	.61102	.67690	117.27
#1	-.00018	-.03087	.00374	.03028	.17184	.00014
#2	-.00043	.01804	.00139	.03040	.17240	-.00003
#3	-.00005	-.01305	.00240	.03004	.17017	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6821**	**.00006**	**.02038**	**.00024**	**.00053**	**1.7588**
Stddev	.0199	.00016	.00018	.00038	.00026	.0109
%RSD	.54036	253.46	.88573	160.33	48.044	.62064
#1	3.6977	-.00007	.02058	.00016	.00069	1.7709
#2	3.6890	.00024	.02023	-.00010	.00024	1.7558
#3	3.6597	.00002	.02033	.00065	.00067	1.7497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7187**	**.00192**	**5.2076**	**.54309**	**.00164**	**13.103**
Stddev	.0258	.00073	.0395	.00387	.00012	.053
%RSD	.95050	38.159	.75840	.71191	7.3407	.40731
#1	2.7286	.00229	5.1724	.53899	.00169	13.094
#2	2.7382	.00240	5.2503	.54667	.00172	13.160
#3	2.6894	.00108	5.2000	.54361	.00150	13.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-11-A Acquired: 11/24/2021 13:44:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00053**	**.00874**	**-.00196**	**4.9320**	**.00927**
Stddev	.00052	.00174	.00128	.00326	.0363	.00078
%RSD	68.582	327.91	14.679	166.13	.73600	8.3867
#1	.00016	-.00092	.00797	-.00136	4.9395	.01015
#2	.00105	.00246	.01022	.00095	4.9639	.00895
#3	.00109	.00005	.00803	-.00548	4.8925	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05710**	**.00015**	**.00140**	**.00346**	**.00480**
Stddev	.00366	.00009	.00132	.00348	.00009
%RSD	6.4166	60.700	94.471	100.63	1.8685
#1	.05861	.00020	.00190	.00558	.00491
#2	.05292	.00005	-.00010	.00536	.00475
#3	.05977	.00021	.00239	-.00056	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2076.5**	**3703.2**	**55464.**	**4864.3**
Stddev	8.0	10.6	483.	16.2
%RSD	.38685	.28562	.87057	.33299
#1	2067.3	3693.4	55985.	4846.8
#2	2081.7	3714.4	55031.	4867.5
#3	2080.6	3701.8	55377.	4878.7

Sample Name: 180-130075-A-1-A Acquired: 11/24/2021 13:49:29 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.06505**	**.03745**	**.08355**	**.10030**	**-.00001**
Stddev	.00040	.02028	.00324	.00047	.00041	.00013
%RSD	2341.0	31.172	8.6441	.56245	.41259	1945.2
#1	.00029	.05793	.03438	.08401	.10002	-.00015
#2	-.00047	.04930	.04083	.08357	.10078	.00011
#3	.00012	.08793	.03714	.08307	.10011	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.353**	**.00016**	**.00058**	**.00144**	**.00295**	**10.423**
Stddev	.090	.00006	.00026	.00019	.00029	.041
%RSD	.16472	37.152	44.363	12.939	9.8223	.39740
#1	54.442	.00013	.00062	.00135	.00262	10.464
#2	54.263	.00013	.00031	.00166	.00304	10.424
#3	54.353	.00023	.00082	.00132	.00318	10.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.508**	**.00265**	**17.031**	**.19918**	**.00324**	**11.862**
Stddev	.115	.00090	.063	.00174	.00024	.075
%RSD	.74208	33.891	.36701	.87371	7.4161	.62915
#1	15.631	.00351	17.047	.19865	.00348	11.862
#2	15.492	.00271	16.962	.20112	.00300	11.937
#3	15.402	.00172	17.084	.19776	.00325	11.788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130075-A-1-A Acquired: 11/24/2021 13:49:29 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00093**	**.00854**	**-.00329**	**8.6224**	**.01113**
Stddev	.00013	.00032	.00187	.00172	.0481	.00056
%RSD	12.496	33.999	21.854	52.183	.55825	5.0271
#1	.00100	.00130	.00652	-.00194	8.6652	.01177
#2	.00098	.00072	.00890	-.00523	8.6316	.01086
#3	.00122	.00078	.01020	-.00271	8.5703	.01076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16267**	**.00105**	**.00164**	**.00597**	**.00226**
Stddev	.01279	.00012	.00054	.00206	.00014
%RSD	7.8604	11.798	32.590	34.482	6.3328
#1	.17132	.00118	.00210	.00742	.00217
#2	.14799	.00093	.00106	.00689	.00219
#3	.16872	.00104	.00177	.00361	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1958.1**	**3602.2**	**54112.**	**4788.6**
Stddev	3.9	9.6	387.	8.6
%RSD	.20095	.26694	.71443	.17934
#1	1953.6	3591.1	54375.	4789.8
#2	1960.9	3607.7	53669.	4796.5
#3	1959.8	3607.8	54293.	4779.5

Sample Name: 180-130075-B-1-A Acquired: 11/24/2021 13:54:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.01035**	**.02761**	**.09203**	**.10502**	**.00009**
Stddev	.00015	.01557	.00122	.00056	.00052	.00005
%RSD	1895.1	150.36	4.4322	.60437	.49065	60.830
#1	-.00006	.02079	.02756	.09267	.10443	.00009
#2	-.00012	.01781	.02641	.09171	.10521	.00014
#3	.00016	-.00754	.02885	.09171	.10540	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.321**	**.00010**	**.00034**	**.00053**	**.00613**	**5.7902**
Stddev	.066	.00007	.00014	.00057	.00024	.0352
%RSD	.10645	66.432	40.768	107.84	3.9794	.60848
#1	62.279	.00018	.00049	.00036	.00635	5.7667
#2	62.287	.00006	.00032	.00116	.00619	5.7732
#3	62.398	.00007	.00021	.00006	.00587	5.8307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.536**	**.00187**	**19.203**	**.18341**	**.00351**	**11.336**
Stddev	.086	.00036	.072	.00052	.00038	.032
%RSD	.55324	19.373	.37384	.28218	10.921	.28180
#1	15.487	.00213	19.284	.18284	.00394	11.323
#2	15.486	.00146	19.176	.18355	.00339	11.313
#3	15.635	.00201	19.148	.18384	.00320	11.372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130075-B-1-A Acquired: 11/24/2021 13:54:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00072**	**.00740**	**-.00317**	**8.5747**	**.00827**
Stddev	.00023	.00217	.00160	.00015	.0131	.00105
%RSD	16.693	300.53	21.648	4.7291	.15326	12.656
#1	.00149	-.00148	.00817	-.00300	8.5622	.00870
#2	.00111	.00286	.00556	-.00329	8.5736	.00708
#3	.00151	.00079	.00848	-.00323	8.5884	.00903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17059**	**-.00000**	**.00232**	**.00501**	**.00332**
Stddev	.00939	.00003	.00098	.00251	.00010
%RSD	5.5074	4155.3	42.008	50.118	3.0814
#1	.15981	.00003	.00133	.00685	.00332
#2	.17707	-.00001	.00328	.00602	.00321
#3	.17488	-.00002	.00236	.00215	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1957.6**	**3611.9**	**54356.**	**4840.2**
Stddev	3.8	3.3	148.	16.9
%RSD	.19403	.09005	.27305	.34984
#1	1955.2	3615.6	54518.	4852.2
#2	1962.0	3610.2	54227.	4847.6
#3	1955.6	3609.8	54322.	4820.8

Sample Name: 180-130223-D-1-A Acquired: 11/24/2021 13:58:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.01604**	**.00036**	**.00711**	**.00376**	**.00004**
Stddev	.00016	.02510	.00023	.00050	.00016	.00006
%RSD	131.86	156.48	63.407	7.0437	4.1622	144.92
#1	.00017	.00101	.00017	.00718	.00365	-.00003
#2	-.00006	.00209	.00030	.00658	.00369	.00008
#3	.00025	.04501	.00061	.00758	.00394	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3342**	**.00015**	**.00019**	**.00022**	**.00220**	**.02324**
Stddev	.0200	.00009	.00006	.00053	.00074	.00286
%RSD	.85670	60.940	30.756	244.46	33.437	12.321
#1	2.3117	.00006	.00025	.00054	.00277	.02409
#2	2.3498	.00024	.00014	-.00039	.00137	.02558
#3	2.3412	.00015	.00018	.00050	.00246	.02005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03215**	**-.00047**	**.16520**	**.00904**	**.00077**	**.26696**
Stddev	.02861	.00085	.03505	.00004	.00033	.00308
%RSD	88.989	182.35	21.217	.43734	42.617	1.1533
#1	.01967	.00015	.13850	.00907	.00114	.26828
#2	.01190	-.00012	.20489	.00900	.00053	.26916
#3	.06487	-.00144	.15221	.00907	.00063	.26344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130223-D-1-A Acquired: 11/24/2021 13:58:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00066**	**.00840**	**-.00255**	**.22428**	**.00806**
Stddev	.00040	.00177	.00097	.00316	.00982	.00072
%RSD	311.62	267.01	11.597	123.73	4.3780	8.9355
#1	.00054	.00252	.00892	.00014	.22918	.00880
#2	.00008	-.00101	.00900	-.00177	.21297	.00736
#3	-.00024	.00048	.00728	-.00603	.23068	.00802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00034**	**.00054**	**.00518**	**.05019**
Stddev	.00434	.00010	.00194	.00485	.00026
%RSD	576.14	28.942	363.13	93.554	.52348
#1	-.00076	.00026	-.00112	.00968	.05025
#2	.00359	.00045	.00268	.00004	.04991
#3	-.00509	.00031	.00004	.00583	.05042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2121.9**	**3730.2**	**56143.**	**4826.7**
Stddev	5.9	14.9	279.	24.4
%RSD	.27838	.39929	.49609	.50639
#1	2115.4	3715.2	55829.	4852.6
#2	2126.9	3745.0	56241.	4823.6
#3	2123.6	3730.3	56360.	4804.0

Sample Name: 180-130331-E-1-A Acquired: 11/24/2021 14:03:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.02408**	**.00160**	**.20032**	**.03984**	**-.00000**
Stddev	.00023	.01700	.00248	.00060	.00036	.00009
%RSD	180.92	70.590	155.12	.30115	.91129	50405.
#1	-.00008	.02207	.00410	.20092	.03982	-.00008
#2	.00010	.00817	.00153	.19971	.04021	-.00002
#3	.00037	.04198	-.00085	.20034	.03948	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.811**	**.00011**	**.00079**	**-.00006**	**.00026**	**.15428**
Stddev	.169	.00012	.00001	.00073	.00047	.00302
%RSD	.37738	112.24	1.4462	1241.9	178.94	1.9548
#1	45.003	-.00002	.00080	-.00025	.00005	.15087
#2	44.746	.00013	.00079	-.00068	-.00007	.15539
#3	44.683	.00022	.00078	.00075	.00080	.15658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5659**	**.02241**	**13.975**	**.12511**	**.00117**	**233.83**
Stddev	.0231	.00086	.045	.00043	.00005	1.01
%RSD	.50484	3.8199	.32516	.34135	4.0403	.42994
#1	4.5909	.02280	13.991	.12529	.00123	234.94
#2	4.5455	.02143	14.011	.12463	.00114	232.98
#3	4.5613	.02301	13.924	.12542	.00115	233.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130331-E-1-A Acquired: 11/24/2021 14:03:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00047**	**.00549**	**-.00422**	**4.2511**	**.00703**
Stddev	.00030	.00064	.00109	.00214	.0409	.00028
%RSD	23.690	137.65	19.792	50.732	.96237	3.9223
#1	.00098	-.00027	.00453	-.00232	4.2764	.00725
#2	.00158	.00090	.00667	-.00654	4.2731	.00672
#3	.00127	.00077	.00528	-.00380	4.2039	.00713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.83542**	**.00023**	**.00200**	**.00315**	**.00330**
Stddev	.00422	.00017	.00080	.00155	.00007
%RSD	.50489	73.994	39.774	49.272	2.2511
#1	.83160	.00003	.00181	.00468	.00322
#2	.83472	.00033	.00287	.00158	.00331
#3	.83995	.00032	.00132	.00319	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1838.9**	**3502.9**	**51970.**	**4749.8**
Stddev	5.2	6.6	128.	27.3
%RSD	.28314	.18708	.24673	.57547
#1	1843.2	3510.4	51964.	4732.5
#2	1840.4	3498.4	52101.	4735.7
#3	1833.1	3499.8	51845.	4781.3

Sample Name: 180-130314-A-2-B Acquired: 11/24/2021 14:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00759**	**.12091**	F **37.236**	**-.00011**	**-.00002**
Stddev	.00025	.01196	.00235	.046	.00017	.00008
%RSD	1293.0	157.64	1.9446	.12470	150.29	386.35
#1	.00026	-.00230	.12224	37.289	-.00022	.00004
#2	-.00016	-.02128	.12231	37.219	-.00019	.00001
#3	-.00017	.00082	.11820	37.200	.00008	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07480**	**.00016**	**.00151**	**.00134**	**.01525**	**.02429**
Stddev	.00106	.00007	.00007	.00017	.00085	.00155
%RSD	1.4178	41.355	4.4113	12.744	5.6026	6.3744
#1	.07554	.00009	.00148	.00149	.01590	.02606
#2	.07528	.00018	.00158	.00116	.01428	.02317
#3	.07359	.00022	.00146	.00136	.01558	.02365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.447**	**.00926**	**.09396**	**.00299**	**.44943**	**235.72**
Stddev	.031	.00121	.01056	.00008	.00124	2.48
%RSD	.24801	13.046	11.238	2.8229	.27486	1.0538
#1	12.455	.00788	.09673	.00298	.45049	237.71
#2	12.412	.00976	.10286	.00307	.44972	236.51
#3	12.472	.01014	.08230	.00291	.44807	232.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130314-A-2-B Acquired: 11/24/2021 14:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.09647**	**.00608**	**.19582**	**3.8727**	**.04068**
Stddev	.00029	.00245	.00068	.00154	.0085	.00053
%RSD	53.496	2.5401	11.191	.78402	.21965	1.2944
#1	-.00085	.09788	.00686	.19748	3.8687	.04061
#2	-.00053	.09789	.00558	.19446	3.8669	.04124
#3	-.00026	.09364	.00580	.19551	3.8824	.04019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00009**	F **-.09213**	**.00307**	**.02121**
Stddev	.00839	.00006	.00179	.00291	.00017
%RSD	6821.9	69.382	1.9392	94.774	.80315
#1	-.00534	-.00014	-.09392	.00331	.02118
#2	-.00458	-.00011	-.09035	.00005	.02139
#3	.00956	-.00002	-.09211	.00584	.02105
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			5.0000		
Low Limit			-.02000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2002.5**	**3352.5**	**51646.**	**4979.0**
Stddev	3.6	4.3	114.	21.1
%RSD	.17796	.12831	.22040	.42423
#1	2005.6	3353.9	51524.	4959.1
#2	1998.6	3347.7	51749.	4976.8
#3	2003.3	3356.0	51665.	5001.1

Sample Name: CCV 4546440 Acquired: 11/24/2021 14:13:01 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99809**	**24.251**	**.50255**	**2.0800**	**1.9900**	**2.0053**
Stddev	.00405	.031	.00408	.0143	.0023	.0084
%RSD	.40536	.12853	.81118	.68810	.11463	.41930
#1	1.0015	24.284	.50029	2.0779	1.9924	1.9970
#2	.99362	24.223	.50010	2.0668	1.9878	2.0139
#3	.99916	24.245	.50725	2.0952	1.9899	2.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.280**	**.50370**	**1.9974**	**1.9109**	**1.9730**	**24.194**
Stddev	.182	.00396	.0172	.0084	.0076	.097
%RSD	.36964	.78546	.86018	.44087	.38432	.40140
#1	49.171	.50222	1.9878	1.9191	1.9722	24.082
#2	49.490	.50070	1.9871	1.9022	1.9658	24.243
#3	49.178	.50819	2.0172	1.9113	1.9809	24.256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.54**	**2.0164**	**48.160**	**1.9242**	**1.9019**	**120.97**
Stddev	.86	.0030	.362	.0101	.0169	.51
%RSD	.72137	.15075	.75118	.52579	.88676	.42165
#1	117.64	2.0180	47.869	1.9324	1.8976	120.44
#2	119.33	2.0129	48.565	1.9129	1.8877	121.46
#3	118.65	2.0183	48.046	1.9273	1.9205	121.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 14:13:01 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0235**	**.50838**	**.50355**	**.51074**	**1.9819**	**1.8507**
Stddev	.0183	.00362	.00355	.00718	.0166	.0139
%RSD	.90285	.71248	.70507	1.4054	.83644	.75171
#1	2.0078	.50848	.50525	.50592	1.9642	1.8439
#2	2.0191	.50470	.49947	.50731	1.9846	1.8415
#3	2.0436	.51195	.50593	.51899	1.9970	1.8667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0067**	**1.9742**	**.93976**	**1.9781**	**1.9354**
Stddev	.0118	.0016	.00817	.0092	.0143
%RSD	.58650	.08294	.86928	.46256	.73869
#1	1.9967	1.9754	.93642	1.9781	1.9242
#2	2.0197	1.9723	.93379	1.9873	1.9306
#3	2.0037	1.9749	.94907	1.9690	1.9515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1789.3**	**3524.9**	**52149.**	**4678.7**
Stddev	12.7	23.9	336.	47.6
%RSD	.70728	.67848	.64369	1.0174
#1	1799.5	3540.2	51941.	4702.5
#2	1793.2	3537.3	52537.	4623.9
#3	1775.1	3497.4	51970.	4709.7

Sample Name: CCB10 Acquired: 11/24/2021 14:17:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00811**	**.00208**	**.02628**	**-.00013**	**.00009**
Stddev	.00026	.01571	.00137	.00186	.00021	.00007
%RSD	110.14	193.64	65.847	7.0720	161.26	73.692
#1	.00020	-.02190	.00184	.02800	.00011	.00003
#2	-.00001	-.01144	.00085	.02654	-.00026	.00016
#3	.00050	.00899	.00355	.02431	-.00026	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00014**	**.00015**	**.00008**	**.00111**	**-.00069**
Stddev	.00506	.00020	.00013	.00020	.00026	.00277
%RSD	128.52	144.83	87.940	271.13	22.986	401.38
#1	.00975	.00017	.00030	-.00002	.00137	-.00121
#2	.00050	.00031	.00005	.00031	.00086	.00231
#3	.00156	-.00008	.00010	-.00006	.00110	-.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06588**	**.00185**	**.01243**	**.00004**	**.00749**	**.06867**
Stddev	.04732	.00051	.04295	.00007	.00112	.00681
%RSD	71.826	27.759	345.45	166.53	14.982	9.9159
#1	.08936	.00205	.01406	.00012	.00851	.06659
#2	.09688	.00224	-.03131	.00003	.00767	.06314
#3	.01141	.00127	.05454	-.00002	.00629	.07627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB10 Acquired: 11/24/2021 14:17:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00022**	**.00539**	**.00052**	**-.00566**	**.00798**
Stddev	.00047	.00192	.00063	.00027	.01032	.00096
%RSD	99.010	873.24	11.645	52.582	182.43	12.005
#1	.00020	-.00220	.00588	.00033	.00467	.00904
#2	.00101	.00163	.00468	.00039	-.01598	.00772
#3	.00021	-.00009	.00561	.00083	-.00567	.00717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**.00023**	**.00035**	**.00475**	**.00020**
Stddev	.00623	.00017	.00080	.00137	.00022
%RSD	465.51	75.718	228.54	28.859	105.67
#1	.00284	.00036	.00064	.00614	-.00004
#2	-.00850	.00003	-.00056	.00341	.00035
#3	.00164	.00029	.00097	.00469	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2125.2**	**3761.0**	**55625.**	**4780.2**
Stddev	30.6	55.8	45.	34.4
%RSD	1.4381	1.4843	.08029	.71943
#1	2118.8	3738.5	55577.	4818.9
#2	2098.4	3720.0	55632.	4768.6
#3	2158.5	3824.6	55666.	4753.1

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:22:06 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.20102**	**.01075**	**.22052**	**.20429**	**.00411**
Stddev	.00018	.01722	.00151	.00091	.00046	.00008
%RSD	3.6202	8.5676	14.022	.41231	.22603	1.8675
#1	.00473	.22089	.01149	.22046	.20461	.00408
#2	.00491	.19052	.01174	.22146	.20376	.00404
#3	.00509	.19164	.00902	.21964	.20450	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0383**	**.00505**	**.04738**	**.00457**	**.02593**	**.09994**
Stddev	.0092	.00002	.00032	.00023	.00074	.00222
%RSD	.18188	.43265	.68309	5.0030	2.8511	2.2257
#1	5.0344	.00505	.04766	.00469	.02525	.09874
#2	5.0488	.00508	.04703	.00431	.02672	.10251
#3	5.0318	.00503	.04745	.00472	.02583	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7136**	**.04996**	**5.0240**	**.01518**	**.03989**	**4.7601**
Stddev	.0288	.00156	.0258	.00005	.00029	.0205
%RSD	.60995	3.1151	.51287	.35720	.73297	.43042
#1	4.7459	.04998	5.0534	.01522	.04021	4.7816
#2	4.6909	.04839	5.0058	.01512	.03965	4.7407
#3	4.7041	.05151	5.0126	.01521	.03980	4.7580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:22:06 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03929**	**.00957**	F **.01817**	**.00715**	**.61363**	**.10286**
Stddev	.00038	.00079	.00128	.00172	.00460	.00063
%RSD	.97513	8.2083	7.0712	24.050	.74981	.61155
#1	.03903	.00930	.01947	.00537	.61894	.10275
#2	.03973	.01045	.01813	.00880	.61099	.10353
#3	.03911	.00895	.01690	.00726	.61095	.10229
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.01000			
Range			30.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.04995**	**.01999**	**.05155**	**.01975**
Stddev	.01034	.00011	.00111	.00415	.00023
%RSD	19.880	.21049	5.5689	8.0472	1.1571
#1	.04104	.04987	.01965	.04677	.01963
#2	.05345	.04992	.01909	.05411	.02001
#3	.06158	.05007	.02123	.05379	.01960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2085.2**	**3713.3**	**55364.**	**4794.8**
Stddev	3.1	7.6	135.	14.5
%RSD	.15099	.20447	.24308	.30305
#1	2081.9	3712.8	55369.	4782.8
#2	2085.6	3706.0	55497.	4790.5
#3	2088.1	3721.1	55228.	4810.9

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:26:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.18507**	**.01088**	**.21454**	**.20441**	**.00412**
Stddev	.00039	.01474	.00246	.00063	.00090	.00003
%RSD	7.7766	7.9645	22.644	.29196	.44273	.70570
#1	.00457	.17572	.00840	.21382	.20485	.00416
#2	.00532	.20206	.01333	.21481	.20502	.00410
#3	.00510	.17743	.01093	.21497	.20337	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0205**	**.00515**	**.04744**	**.00526**	**.02569**	**.09790**
Stddev	.0129	.00011	.00029	.00020	.00023	.00086
%RSD	.25662	2.0442	.61784	3.8477	.87714	.88207
#1	5.0112	.00524	.04732	.00549	.02543	.09882
#2	5.0352	.00503	.04777	.00516	.02585	.09776
#3	5.0151	.00517	.04722	.00513	.02579	.09711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6855**	**.04886**	**4.9879**	**.01511**	**.03911**	**4.7792**
Stddev	.0104	.00086	.0290	.00008	.00024	.0150
%RSD	.22221	1.7696	.58211	.54671	.62253	.31292
#1	4.6807	.04844	4.9946	.01502	.03886	4.7716
#2	4.6974	.04985	4.9561	.01517	.03935	4.7964
#3	4.6783	.04828	5.0129	.01516	.03911	4.7696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:26:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03884**	**.00920**	F **.01946**	**.00837**	**.59006**	**.10338**
Stddev	.00058	.00070	.00150	.00123	.00264	.00030
%RSD	1.4887	7.5588	7.7033	14.666	.44808	.29218
#1	.03828	.00843	.01983	.00889	.58835	.10312
#2	.03944	.00939	.02074	.00925	.58872	.10331
#3	.03880	.00978	.01781	.00697	.59310	.10371
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.01000			
Range			30.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04573**	**.04973**	**.02015**	**.05355**	**.01985**
Stddev	.00784	.00017	.00067	.00582	.00007
%RSD	17.156	.34604	3.3460	10.874	.36315
#1	.05257	.04975	.02081	.04773	.01983
#2	.04744	.04955	.02018	.05355	.01979
#3	.03717	.04989	.01946	.05938	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2082.5**	**3717.5**	**55208.**	**4769.1**
Stddev	4.4	3.1	320.	23.2
%RSD	.21325	.08318	.58015	.48685
#1	2083.0	3719.8	55561.	4781.7
#2	2077.9	3718.8	55126.	4742.3
#3	2086.7	3714.0	54937.	4783.3

Sample Name: MB 180-379791/1-A Acquired: 11/24/2021 14:31:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00239**	**-.00011**	**.01016**	**.00010**	**.00005**
Stddev	.00054	.00556	.00142	.00048	.00025	.00002
%RSD	135.06	232.18	1253.1	4.7265	250.88	43.484
#1	.00068	.00332	.00077	.01051	.00036	.00004
#2	.00073	-.00779	-.00175	.01035	.00005	.00008
#3	-.00022	-.00271	.00064	.00961	-.00012	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**-.00001**	**.00001**	**.00011**	**.00046**	**-.00272**
Stddev	.00633	.00002	.00010	.00028	.00039	.00350
%RSD	91.693	154.87	805.84	243.17	86.044	128.72
#1	.00403	-.00000	-.00002	.00043	.00052	-.00149
#2	.00252	-.00004	-.00006	-.00009	.00004	-.00666
#3	.01417	.00000	.00012	-.00000	.00081	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00620**	**-.00017**	**-.00712**	**.00003**	**.00093**	**.02406**
Stddev	.02491	.00108	.02889	.00002	.00011	.00950
%RSD	402.08	636.37	405.66	74.394	12.359	39.467
#1	-.00106	.00107	-.02570	.00002	.00106	.01570
#2	-.01428	-.00071	.02616	.00005	.00084	.02209
#3	.03393	-.00087	-.02183	.00001	.00089	.03439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379791/1-A Acquired: 11/24/2021 14:31:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00076**	**.00364**	**-.00159**	**-.00658**	**.00598**
Stddev	.00030	.00151	.00109	.00178	.00592	.00043
%RSD	198.12	198.37	30.009	111.76	89.985	7.2514
#1	.00044	-.00100	.00487	-.00346	-.01237	.00552
#2	-.00016	.00085	.00279	.00009	-.00685	.00638
#3	.00018	-.00213	.00326	-.00141	-.00053	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00012**	**.00078**	**.00238**	**-.00031**
Stddev	.00526	.00012	.00109	.00616	.00012
%RSD	660.00	98.684	139.09	258.68	37.687
#1	.00134	-.00013	-.00010	-.00123	-.00022
#2	.00306	.00000	.00045	.00949	-.00044
#3	-.00679	-.00024	.00200	-.00112	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.0**	**3727.3**	**55545.**	**4785.9**
Stddev	4.0	10.5	414.	67.8
%RSD	.19014	.28110	.74526	1.4171
#1	2113.3	3736.5	55753.	4809.4
#2	2105.3	3715.9	55813.	4838.8
#3	2108.4	3729.5	55068.	4709.5

Sample Name: LCS 180-379791/2-A Acquired: 11/24/2021 14:36:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25478**	**4.5724**	**1.0828**	**1.3806**	**1.0457**	**.53145**
Stddev	.00049	.0085	.0062	.0054	.0018	.00168
%RSD	.19235	.18512	.57405	.39011	.17428	.31580
#1	.25424	4.5730	1.0885	1.3852	1.0453	.52964
#2	.25490	4.5805	1.0762	1.3747	1.0477	.53296
#3	.25520	4.5636	1.0839	1.3820	1.0441	.53175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.194**	**.53261**	**.51168**	**.50448**	**.52173**	**4.5388**
Stddev	.025	.00229	.00281	.00581	.00239	.0189
%RSD	.10685	.42988	.54870	1.1519	.45722	.41597
#1	23.189	.53448	.51490	.50019	.52147	4.5363
#2	23.221	.53006	.50979	.51109	.51948	4.5213
#3	23.173	.53330	.51034	.50215	.52423	4.5588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.124**	**.52769**	**22.620**	**.51125**	**.48838**	**22.676**
Stddev	.072	.00104	.091	.00183	.00235	.058
%RSD	.32345	.19772	.40014	.35742	.48024	.25375
#1	22.048	.52735	22.605	.50965	.48934	22.613
#2	22.135	.52887	22.538	.51324	.48571	22.690
#3	22.190	.52687	22.717	.51087	.49010	22.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379791/2-A Acquired: 11/24/2021 14:36:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51588**	**.51943**	**.24867**	**1.1096**	**1.0782**	**.98329**
Stddev	.00237	.00421	.00228	.0034	.0076	.00462
%RSD	.46009	.81092	.91861	.30376	.70802	.46963
#1	.51846	.52345	.25057	1.1133	1.0694	.98744
#2	.51379	.51505	.24931	1.1069	1.0815	.97832
#3	.51538	.51978	.24614	1.1085	1.0835	.98412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.51271**	**.52433**	**1.0032**	**.50917**	**.24948**
Stddev	.00357	.00193	.0038	.00371	.00121
%RSD	.69717	.36784	.37567	.72927	.48480
#1	.51129	.52358	1.0073	.51346	.25068
#2	.51678	.52652	.99987	.50687	.24827
#3	.51007	.52289	1.0024	.50720	.24948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1949.4**	**3635.7**	**54353.**	**4830.3**
Stddev	5.7	10.3	230.	17.6
%RSD	.29131	.28403	.42381	.36437
#1	1942.9	3629.4	54619.	4850.2
#2	1953.6	3647.6	54230.	4823.9
#3	1951.7	3630.0	54211.	4816.8

Sample Name: 180-130105-A-1-A Acquired: 11/24/2021 14:40:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.04506**	**.01187**	**.28028**	**.10025**	**-.00004**
Stddev	.00035	.02723	.00254	.00034	.00031	.00003
%RSD	385.23	60.435	21.361	.12081	.30502	91.790
#1	.00030	.03461	.00898	.27992	.10014	-.00000
#2	-.00018	.07597	.01370	.28033	.10002	-.00004
#3	-.00040	.02460	.01294	.28059	.10060	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**160.42**	**.00017**	**.00286**	**-.00046**	**-.00303**	**.70038**
Stddev	.24	.00010	.00013	.00051	.00103	.00759
%RSD	.15002	60.718	4.3745	111.74	34.010	1.0837
#1	160.20	.00021	.00276	-.00004	-.00328	.69484
#2	160.38	.00005	.00283	-.00031	-.00190	.69727
#3	160.68	.00025	.00300	-.00103	-.00391	.70903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2767**	**.06646**	**73.038**	**.12809**	**.01326**	F **1746.1**
Stddev	.1779	.00161	.229	.00039	.00028	14.1
%RSD	2.8339	2.4243	.31408	.30739	2.0763	.80536
#1	6.1115	.06462	73.007	.12852	.01357	1761.7
#2	6.2537	.06713	72.825	.12775	.01315	1734.4
#3	6.4650	.06762	73.281	.12802	.01304	1742.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-1-A Acquired: 11/24/2021 14:40:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**.00011**	**-.00127**	**.00122**	**4.0416**	**.00280**
Stddev	.00101	.00087	.00217	.00335	.0089	.00043
%RSD	30.008	773.08	171.36	275.24	.21887	15.477
#1	.00448	.00106	-.00374	.00252	4.0377	.00284
#2	.00255	-.00064	.00030	-.00258	4.0517	.00321
#3	.00303	-.00009	-.00036	.00372	4.0354	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **46.544**	**-.00059**	**.00243**	**.00389**	**.00292**
Stddev	.161	.00015	.00053	.00490	.00015
%RSD	.34490	24.765	21.760	125.87	5.0349
#1	46.576	-.00075	.00219	.00458	.00302
#2	46.370	-.00054	.00303	-.00132	.00299
#3	46.686	-.00047	.00206	.00841	.00275
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1495.9**	**3109.2**	**45571.**	**4523.1**
Stddev	.7	3.0	342.	22.7
%RSD	.04713	.09637	.74944	.50163
#1	1495.1	3108.2	45235.	4512.5
#2	1496.0	3106.8	45917.	4549.1
#3	1496.5	3112.5	45560.	4507.6

Sample Name: 180-130105-A-2-A Acquired: 11/24/2021 14:45:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.02044**	**.00591**	**.33886**	**.18277**	**.00009**
Stddev	.00015	.03126	.00038	.00070	.00044	.00022
%RSD	154.94	152.92	6.4086	.20558	.23869	234.44
#1	.00025	-.00784	.00618	.33806	.18327	-.00004
#2	.00010	.05400	.00607	.33935	.18248	-.00002
#3	-.00005	.01515	.00548	.33917	.18256	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**145.70**	**.00014**	**.00139**	**-.00059**	**-.00301**	**.10868**
Stddev	.77	.00016	.00055	.00056	.00084	.00163
%RSD	.53087	109.56	39.536	93.916	28.002	1.4984
#1	145.03	-.00004	.00167	-.00069	-.00204	.10893
#2	146.55	.00022	.00174	.00001	-.00351	.11017
#3	145.53	.00025	.00076	-.00110	-.00348	.10694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3563**	**.07617**	**119.17**	**.07106**	**.01164**	**418.48**
Stddev	.0041	.00067	.56	.00010	.00014	2.73
%RSD	.09364	.87721	.46658	.13647	1.1800	.65313
#1	4.3593	.07672	118.68	.07115	.01168	415.53
#2	4.3579	.07543	119.78	.07109	.01149	420.94
#3	4.3516	.07638	119.06	.07096	.01176	418.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-2-A Acquired: 11/24/2021 14:45:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00015**	**-.00101**	**-.00085**	**4.7984**	**.00287**
Stddev	.00043	.00307	.00294	.00098	.0085	.00073
%RSD	30.941	2041.0	290.52	116.06	.17745	25.534
#1	.00153	-.00218	-.00071	.00027	4.8011	.00221
#2	.00091	-.00100	-.00410	-.00121	4.7889	.00366
#3	.00173	.00363	.00177	-.00159	4.8052	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **42.942**	**-.00089**	**.00237**	**.00055**	**1.1689**
Stddev	.210	.00013	.00238	.00296	.0006
%RSD	.48955	14.668	100.47	536.84	.05603
#1	42.700	-.00085	.00108	.00394	1.1681
#2	43.082	-.00104	.00512	-.00073	1.1692
#3	43.043	-.00079	.00091	-.00155	1.1693
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1666.7**	**3292.4**	**49014.**	**4597.6**
Stddev	2.6	4.8	155.	46.2
%RSD	.15705	.14469	.31524	1.0055
#1	1669.4	3297.8	49030.	4636.5
#2	1666.4	3288.7	48852.	4546.5
#3	1664.2	3290.6	49159.	4609.7

Sample Name: 180-130105-A-3-E Acquired: 11/24/2021 14:49:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.05380**	**.00795**	**.08650**	**.54079**	**.00004**
Stddev	.00013	.02758	.00118	.00043	.00141	.00007
%RSD	33.725	51.274	14.886	.49981	.26060	164.68
#1	-.00030	.02563	.00700	.08661	.53968	-.00004
#2	-.00053	.08077	.00758	.08686	.54031	.00009
#3	-.00032	.05500	.00928	.08602	.54237	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**239.06**	**.00015**	**.00164**	**.00047**	**.00154**	**1.1831**
Stddev	.91	.00005	.00038	.00023	.00054	.0043
%RSD	.38223	32.666	22.933	48.503	34.945	.36320
#1	238.04	.00015	.00203	.00054	.00117	1.1865
#2	239.32	.00021	.00162	.00064	.00129	1.1845
#3	239.81	.00011	.00127	.00021	.00215	1.1783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.317**	**.04107**	**37.683**	**.30643**	**.00534**	F **830.99**
Stddev	.153	.00091	.103	.00085	.00014	10.54
%RSD	.39981	2.2220	.27319	.27631	2.6066	1.2680
#1	38.473	.04015	37.800	.30566	.00549	823.53
#2	38.167	.04197	37.608	.30629	.00531	826.39
#3	38.310	.04111	37.640	.30734	.00522	843.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-3-E Acquired: 11/24/2021 14:49:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**.00349**	**.00401**	**-.00179**	**7.1080**	**.00360**
Stddev	.00036	.00193	.00160	.00189	.0508	.00075
%RSD	18.007	55.240	39.903	105.40	.71450	20.747
#1	.00229	.00483	.00221	.00032	7.1279	.00289
#2	.00212	.00434	.00455	-.00331	7.0503	.00355
#3	.00160	.00128	.00528	-.00239	7.1459	.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4160**	**.00148**	**-.00079**	**.00284**	**.08702**
Stddev	.0296	.00018	.00120	.00160	.00034
%RSD	.39965	12.121	151.86	56.495	.39490
#1	7.4340	.00142	.00056	.00464	.08684
#2	7.3818	.00134	-.00122	.00156	.08742
#3	7.4322	.00168	-.00171	.00232	.08681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1586.6**	**3226.7**	**47767.**	**4591.1**
Stddev	6.1	8.2	181.	17.7
%RSD	.38435	.25361	.37882	.38621
#1	1580.7	3219.9	47912.	4597.1
#2	1586.1	3224.3	47826.	4605.1
#3	1592.9	3235.8	47564.	4571.2

Sample Name: 180-130105-A-4-A Acquired: 11/24/2021 14:54:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00804**	**.00526**	**.32874**	**.18109**	**-.00000**
Stddev	.00032	.00925	.00179	.00076	.00105	.00016
%RSD	173.45	115.10	34.059	.23111	.58149	12877.
#1	.00047	.00301	.00469	.32954	.18170	.00014
#2	-.00016	.00239	.00726	.32865	.17987	-.00018
#3	.00024	.01871	.00382	.32803	.18169	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.80**	**.00013**	**.00186**	**.00003**	**-.00331**	**.09374**
Stddev	.13	.00007	.00009	.00007	.00051	.00253
%RSD	.09215	55.172	4.5824	249.10	15.371	2.7024
#1	144.84	.00005	.00186	.00003	-.00385	.09121
#2	144.91	.00018	.00177	-.00004	-.00284	.09628
#3	144.65	.00017	.00194	.00010	-.00322	.09375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1397**	**.06935**	**117.90**	**.07026**	**.01064**	**423.92**
Stddev	.0303	.00064	.36	.00013	.00015	1.92
%RSD	.73258	.92517	.30864	.18111	1.4485	.45391
#1	4.1671	.06881	118.20	.07014	.01056	423.69
#2	4.1071	.06918	118.02	.07026	.01054	422.13
#3	4.1448	.07006	117.50	.07039	.01082	425.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-4-A Acquired: 11/24/2021 14:54:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00287**	**-.00015**	**-.00207**	**4.7338**	**.00240**
Stddev	.00078	.00079	.00105	.00497	.0166	.00090
%RSD	73.109	27.609	683.69	240.47	.35030	37.433
#1	.00080	.00375	-.00133	-.00479	4.7482	.00329
#2	.00195	.00264	.00067	.00367	4.7157	.00241
#3	.00046	.00221	.00020	-.00508	4.7375	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **42.473**	**-.00124**	**.00221**	**.00230**	**1.2217**
Stddev	.127	.00004	.00155	.00264	.0019
%RSD	.29884	2.8773	69.783	114.92	.15476
#1	42.547	-.00124	.00046	-.00034	1.2226
#2	42.545	-.00121	.00337	.00494	1.2230
#3	42.326	-.00128	.00281	.00230	1.2195
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1666.6**	**3294.1**	**49095.**	**4601.8**
Stddev	4.0	4.7	91.	12.6
%RSD	.24186	.14211	.18574	.27304
#1	1666.6	3297.3	49187.	4599.0
#2	1662.6	3288.7	49094.	4590.9
#3	1670.7	3296.3	49004.	4615.6

Sample Name: 180-130105-A-5-A Acquired: 11/24/2021 14:59:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01930**	**.00316**	**.07725**	**.04172**	**.00005**
Stddev	.00016	.02039	.00058	.00056	.00012	.00009
%RSD	64.776	105.63	18.352	.72036	.27820	180.80
#1	-.00006	.04021	.00252	.07749	.04182	-.00005
#2	-.00036	-.00051	.00331	.07661	.04159	.00012
#3	-.00031	.01820	.00366	.07764	.04173	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.113**	**.00025**	**.00053**	**.00001**	**.00152**	**.76833**
Stddev	.119	.00016	.00029	.00047	.00072	.00569
%RSD	.49166	64.182	54.556	5572.6	47.384	.74099
#1	24.240	.00044	.00030	-.00032	.00162	.76179
#2	24.095	.00014	.00085	.00055	.00219	.77220
#3	24.005	.00018	.00044	-.00020	.00076	.77099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.922**	**.01059**	**8.8354**	**.02944**	**.00343**	**10.993**
Stddev	.066	.00115	.0864	.00012	.00034	.031
%RSD	.41234	10.863	.97755	.42142	9.8656	.28297
#1	15.848	.01175	8.9150	.02935	.00380	10.957
#2	15.942	.00945	8.8475	.02958	.00335	11.012
#3	15.974	.01056	8.7436	.02940	.00314	11.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-5-A Acquired: 11/24/2021 14:59:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**-.00022**	**.00327**	**-.00180**	**1.9223**	**.00460**
Stddev	.00046	.00175	.00136	.00095	.0326	.00121
%RSD	41.389	780.96	41.673	52.544	1.6978	26.377
#1	.00063	.00179	.00171	-.00284	1.9589	.00365
#2	.00154	-.00119	.00422	-.00156	1.8963	.00597
#3	.00117	-.00128	.00389	-.00100	1.9117	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.8533**	**.00028**	**.00128**	**.00541**	**.01153**
Stddev	.0035	.00012	.00088	.00247	.00014
%RSD	.09066	41.525	68.193	45.544	1.2503
#1	3.8568	.00031	.00212	.00787	.01153
#2	3.8499	.00016	.00037	.00294	.01138
#3	3.8531	.00039	.00136	.00544	.01167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2009.7**	**3641.0**	**54315.**	**4842.9**
Stddev	6.2	6.4	56.	23.3
%RSD	.31023	.17690	.10280	.48176
#1	2015.5	3642.7	54269.	4816.1
#2	2010.5	3646.4	54299.	4854.0
#3	2003.1	3633.9	54377.	4858.6

Sample Name: 180-130105-A-6-A Acquired: 11/24/2021 15:04:02 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00205**	**.00592**	**.05035**	**.07781**	**.00020**
Stddev	.00061	.01136	.00334	.00070	.00026	.00005
%RSD	214.36	553.49	56.417	1.3848	.33856	27.394
#1	.00024	.00592	.00517	.05010	.07766	.00025
#2	-.00096	-.01073	.00302	.05114	.07811	.00022
#3	-.00013	.01097	.00957	.04981	.07766	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**230.89**	**.00027**	**.00260**	**-.00094**	**-.00098**	**1.0009**
Stddev	.53	.00005	.00023	.00024	.00079	.0040
%RSD	.22954	18.670	8.9594	24.957	80.744	.40440
#1	230.28	.00029	.00259	-.00082	-.00011	1.0047
#2	231.19	.00022	.00236	-.00122	-.00118	1.0016
#3	231.21	.00031	.00283	-.00079	-.00165	.99663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.354**	**.26611**	**97.663**	**.26375**	**.02063**	F **1551.8**
Stddev	.090	.00272	.201	.00071	.00025	18.0
%RSD	.34172	1.0230	.20566	.27035	1.2031	1.1597
#1	26.321	.26317	97.684	.26407	.02089	1553.1
#2	26.456	.26854	97.853	.26293	.02039	1569.1
#3	26.285	.26663	97.453	.26425	.02060	1533.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-6-A Acquired: 11/24/2021 15:04:02 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.00830**	**.00318**	**.00037**	**6.8115**	**.00179**
Stddev	.00072	.00102	.00213	.00249	.0463	.00004
%RSD	30.531	12.348	66.874	677.43	.67992	2.4913
#1	.00169	.00842	.00434	-.00189	6.8571	.00178
#2	.00228	.00721	.00073	-.00005	6.8130	.00184
#3	.00313	.00925	.00447	.00304	6.7645	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4994**	**-.00043**	**.00058**	**.00224**	**.00694**
Stddev	.0058	.00011	.00205	.00161	.00030
%RSD	.07689	25.204	356.48	72.169	4.3633
#1	7.4966	-.00037	.00226	.00400	.00710
#2	7.5061	-.00055	-.00171	.00186	.00712
#3	7.4957	-.00036	.00118	.00084	.00659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1489.5**	**3091.9**	**45660.**	**4498.0**
Stddev	4.2	11.5	123.	23.7
%RSD	.27941	.37050	.26947	.52648
#1	1488.6	3090.5	45644.	4521.5
#2	1485.8	3081.2	45790.	4498.2
#3	1494.0	3104.0	45546.	4474.1

Sample Name: CCV 4546440 Acquired: 11/24/2021 15:08:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99304**	**24.281**	**.50156**	**2.0411**	**2.0005**	**2.0156**
Stddev	.00121	.163	.00320	.0010	.0100	.0056
%RSD	.12142	.67046	.63705	.05101	.49760	.27659
#1	.99402	24.426	.50086	2.0417	2.0104	2.0219
#2	.99169	24.313	.50505	2.0417	2.0005	2.0114
#3	.99340	24.105	.49878	2.0399	1.9905	2.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.286**	**.50318**	**1.9820**	**1.9064**	**1.9668**	**24.236**
Stddev	.450	.00117	.0041	.0021	.0048	.057
%RSD	.91228	.23218	.20637	.10823	.24376	.23541
#1	49.800	.50428	1.9835	1.9057	1.9716	24.301
#2	49.095	.50330	1.9851	1.9049	1.9620	24.216
#3	48.964	.50195	1.9773	1.9088	1.9668	24.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.86**	**2.0359**	**48.085**	**1.9160**	**1.8929**	**116.50**
Stddev	.26	.0149	.303	.0039	.0022	.16
%RSD	.21771	.73134	.63081	.20359	.11710	.13815
#1	118.10	2.0512	48.432	1.9200	1.8948	116.56
#2	117.88	2.0350	47.950	1.9122	1.8934	116.63
#3	117.59	2.0215	47.873	1.9157	1.8905	116.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 15:08:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0101**	**.50918**	**.50258**	**.51099**	**1.9893**	**1.8354**
Stddev	.0042	.00379	.00179	.00104	.0326	.0053
%RSD	.21057	.74489	.35567	.20334	1.6392	.29028
#1	2.0118	.51337	.50357	.51158	2.0151	1.8395
#2	2.0132	.50817	.50052	.51160	2.0001	1.8372
#3	2.0052	.50599	.50365	.50979	1.9527	1.8294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9987**	**1.9761**	**.93671**	**1.9815**	**1.9154**
Stddev	.0143	.0016	.00165	.0166	.0049
%RSD	.71472	.08188	.17576	.83706	.25464
#1	1.9962	1.9779	.93848	2.0006	1.9198
#2	2.0140	1.9749	.93523	1.9731	1.9163
#3	1.9858	1.9755	.93642	1.9708	1.9102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1795.5**	**3526.8**	**52353.**	**4689.0**
Stddev	3.9	7.0	197.	53.8
%RSD	.21448	.19913	.37714	1.1472
#1	1796.1	3522.4	52213.	4628.0
#2	1791.5	3523.1	52579.	4709.6
#3	1799.1	3534.9	52268.	4729.5

Sample Name: CCB11 Acquired: 11/24/2021 15:13:11 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00726**	**.00044**	**.00431**	**-.00015**	**.00005**
Stddev	.00037	.00525	.00217	.00056	.00023	.00006
%RSD	574.54	72.249	491.79	12.945	158.25	130.86
#1	-.00031	-.00697	.00167	.00494	-.00007	.00006
#2	-.00025	-.00217	.00172	.00415	-.00040	.00011
#3	.00036	-.01265	-.00207	.00385	.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00011**	**.00012**	**-.00020**	**.00112**	**-.00331**
Stddev	.00203	.00005	.00006	.00026	.00058	.00346
%RSD	80.527	46.266	46.241	126.74	52.046	104.51
#1	.00077	.00008	.00006	-.00047	.00060	-.00479
#2	.00474	.00009	.00015	.00004	.00175	-.00578
#3	.00205	.00017	.00017	-.00018	.00101	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19265**	**.00451**	**.00031**	**.00003**	**.00770**	**.34574**
Stddev	.03203	.00087	.01754	.00004	.00113	.00711
%RSD	16.624	19.186	5746.2	117.01	14.718	2.0570
#1	.22711	.00447	-.00676	-.00001	.00884	.35024
#2	.16380	.00539	.02028	.00006	.00770	.34944
#3	.18703	.00367	-.01260	.00005	.00657	.33754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB11 Acquired: 11/24/2021 15:13:11 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00037**	**.00177**	**-.00089**	**-.00622**	**.00505**
Stddev	.00016	.00085	.00269	.00105	.00523	.00028
%RSD	823.04	228.41	152.12	117.62	84.081	5.5739
#1	.00005	.00048	.00319	.00014	-.00804	.00524
#2	-.00015	.00116	-.00133	-.00196	-.00032	.00519
#3	.00016	-.00053	.00344	-.00086	-.01030	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00111**	**.00022**	**.00034**	**-.00163**	**.00001**
Stddev	.00452	.00004	.00086	.00482	.00014
%RSD	406.20	19.086	256.88	294.98	1622.7
#1	.00381	.00027	.00120	-.00604	.00011
#2	-.00509	.00019	-.00052	.00351	.00007
#3	-.00206	.00021	.00033	-.00237	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2096.7**	**3699.5**	**55454.**	**4753.0**
Stddev	6.4	11.8	167.	20.8
%RSD	.30595	.31822	.30072	.43797
#1	2094.8	3697.5	55631.	4776.5
#2	2091.4	3688.8	55300.	4745.6
#3	2103.8	3712.1	55432.	4736.9

Sample Name: 180-130105-A-7-A Acquired: 11/24/2021 15:17:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.14122**	**.00302**	**.34497**	**.08385**	**.00019**
Stddev	.00029	.01274	.00319	.00060	.00016	.00015
%RSD	240.77	9.0235	105.60	.17346	.18712	80.212
#1	-.00031	.12702	-.00062	.34469	.08401	.00036
#2	.00021	.14500	.00435	.34566	.08385	.00006
#3	-.00026	.15165	.00532	.34457	.08369	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.590**	**.00015**	**.00040**	**-.00013**	**-.00109**	**.36015**
Stddev	.140	.00006	.00016	.00017	.00082	.00158
%RSD	.24231	39.484	39.209	130.46	74.616	.43796
#1	57.743	.00009	.00038	-.00028	-.00029	.36158
#2	57.470	.00020	.00057	-.00018	-.00107	.36041
#3	57.557	.00016	.00026	.00006	-.00192	.35846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4334**	**.03942**	**47.600**	**.04537**	**.00863**	**71.937**
Stddev	.0484	.00135	.178	.00019	.00013	.329
%RSD	1.0922	3.4204	.37365	.40818	1.5239	.45744
#1	4.4227	.03902	47.805	.04531	.00877	72.165
#2	4.4862	.03832	47.504	.04522	.00851	72.087
#3	4.3912	.04092	47.490	.04558	.00860	71.560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-7-A Acquired: 11/24/2021 15:17:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00103**	**.00129**	**-.00377**	**5.8287**	**.00224**
Stddev	.00047	.00110	.00174	.00107	.0394	.00061
%RSD	29.897	107.32	135.17	28.312	.67564	27.337
#1	.00193	.00131	-.00028	-.00371	5.8244	.00259
#2	.00105	.00196	.00316	-.00273	5.8700	.00153
#3	.00178	-.00019	.00097	-.00486	5.7916	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**21.386**	**.00193**	**.00188**	**.00263**	**.01681**
Stddev	.103	.00030	.00155	.00128	.00013
%RSD	.48270	15.431	82.740	48.820	.78314
#1	21.503	.00227	.00366	.00263	.01671
#2	21.347	.00171	.00111	.00135	.01696
#3	21.307	.00180	.00085	.00392	.01676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1879.6**	**3523.0**	**52645.**	**4720.8**
Stddev	2.1	2.0	152.	18.3
%RSD	.11368	.05691	.28879	.38670
#1	1879.3	3523.9	52604.	4701.9
#2	1881.8	3524.4	52813.	4738.3
#3	1877.6	3520.7	52517.	4722.1

Sample Name: 180-130105-A-8-A Acquired: 11/24/2021 15:22:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01228**	**.00462**	**.13097**	**1.0901**	**.00011**
Stddev	.00055	.00610	.00214	.00087	.0127	.00008
%RSD	187.42	49.652	46.476	.66522	1.1695	74.132
#1	.00083	.00524	.00610	.13108	1.0814	.00020
#2	-.00027	.01590	.00216	.13178	1.1047	.00004
#3	.00033	.01569	.00559	.13005	1.0842	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**507.23**	**.00065**	**.00484**	**.00040**	**-.00231**	**.12497**
Stddev	8.81	.00029	.00021	.00115	.00064	.00442
%RSD	1.7377	44.955	4.3932	287.47	27.715	3.5373
#1	506.21	.00083	.00489	.00168	-.00297	.12505
#2	516.50	.00080	.00460	.00006	-.00227	.12935
#3	498.96	.00031	.00502	-.00054	-.00169	.12051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.668**	**.28515**	F **638.97**	**.63952**	**.00475**	F **1237.8**
Stddev	.180	.00297	7.32	.00324	.00042	12.4
%RSD	1.4209	1.0413	1.1454	.50691	8.8791	1.0001
#1	12.535	.28222	635.89	.64222	.00430	1244.0
#2	12.873	.28816	647.32	.64041	.00514	1245.9
#3	12.595	.28508	633.69	.63592	.00481	1223.6
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 180-130105-A-8-A Acquired: 11/24/2021 15:22:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.00585**	**-.00485**	**.00286**	**6.6163**	**.00070**
Stddev	.00055	.00356	.00174	.00332	.0700	.00089
%RSD	4.8999	60.838	35.920	116.12	1.0587	128.11
#1	.01070	.00229	-.00337	.00051	6.6199	.00080
#2	.01180	.00587	-.00441	.00141	6.6844	-.00024
#3	.01126	.00941	-.00677	.00666	6.5445	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **134.33**	**-.00353**	**-.00110**	**.00019**	**.00632**
Stddev	1.62	.00018	.00125	.00217	.00033
%RSD	1.2024	5.1184	113.95	1143.4	5.2400
#1	133.34	-.00372	.00028	-.00103	.00604
#2	136.19	-.00336	-.00217	-.00109	.00668
#3	133.45	-.00350	-.00140	.00270	.00624
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1407.1**	**2915.5**	**43930.**	**4350.6**
Stddev	2.8	7.9	160.	48.0
%RSD	.19806	.27250	.36416	1.1035
#1	1408.0	2911.7	43761.	4356.1
#2	1404.0	2910.1	43948.	4300.1
#3	1409.3	2924.6	44079.	4395.7

Sample Name: 180-130105-A-9-A Acquired: 11/24/2021 15:27:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.01151**	**.00136**	**.43247**	**.06929**	**.00007**
Stddev	.00046	.01031	.00141	.00148	.00085	.00015
%RSD	92.890	89.596	103.86	.34138	1.2208	220.14
#1	.00059	-.02183	.00100	.43313	.06854	-.00010
#2	-.00001	-.01149	.00016	.43350	.06911	.00017
#3	.00089	-.00121	.00291	.43078	.07021	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.60**	**.00011**	**.00076**	**-.00001**	**-.00265**	**.08791**
Stddev	1.38	.00009	.00031	.00080	.00054	.00250
%RSD	1.2170	80.329	41.002	11634.	20.342	2.8476
#1	112.77	.00021	.00110	-.00069	-.00314	.08507
#2	112.83	.00003	.00049	-.00021	-.00274	.08982
#3	115.20	.00010	.00069	.00088	-.00207	.08883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6753**	**.02588**	**67.318**	**.02112**	**.02417**	**154.68**
Stddev	.0095	.00157	.731	.00008	.00017	1.19
%RSD	.35562	6.0594	1.0854	.39691	.70075	.76763
#1	2.6643	.02470	66.962	.02121	.02436	153.69
#2	2.6809	.02766	66.834	.02110	.02403	154.36
#3	2.6808	.02527	68.159	.02105	.02413	156.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-9-A Acquired: 11/24/2021 15:27:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00145**	**-.00190**	**-.00132**	**3.7429**	**.00190**
Stddev	.00063	.00220	.00346	.00186	.0335	.00072
%RSD	47.965	152.40	182.34	140.86	.89518	38.135
#1	.00063	.00090	-.00351	.00081	3.7204	.00198
#2	.00187	-.00044	-.00426	-.00259	3.7268	.00258
#3	.00144	.00387	.00208	-.00217	3.7814	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **50.150**	**-.00084**	**.00260**	**.00260**	**.01981**
Stddev	.383	.00006	.00168	.00072	.00015
%RSD	.76448	6.7023	64.567	27.737	.73411
#1	49.838	-.00078	.00434	.00199	.01966
#2	50.035	-.00088	.00099	.00242	.01995
#3	50.578	-.00087	.00247	.00340	.01982
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1781.0**	**3402.8**	**50937.**	**4645.0**
Stddev	2.8	6.7	286.	33.8
%RSD	.15650	.19642	.56124	.72722
#1	1778.2	3400.1	50608.	4667.0
#2	1783.8	3398.0	51073.	4661.9
#3	1781.1	3410.5	51130.	4606.1

Sample Name: 180-130105-A-10-A Acquired: 11/24/2021 15:32:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.25757**	**.00117**	**.00866**	**.02194**	**-.00003**
Stddev	.00035	.01154	.00225	.00009	.00031	.00005
%RSD	16611.	4.4792	192.02	1.0016	1.4151	175.54
#1	-.00030	.27088	-.00090	.00870	.02229	-.00003
#2	.00038	.25043	.00357	.00872	.02183	-.00007
#3	-.00009	.25139	.00085	.00856	.02171	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.560**	**.00035**	**.00093**	**.00071**	**.00202**	**5.6348**
Stddev	.044	.00009	.00036	.00029	.00078	.0204
%RSD	.14953	24.674	38.555	40.542	38.495	.36117
#1	29.608	.00029	.00129	.00045	.00225	5.6380
#2	29.549	.00030	.00093	.00067	.00115	5.6131
#3	29.522	.00044	.00057	.00102	.00266	5.6534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**124.46**	**.00482**	**2.9394**	**.24038**	**.00146**	**2.0670**
Stddev	.58	.00076	.0094	.00128	.00027	.0014
%RSD	.46461	15.655	.31975	.53401	18.502	.06814
#1	124.91	.00532	2.9310	.24138	.00154	2.0674
#2	123.81	.00519	2.9377	.24083	.00168	2.0655
#3	124.66	.00395	2.9496	.23893	.00116	2.0682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10-A Acquired: 11/24/2021 15:32:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**.00017**	**.00250**	**-.00264**	**.95688**	**.00178**
Stddev	.00028	.00083	.00130	.00198	.01441	.00074
%RSD	12.420	479.30	51.976	74.889	1.5059	41.737
#1	.00260	.00111	.00113	-.00488	.97277	.00119
#2	.00210	-.00048	.00267	-.00186	.95321	.00261
#3	.00212	-.00011	.00371	-.00117	.94466	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12634**	**.00596**	**.00146**	**.00419**	**.02063**
Stddev	.00737	.00011	.00075	.00233	.00008
%RSD	5.8350	1.9280	51.564	55.471	.39518
#1	.13420	.00597	.00231	.00637	.02072
#2	.12524	.00607	.00120	.00174	.02060
#3	.11958	.00584	.00087	.00447	.02057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.0**	**3576.4**	**53488.**	**4813.4**
Stddev	5.1	8.3	250.	16.1
%RSD	.26321	.23224	.46722	.33478
#1	1928.2	3574.0	53235.	4811.6
#2	1927.7	3585.7	53735.	4798.3
#3	1919.2	3569.6	53494.	4830.4

Sample Name: 180-130105-A10A SD@5 Acquired: 11/24/2021 15:36:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.05265**	**.00217**	**.00324**	**.00416**	**.00011**
Stddev	.00037	.01249	.00174	.00028	.00026	.00007
%RSD	148.56	23.721	79.970	8.5008	6.3541	63.756
#1	.00066	.04859	.00391	.00297	.00397	.00011
#2	.00015	.06667	.00219	.00352	.00405	.00003
#3	-.00006	.04270	.00043	.00323	.00446	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8754**	**.00022**	**.00018**	**.00059**	**.00150**	**1.1168**
Stddev	.0419	.00005	.00026	.00045	.00066	.0112
%RSD	.71333	22.934	143.94	75.850	43.771	.99795
#1	5.8315	.00018	.00047	.00062	.00109	1.1039
#2	5.8798	.00020	.00003	.00102	.00226	1.1236
#3	5.9149	.00027	.00003	.00013	.00116	1.1228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.568**	**.00272**	**.59577**	**.04736**	**.00027**	**.58384**
Stddev	.049	.00090	.04707	.00046	.00007	.00799
%RSD	.20025	32.871	7.9005	.96785	24.655	1.3687
#1	24.516	.00179	.61346	.04770	.00021	.57973
#2	24.613	.00358	.54242	.04754	.00025	.57874
#3	24.574	.00280	.63143	.04684	.00034	.59305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A10A SD@5 Acquired: 11/24/2021 15:36:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00037**	**.00275**	**-.00430**	**.18581**	**.00321**
Stddev	.00030	.00094	.00118	.00236	.00944	.00008
%RSD	68.515	252.52	42.834	54.851	5.0803	2.5115
#1	.00048	-.00055	.00350	-.00171	.18672	.00327
#2	.00071	-.00121	.00139	-.00489	.19476	.00312
#3	.00012	.00064	.00336	-.00632	.17594	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02679**	**.00131**	**.00025**	**-.00035**	**.00404**
Stddev	.00374	.00026	.00089	.00168	.00009
%RSD	13.973	19.671	358.02	475.53	2.2054
#1	.03094	.00158	-.00059	.00152	.00395
#2	.02366	.00128	.00118	-.00084	.00404
#3	.02578	.00107	.00016	-.00174	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2052.4**	**3659.7**	**54712.**	**4730.4**
Stddev	16.7	26.4	513.	26.2
%RSD	.81274	.72188	.93749	.55298
#1	2062.3	3671.8	54612.	4755.9
#2	2061.8	3677.9	54256.	4731.8
#3	2033.2	3629.4	55267.	4703.6

Sample Name: 180-130105-A-10-B MS Acquired: 11/24/2021 15:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25188**	**5.4562**	**1.0630**	**1.3634**	**1.0224**	**.51001**
Stddev	.00316	.0612	.0092	.0130	.0038	.00085
%RSD	1.2558	1.1211	.86740	.95300	.37461	.16709
#1	.25553	5.4384	1.0733	1.3782	1.0207	.50971
#2	.25014	5.5243	1.0600	1.3579	1.0268	.51097
#3	.24997	5.4059	1.0556	1.3540	1.0198	.50934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.394**	**.51910**	**.50505**	**.48452**	**.50893**	**12.803**
Stddev	.175	.00605	.00628	.00432	.00507	.035
%RSD	.32699	1.1656	1.2442	.89067	.99541	.27541
#1	53.594	.52566	.51182	.48949	.51420	12.801
#2	53.314	.51791	.50391	.48178	.50847	12.840
#3	53.273	.51373	.49941	.48228	.50410	12.769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**146.47**	**.51725**	**27.280**	**.72932**	**.47626**	**26.683**
Stddev	.44	.00197	.055	.00672	.00392	.064
%RSD	.30314	.38176	.20070	.92114	.82308	.24008
#1	146.49	.51858	27.255	.73693	.48063	26.712
#2	146.90	.51820	27.343	.72422	.47511	26.727
#3	146.01	.51498	27.242	.72682	.47305	26.609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10-B MS Acquired: 11/24/2021 15:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50874**	**.50586**	**.24651**	**1.0733**	**2.3236**	**.94162**
Stddev	.00596	.00541	.00194	.0080	.0098	.01037
%RSD	1.1712	1.0699	.78782	.74348	.42392	1.1014
#1	.51542	.51180	.24651	1.0821	2.3126	.95144
#2	.50686	.50456	.24457	1.0666	2.3266	.94265
#3	.50395	.50121	.24845	1.0711	2.3315	.93078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61267**	**.51427**	**.95979**	**.50211**	**.26859**
Stddev	.01039	.00288	.00892	.00728	.00331
%RSD	1.6964	.56034	.92989	1.4501	1.2318
#1	.62059	.51747	.96907	.49655	.27226
#2	.60090	.51188	.95902	.51035	.26767
#3	.61653	.51344	.95127	.49942	.26584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1842.2**	**3524.6**	**52815.**	**4784.5**
Stddev	17.2	31.0	476.	31.4
%RSD	.93510	.87940	.90194	.65524
#1	1823.0	3489.5	52324.	4751.0
#2	1847.5	3535.9	52847.	4813.2
#3	1856.2	3548.4	53275.	4789.2

Sample Name: 180-130105-A-10C MSD Acquired: 11/24/2021 15:45:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24854**	**5.0443**	**1.0533**	**1.3482**	**1.0115**	**.50586**
Stddev	.00128	.0583	.0014	.0009	.0039	.00155
%RSD	.51532	1.1548	.13374	.06959	.38451	.30689
#1	.25002	4.9945	1.0525	1.3476	1.0096	.50512
#2	.24785	5.1083	1.0524	1.3477	1.0160	.50765
#3	.24775	5.0301	1.0549	1.3493	1.0090	.50482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.593**	**.51218**	**.49562**	**.47945**	**.50180**	**6.7478**
Stddev	.140	.00070	.00033	.00060	.00202	.0373
%RSD	.26050	.13718	.06717	.12603	.40213	.55304
#1	53.470	.51169	.49575	.48015	.50411	6.7093
#2	53.745	.51186	.49524	.47913	.50090	6.7839
#3	53.565	.51298	.49586	.47907	.50039	6.7501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**148.96**	**.51077**	**27.157**	**.68625**	**.46995**	**26.610**
Stddev	.91	.00291	.054	.00249	.00138	.156
%RSD	.60797	.56902	.20064	.36335	.29425	.58615
#1	148.60	.50746	27.103	.68913	.46836	26.589
#2	149.99	.51292	27.212	.68469	.47079	26.776
#3	148.29	.51193	27.155	.68495	.47071	26.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10C MSD Acquired: 11/24/2021 15:45:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49814**	**.49745**	**.24341**	**1.0722**	**1.7308**	**.92640**
Stddev	.00113	.00159	.00173	.0049	.0269	.00283
%RSD	.22636	.31983	.71059	.46045	1.5562	.30525
#1	.49785	.49804	.24439	1.0695	1.7369	.92398
#2	.49718	.49565	.24141	1.0691	1.7542	.92951
#3	.49938	.49867	.24443	1.0779	1.7014	.92571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61348**	**.50193**	**.94473**	**.48767**	**.25519**
Stddev	.01126	.00124	.00237	.00780	.00071
%RSD	1.8362	.24709	.25071	1.6003	.27838
#1	.61669	.50336	.94580	.47949	.25498
#2	.62279	.50111	.94638	.48848	.25461
#3	.60096	.50133	.94201	.49503	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1845.0**	**3513.9**	**52692.**	**4723.0**
Stddev	2.2	7.6	23.	14.2
%RSD	.11865	.21677	.04386	.30103
#1	1847.2	3521.3	52677.	4735.3
#2	1845.1	3514.4	52719.	4726.2
#3	1842.8	3506.1	52681.	4707.4

Sample Name: 180-130105-A-11-A Acquired: 11/24/2021 15:50:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00421**	**.00488**	**.41636**	**.03398**	**.00002**
Stddev	.00023	.01414	.00109	.00193	.00022	.00012
%RSD	464.99	335.60	22.402	.46288	.63378	666.36
#1	.00021	-.00726	.00524	.41420	.03387	-.00012
#2	-.00022	.01120	.00574	.41789	.03384	.00009
#3	-.00015	-.01657	.00365	.41700	.03423	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.241**	**.00003**	**.00053**	**.00001**	**-.00187**	**.01064**
Stddev	.176	.00011	.00032	.00023	.00077	.00365
%RSD	.25455	349.97	61.108	2488.6	41.102	34.249
#1	69.169	.00015	.00090	-.00021	-.00241	.01485
#2	69.112	-.00007	.00036	.00025	-.00099	.00831
#3	69.442	.00001	.00032	-.00002	-.00221	.00877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9346**	**.01513**	**42.265**	**.00082**	**.02902**	**62.601**
Stddev	.0018	.00079	.260	.00002	.00019	.057
%RSD	.09075	5.2019	.61534	2.8392	.65296	.09079
#1	1.9359	.01603	42.095	.00083	.02923	62.625
#2	1.9353	.01457	42.135	.00080	.02899	62.536
#3	1.9326	.01478	42.564	.00084	.02885	62.641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-11-A Acquired: 11/24/2021 15:50:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00178**	**.00136**	**.00257**	**3.9120**	**.00137**
Stddev	.00031	.00092	.00234	.00248	.0304	.00051
%RSD	91.036	51.760	171.65	96.552	.77595	37.476
#1	.00041	.00234	-.00055	-.00024	3.8855	.00136
#2	.00061	.00229	.00397	.00350	3.9053	.00086
#3	.00000	.00072	.00067	.00446	3.9451	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.393**	**-.00062**	**.00298**	**.00165**	**.00052**
Stddev	.098	.00015	.00036	.00367	.00018
%RSD	.38524	23.767	12.156	221.97	35.282
#1	25.294	-.00078	.00315	.00555	.00062
#2	25.396	-.00053	.00323	-.00173	.00064
#3	25.490	-.00053	.00257	.00114	.00031
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1887.9**	**3508.7**	**52622.**	**4719.1**
Stddev	5.3	1.8	29.	19.5
%RSD	.28099	.05018	.05512	.41280
#1	1886.3	3507.6	52589.	4720.5
#2	1893.8	3510.8	52636.	4737.9
#3	1883.5	3507.8	52642.	4699.0

Sample Name: 180-130108-C-2-A Acquired: 11/24/2021 15:54:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**1.5871**	**.01062**	**.11294**	**.06520**	**.00024**
Stddev	.00028	.0356	.00121	.00048	.00030	.00003
%RSD	78.448	2.2456	11.441	.42937	.46350	12.324
#1	-.00020	1.6282	.01131	.11346	.06540	.00021
#2	-.00068	1.5637	.01133	.11250	.06485	.00026
#3	-.00019	1.5696	.00921	.11288	.06535	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.495**	**.00041**	**.00358**	**.01169**	**.03651**	**4.7731**
Stddev	.191	.00015	.00002	.00033	.00054	.0038
%RSD	.23784	36.199	.63895	2.8011	1.4901	.07992
#1	80.274	.00058	.00360	.01141	.03657	4.7692
#2	80.597	.00030	.00356	.01161	.03594	4.7769
#3	80.614	.00036	.00357	.01205	.03703	4.7732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.667**	**.03254**	**8.2142**	**.09327**	**.00983**	F **1244.6**
Stddev	.092	.00142	.0259	.00017	.00014	6.8
%RSD	.58865	4.3563	.31487	.18141	1.4159	.54703
#1	15.597	.03215	8.2088	.09320	.00993	1242.9
#2	15.632	.03135	8.1915	.09314	.00967	1238.8
#3	15.771	.03411	8.2424	.09346	.00989	1252.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-2-A Acquired: 11/24/2021 15:54:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00770**	**.01947**	**.00857**	**.00251**	**16.607**	**.00360**
Stddev	.00072	.00103	.00219	.00380	.039	.00076
%RSD	9.4073	5.2698	25.551	151.66	.23204	21.084
#1	.00852	.01828	.01102	.00317	16.608	.00361
#2	.00719	.02005	.00787	.00594	16.567	.00284
#3	.00738	.02007	.00681	-.00158	16.645	.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47757**	**.03493**	**.00134**	**.01161**	**.67604**
Stddev	.00611	.00105	.00133	.00158	.00514
%RSD	1.2802	3.0108	99.148	13.622	.76037
#1	.48455	.03412	.00130	.01286	.68193
#2	.47498	.03456	.00268	.00983	.67372
#3	.47318	.03612	.00003	.01212	.67247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1580.8**	**3261.9**	**47966.**	**4638.1**
Stddev	8.8	20.7	46.	10.9
%RSD	.55538	.63524	.09647	.23442
#1	1570.7	3238.7	47913.	4649.3
#2	1586.5	3268.4	47986.	4627.6
#3	1585.2	3278.6	48000.	4637.2

Sample Name: 180-130108-C-3-A Acquired: 11/24/2021 15:59:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.10112**	**.00433**	**.02342**	**.23181**	**.00012**
Stddev	.00037	.00424	.00442	.00061	.00203	.00006
%RSD	132.62	4.1933	102.10	2.5856	.87609	49.416
#1	.00005	.10078	.00858	.02396	.23341	.00014
#2	.00070	.10553	-.00025	.02276	.22952	.00015
#3	.00008	.09707	.00467	.02354	.23248	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**111.67**	**.00051**	**.00416**	**.00062**	**.01091**	**.28085**
Stddev	.78	.00006	.00042	.00038	.00094	.00104
%RSD	.70128	12.267	10.134	60.232	8.6257	.37059
#1	112.15	.00058	.00457	.00019	.01155	.28120
#2	110.76	.00046	.00417	.00087	.01135	.27968
#3	112.08	.00050	.00373	.00081	.00983	.28167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.274**	**.30268**	**1.8985**	**.08004**	**.00114**	F **3796.4**
Stddev	.158	.00187	.0024	.00041	.00012	98.4
%RSD	.47459	.61866	.12455	.51391	10.094	2.5915
#1	33.455	.30384	1.8961	.08024	.00128	3910.0
#2	33.165	.30052	1.8984	.08032	.00109	3738.1
#3	33.202	.30368	1.9008	.07957	.00106	3741.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3-A Acquired: 11/24/2021 15:59:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.00128**	**.00520**	**-.00133**	**.35754**	**.00173**
Stddev	.00108	.00108	.00213	.00476	.01507	.00040
%RSD	30.301	84.460	40.880	358.81	4.2149	22.869
#1	.00433	.00161	.00715	-.00251	.37416	.00146
#2	.00234	.00007	.00553	.00391	.34476	.00219
#3	.00408	.00216	.00293	-.00538	.35371	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.83926**	**.00226**	**-.00169**	**.00631**	**.10263**
Stddev	.01020	.00012	.00093	.00599	.00084
%RSD	1.2158	5.2627	54.874	94.842	.81872
#1	.84057	.00228	-.00204	.00835	.10333
#2	.82846	.00213	-.00064	-.00043	.10169
#3	.84874	.00236	-.00240	.01102	.10286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1178.2**	**2688.5**	**38112.**	**4103.3**
Stddev	1.6	6.0	186.	32.7
%RSD	.13886	.22158	.48784	.79652
#1	1177.6	2688.3	38001.	4073.4
#2	1177.0	2694.5	38008.	4138.2
#3	1180.1	2682.6	38327.	4098.3

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:04:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0207**	**24.672**	**.50430**	**2.0759**	**2.0258**	**2.0339**
Stddev	.0102	.047	.00257	.0062	.0051	.0052
%RSD	1.0010	.18877	.50920	.29870	.24975	.25687
#1	1.0308	24.726	.50565	2.0687	2.0316	2.0366
#2	1.0211	24.646	.50133	2.0796	2.0227	2.0371
#3	1.0103	24.644	.50590	2.0793	2.0231	2.0278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.784**	**.51160**	**2.0222**	**1.9428**	**2.0212**	**24.463**
Stddev	.089	.00125	.0007	.0157	.0161	.032
%RSD	.17867	.24464	.03574	.81000	.79602	.13056
#1	49.810	.51016	2.0214	1.9610	2.0349	24.482
#2	49.856	.51222	2.0222	1.9339	2.0251	24.426
#3	49.684	.51241	2.0228	1.9335	2.0035	24.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.89**	**2.0810**	**48.550**	**1.9599**	**1.9263**	F **101.09**
Stddev	.50	.0073	.215	.0186	.0069	.29
%RSD	.42032	.35251	.44201	.94637	.35659	.29130
#1	118.34	2.0849	48.502	1.9799	1.9184	101.21
#2	117.98	2.0726	48.785	1.9564	1.9304	101.30
#3	117.36	2.0857	48.364	1.9433	1.9302	100.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:04:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0464**	**.51723**	**.51132**	**.51681**	**2.0072**	**1.8695**
Stddev	.0019	.00089	.00439	.00373	.0132	.0035
%RSD	.09212	.17144	.85814	.72214	.65880	.18722
#1	2.0444	.51621	.50762	.51264	2.0105	1.8669
#2	2.0482	.51783	.51016	.51983	2.0185	1.8735
#3	2.0466	.51765	.51617	.51797	1.9927	1.8681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0224**	**2.0196**	**.95211**	**1.9934**	**1.9501**
Stddev	.0035	.0148	.00638	.0117	.0010
%RSD	.17453	.73363	.66989	.58837	.04987
#1	2.0252	2.0365	.94562	2.0029	1.9511
#2	2.0184	2.0138	.95234	1.9803	1.9502
#3	2.0235	2.0086	.95837	1.9971	1.9491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1759.3**	**3460.7**	**51039.**	**4631.7**
Stddev	.5	5.4	543.	18.7
%RSD	.02624	.15652	1.0641	.40408
#1	1759.4	3466.9	50541.	4622.9
#2	1758.8	3456.8	50958.	4618.9
#3	1759.8	3458.5	51618.	4653.2

Sample Name: CCB12 Acquired: 11/24/2021 16:08:36 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00992**	**.00012**	**.00308**	**-.00004**	**.00015**
Stddev	.00026	.02703	.00165	.00012	.00020	.00009
%RSD	1674.3	272.56	1386.5	3.9625	488.58	59.279
#1	-.00026	-.02405	-.00166	.00297	-.00022	.00025
#2	.00025	.02125	.00041	.00307	.00018	.00007
#3	.00005	-.02696	.00160	.00321	-.00008	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00441**	**.00013**	**.00009**	**.00063**	**.00069**	**-.00193**
Stddev	.00161	.00003	.00024	.00025	.00015	.00337
%RSD	36.483	23.140	250.76	39.039	21.255	175.24
#1	.00547	.00016	.00008	.00048	.00078	.00054
#2	.00520	.00010	.00034	.00092	.00052	-.00054
#3	.00256	.00014	-.00014	.00050	.00076	-.00577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71793**	**.00973**	**-.03953**	**.00002**	**.00783**	**2.2605**
Stddev	.01540	.00054	.01110	.00002	.00119	.0285
%RSD	2.1444	5.5326	28.087	93.892	15.239	1.2605
#1	.70169	.00945	-.04780	.00000	.00902	2.2864
#2	.73231	.01035	-.02691	.00003	.00784	2.2652
#3	.71981	.00939	-.04387	.00005	.00664	2.2300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB12 Acquired: 11/24/2021 16:08:36 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00046**	**.00327**	**.00062**	**.00336**	**.00404**
Stddev	.00010	.00121	.00183	.00240	.01250	.00078
%RSD	47.589	261.46	55.846	389.19	372.02	19.399
#1	.00026	-.00044	.00235	.00120	.01493	.00390
#2	.00009	-.00000	.00209	-.00202	-.00990	.00488
#3	.00026	.00183	.00537	.00267	.00504	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00030**	**.00109**	**-.00264**	**.00005**
Stddev	.00719	.00013	.00047	.00312	.00005
%RSD	947.73	44.323	43.335	117.93	97.698
#1	-.00868	.00030	.00055	-.00618	-.00001
#2	.00535	.00016	.00128	-.00146	.00008
#3	.00106	.00043	.00145	-.00029	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2067.6**	**3654.8**	**54737.**	**4670.2**
Stddev	2.5	4.6	128.	17.9
%RSD	.12031	.12538	.23416	.38297
#1	2069.6	3658.8	54612.	4655.6
#2	2064.8	3655.8	54869.	4690.1
#3	2068.5	3649.8	54731.	4664.8

Sample Name: 180-130108-C-3A SD@5 Acquired: 11/24/2021 16:13:19 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.02307**	**.00199**	**.00647**	**.04594**	**.00010**
Stddev	.00042	.01431	.00189	.00049	.00025	.00008
%RSD	177.82	62.000	95.131	7.4961	.53534	78.919
#1	-.00013	.03939	.00338	.00649	.04591	.00002
#2	.00012	.01267	.00274	.00695	.04572	.00019
#3	-.00070	.01716	-.00016	.00598	.04621	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.118**	**.00017**	**.00240**	**-.00027**	**-.00114**	**.05971**
Stddev	.132	.00009	.00007	.00045	.00095	.00277
%RSD	.57116	53.131	2.9562	168.22	82.857	4.6343
#1	23.196	.00008	.00244	-.00046	-.00179	.05678
#2	22.966	.00026	.00245	-.00058	-.00158	.06228
#3	23.193	.00017	.00232	.00025	-.00006	.06005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1117**	**.04356**	**.39275**	**.01631**	**.00247**	F **1699.7**
Stddev	.1024	.00172	.04126	.00006	.00019	18.3
%RSD	2.4912	3.9395	10.506	.36645	7.5343	1.0758
#1	4.0929	.04262	.42244	.01637	.00268	1720.4
#2	4.0200	.04252	.34564	.01632	.00240	1693.1
#3	4.2222	.04554	.41019	.01625	.00232	1685.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3A SD@5 Acquired: 11/24/2021 16:13:19 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00044**	**.00351**	**.00073**	**.06833**	**.00131**
Stddev	.00054	.00255	.00190	.00065	.00506	.00064
%RSD	43.963	577.04	54.131	88.854	7.4119	48.842
#1	.00080	-.00045	.00338	.00001	.07297	.00175
#2	.00106	-.00298	.00168	.00091	.06909	.00160
#3	.00184	.00211	.00547	.00128	.06293	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17901**	**.00055**	**-.00188**	**.00521**	**.02105**
Stddev	.00706	.00031	.00256	.00303	.00024
%RSD	3.9437	56.787	136.10	58.184	1.1230
#1	.18443	.00090	-.00430	.00465	.02078
#2	.17103	.00041	-.00213	.00249	.02114
#3	.18158	.00033	.00080	.00848	.02123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1517.1**	**3135.2**	**45206.**	**4460.1**
Stddev	1.5	.7	158.	35.9
%RSD	.09970	.02386	.35053	.80451
#1	1518.6	3136.1	45024.	4418.7
#2	1515.5	3134.7	45309.	4481.0
#3	1517.2	3135.0	45286.	4480.7

Sample Name: 180-130108-A-3-A MS Acquired: 11/24/2021 16:18:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33980**	**5.4378**	**1.2688**	**1.4454**	**1.2358**	**.50150**
Stddev	.00247	.1041	.0111	.0112	.0153	.00862
%RSD	.72569	1.9136	.87626	.77347	1.2361	1.7181
#1	.34238	5.4688	1.2783	1.4568	1.2435	.50624
#2	.33954	5.5229	1.2565	1.4344	1.2457	.50670
#3	.33747	5.3218	1.2715	1.4450	1.2182	.49155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.73**	**.64860**	**.54080**	**.46022**	**.60526**	**5.2033**
Stddev	2.60	.00485	.00320	.00484	.00400	.0933
%RSD	2.0367	.74833	.59216	1.0516	.66102	1.7937
#1	129.73	.65323	.54367	.46580	.60987	5.2646
#2	128.67	.64355	.53735	.45722	.60324	5.2494
#3	124.79	.64902	.54139	.45764	.60267	5.0959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**60.541**	**.93498**	**25.104**	**.54431**	**.44565**	F **3503.0**
Stddev	.553	.01054	.559	.00327	.00277	148.4
%RSD	.91358	1.1275	2.2253	.60062	.62102	4.2348
#1	60.738	.94116	25.554	.54796	.44782	3654.3
#2	60.968	.94097	25.279	.54165	.44253	3496.8
#3	59.916	.92281	24.478	.54333	.44659	3357.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3-A MS Acquired: 11/24/2021 16:18:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53429**	**.54115**	**.28608**	**1.2564**	**1.6277**	**.85001**
Stddev	.00298	.00444	.00391	.0086	.0434	.00665
%RSD	.55837	.82028	1.3678	.68780	2.6675	.78258
#1	.53766	.54624	.29059	1.2633	1.6555	.85731
#2	.53320	.53910	.28362	1.2467	1.6499	.84842
#3	.53200	.53811	.28403	1.2591	1.5776	.84430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2652**	**.49880**	**.90972**	**.50477**	**.34623**
Stddev	.0259	.00324	.00447	.00700	.00290
%RSD	2.0450	.64873	.49140	1.3868	.83763
#1	1.2863	.50240	.91309	.51201	.34958
#2	1.2730	.49614	.90465	.50426	.34442
#3	1.2363	.49786	.91141	.49804	.34471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1168.8**	**2705.9**	**39765.**	**4190.2**
Stddev	6.7	18.4	287.	126.2
%RSD	.56919	.68101	.72125	3.0116
#1	1161.3	2684.8	39445.	4095.0
#2	1173.9	2718.7	39999.	4142.4
#3	1171.2	2714.1	39853.	4333.3

Sample Name: 180-130108-A-3-B MSD Acquired: 11/24/2021 16:22:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34344**	**5.3237**	**1.2696**	**1.4414**	**1.2253**	**.48700**
Stddev	.00256	.0125	.0050	.0058	.0044	.00102
%RSD	.74664	.23418	.39419	.40491	.35668	.21014
#1	.34494	5.3292	1.2749	1.4480	1.2268	.48635
#2	.34048	5.3324	1.2689	1.4393	1.2204	.48818
#3	.34490	5.3094	1.2650	1.4369	1.2287	.48648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.92**	**.65289**	**.53140**	**.45952**	**.61175**	**5.1026**
Stddev	.28	.00312	.00128	.00449	.00566	.0044
%RSD	.21898	.47841	.24162	.97746	.92479	.08627
#1	127.62	.65638	.53008	.45622	.61223	5.0976
#2	128.18	.65194	.53265	.46464	.60587	5.1049
#3	127.96	.65036	.53146	.45771	.61716	5.1054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**63.039**	**.91228**	**24.183**	**.54747**	**.44418**	F **3012.3**
Stddev	.434	.00328	.142	.00263	.00144	49.6
%RSD	.68912	.35986	.58864	.48031	.32370	1.6456
#1	62.544	.91423	24.211	.54645	.44379	3005.9
#2	63.215	.90849	24.309	.55045	.44578	3064.7
#3	63.358	.91412	24.029	.54550	.44298	2966.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3-B MSD Acquired: 11/24/2021 16:22:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52364**	**.52879**	**.28779**	**1.2551**	**1.6777**	**.83855**
Stddev	.00098	.00378	.00224	.0066	.0112	.00292
%RSD	.18695	.71478	.77924	.52593	.66607	.34867
#1	.52471	.52459	.29032	1.2606	1.6708	.83554
#2	.52279	.52990	.28605	1.2570	1.6906	.84138
#3	.52342	.53190	.28701	1.2478	1.6718	.83873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2544**	**.49712**	**.89898**	**.48496**	**.34391**
Stddev	.0061	.00218	.00367	.00403	.00102
%RSD	.48313	.43834	.40843	.83148	.29534
#1	1.2505	.49704	.89590	.48037	.34307
#2	1.2513	.49934	.90304	.48655	.34504
#3	1.2614	.49499	.89800	.48795	.34363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1170.1**	**2703.2**	**39426.**	**4370.9**
Stddev	5.5	15.9	130.	21.8
%RSD	.46829	.58863	.33049	.49765
#1	1164.6	2686.1	39319.	4369.7
#2	1170.3	2706.0	39388.	4349.7
#3	1175.5	2717.5	39571.	4393.2

Sample Name: 180-130108-C-4-A Acquired: 11/24/2021 16:27:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**2.3677**	**.01338**	**.04961**	**.39355**	**.00051**
Stddev	.00065	.0377	.00221	.00115	.00054	.00018
%RSD	147.78	1.5938	16.543	2.3263	.13682	34.768
#1	.00005	2.4021	.01377	.04999	.39387	.00036
#2	.00119	2.3736	.01100	.04832	.39292	.00071
#3	.00008	2.3273	.01537	.05053	.39384	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**272.55**	**.00235**	**.00586**	**.01054**	**.05323**	**6.5194**
Stddev	3.85	.00028	.00054	.00062	.00083	.1136
%RSD	1.4119	12.114	9.1790	5.8394	1.5585	1.7426
#1	270.94	.00267	.00524	.00984	.05228	6.4930
#2	276.94	.00214	.00612	.01099	.05379	6.6439
#3	269.77	.00224	.00622	.01080	.05363	6.4213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.615**	**.44852**	**24.033**	**.46055**	**.00360**	F **2952.9**
Stddev	1.489	.00341	.418	.00346	.00075	60.9
%RSD	2.2027	.76080	1.7398	.75033	20.895	2.0636
#1	65.895	.44606	23.874	.46439	.00435	2971.0
#2	68.489	.45241	24.507	.45769	.00360	3002.8
#3	68.460	.44708	23.717	.45957	.00284	2885.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A Acquired: 11/24/2021 16:27:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01526**	**.04552**	**.00588**	**.00777**	**3.0039**	**.00557**
Stddev	.00074	.00242	.00226	.00714	.0415	.00072
%RSD	4.8445	5.3195	38.540	91.893	1.3804	13.010
#1	.01593	.04821	.00734	.01597	2.9771	.00635
#2	.01539	.04482	.00327	.00289	3.0516	.00543
#3	.01447	.04353	.00702	.00445	2.9829	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3695**	**.03668**	**.00101**	**.00867**	**1.4535**
Stddev	.0190	.00271	.00247	.00241	.0226
%RSD	1.3875	7.3993	244.06	27.811	1.5514
#1	1.3681	.03980	.00355	.01127	1.4670
#2	1.3892	.03494	.00086	.00651	1.4660
#3	1.3513	.03529	-.00137	.00823	1.4275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1023.7**	**2468.8**	**35512.**	**4159.4**
Stddev	14.4	40.6	296.	67.9
%RSD	1.4070	1.6444	.83477	1.6330
#1	1010.6	2430.8	35843.	4187.8
#2	1039.1	2511.6	35421.	4081.9
#3	1021.3	2464.0	35271.	4208.6

Sample Name: 180-130136-A-1-A Acquired: 11/24/2021 16:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**3.6883**	**.00284**	**.01860**	**.02846**	**-.00002**
Stddev	.00024	.0257	.00083	.00091	.00014	.00002
%RSD	196.66	.69626	29.334	4.8848	.50178	79.954
#1	.00012	3.7005	.00202	.01896	.02829	-.00000
#2	-.00012	3.6587	.00281	.01757	.02854	-.00003
#3	-.00036	3.7055	.00369	.01928	.02854	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7773**	**.00015**	**.00031**	**.00208**	**.01274**	**.21945**
Stddev	.0315	.00013	.00017	.00018	.00032	.00457
%RSD	.40468	86.041	55.230	8.5824	2.4760	2.0836
#1	7.7593	.00018	.00016	.00215	.01252	.21444
#2	7.7590	.00026	.00028	.00221	.01310	.22339
#3	7.8137	.00001	.00049	.00187	.01259	.22051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2756**	**.01587**	**2.2206**	**.05507**	**1.0997**	**82.634**
Stddev	.0557	.00133	.0510	.00015	.0101	.340
%RSD	1.0566	8.3778	2.2968	.27650	.92254	.41174
#1	5.3022	.01735	2.1726	.05523	1.1011	82.304
#2	5.3132	.01478	2.2149	.05493	1.0889	82.983
#3	5.2116	.01549	2.2742	.05504	1.1090	82.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130136-A-1-A Acquired: 11/24/2021 16:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00122**	**.00298**	**-.00235**	**5.6807**	**.00237**
Stddev	.00029	.00132	.00064	.00079	.0466	.00073
%RSD	31.620	107.62	21.528	33.489	.81945	30.646
#1	.00068	.00111	.00227	-.00210	5.6494	.00180
#2	.00083	-.00003	.00352	-.00323	5.6585	.00318
#3	.00124	.00259	.00315	-.00171	5.7342	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02433**	**.00100**	**.00289**	**.00172**	**.00773**
Stddev	.00613	.00007	.00065	.00046	.00022
%RSD	25.182	6.6642	22.517	26.852	2.8897
#1	.02209	.00094	.00214	.00225	.00792
#2	.03126	.00100	.00329	.00138	.00778
#3	.01963	.00107	.00325	.00155	.00748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1967.2**	**3670.9**	**56144.**	**5235.5**
Stddev	10.7	22.8	129.	46.6
%RSD	.54196	.62102	.22971	.88913
#1	1967.8	3668.4	56006.	5264.2
#2	1977.5	3694.9	56262.	5260.6
#3	1956.2	3649.5	56163.	5181.8

Sample Name: 180-130279-F-1-A Acquired: 11/24/2021 16:36:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.32962**	**.00403**	**.05568**	**.50002**	**.00013**
Stddev	.00022	.02469	.00094	.00085	.00173	.00003
%RSD	101.18	7.4914	23.375	1.5284	.34533	25.152
#1	-.00046	.32468	.00464	.05665	.49998	.00010
#2	-.00018	.35640	.00295	.05531	.50176	.00014
#3	-.00002	.30776	.00451	.05508	.49831	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.819**	**.00018**	**.00051**	**.00050**	**.00878**	**.41480**
Stddev	.154	.00005	.00019	.00026	.00029	.00323
%RSD	.44207	29.662	37.385	51.810	3.3558	.77840
#1	34.977	.00017	.00029	.00036	.00847	.41839
#2	34.811	.00024	.00061	.00033	.00905	.41385
#3	34.669	.00014	.00063	.00080	.00882	.41215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3777**	**.02617**	**5.8549**	**.02871**	**.01044**	**24.837**
Stddev	.0741	.00139	.0204	.00003	.00101	.450
%RSD	1.3781	5.3283	.34851	.10981	9.6480	1.8101
#1	5.4321	.02778	5.8676	.02867	.01155	25.196
#2	5.4077	.02536	5.8658	.02872	.01019	24.981
#3	5.2933	.02537	5.8314	.02873	.00958	24.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130279-F-1-A Acquired: 11/24/2021 16:36:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**.00165**	**.00417**	**-.00321**	**2.6099**	**.00056**
Stddev	.00057	.00100	.00081	.00167	.0416	.00061
%RSD	30.240	60.784	19.394	52.102	1.5922	108.03
#1	.00124	.00277	.00410	-.00174	2.6541	.00119
#2	.00234	.00135	.00340	-.00502	2.6040	.00052
#3	.00204	.00083	.00501	-.00286	2.5716	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34295**	**.00577**	**.00268**	**.00172**	**.01597**
Stddev	.00492	.00011	.00041	.00331	.00019
%RSD	1.4348	1.8847	15.479	192.82	1.1763
#1	.33847	.00576	.00304	.00081	.01612
#2	.34822	.00567	.00277	.00538	.01605
#3	.34216	.00588	.00222	-.00104	.01576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2055.0**	**3658.5**	**57161.**	**5329.5**
Stddev	3.3	6.9	320.	39.9
%RSD	.16108	.18743	.55962	.74877
#1	2051.8	3652.4	57034.	5286.5
#2	2054.8	3657.3	57525.	5336.8
#3	2058.4	3665.9	56925.	5365.3

Sample Name: MB 180-379972/1-A Acquired: 11/24/2021 16:41:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00474**	**-.00059**	**.00077**	**-.00025**	**.00001**
Stddev	.00021	.00766	.00174	.00012	.00006	.00002
%RSD	1202.8	161.73	294.70	15.695	25.537	234.21
#1	.00014	.00176	.00012	.00087	-.00018	-.00001
#2	-.00022	-.01318	.00068	.00080	-.00029	.00004
#3	.00013	-.00279	-.00258	.00064	-.00029	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**.00017**	**.00010**	**.00026**	**.00090**	**.00155**
Stddev	.00413	.00015	.00002	.00014	.00017	.00267
%RSD	52.017	84.573	23.499	53.755	18.754	171.82
#1	.01030	.00003	.00008	.00010	.00076	-.00139
#2	.00317	.00032	.00009	.00030	.00109	.00382
#3	.01034	.00018	.00013	.00037	.00085	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3597**	**.00910**	**.00681**	**.00001**	**.00278**	F **5.8669**
Stddev	.0334	.00111	.02392	.00003	.00041	.1597
%RSD	2.4555	12.150	350.97	264.23	14.678	2.7226
#1	1.3831	.00989	.00668	.00000	.00310	6.0018
#2	1.3215	.00784	.03080	-.00001	.00293	5.9085
#3	1.3745	.00958	-.01703	.00004	.00232	5.6905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: MB 180-379972/1-A Acquired: 11/24/2021 16:41:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00020**	**.00312**	**-.00292**	**.01196**	**.00189**
Stddev	.00015	.00109	.00070	.00213	.00839	.00015
%RSD	37.134	540.89	22.303	72.859	70.149	7.7920
#1	-.00036	-.00091	.00294	-.00254	.02105	.00200
#2	-.00057	-.00075	.00254	-.00522	.00451	.00172
#3	-.00028	.00106	.00389	-.00101	.01033	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00002**	**.00081**	**.00470**	**-.00037**
Stddev	.00904	.00016	.00088	.00230	.00020
%RSD	1374.9	988.15	109.31	48.992	54.027
#1	.00914	-.00009	.00060	.00736	-.00027
#2	-.00866	-.00012	.00177	.00332	-.00060
#3	-.00245	.00017	.00005	.00342	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2168.3**	**3778.5**	**59279.**	**5318.8**
Stddev	5.0	19.1	165.	55.6
%RSD	.23043	.50527	.27869	1.0448
#1	2173.6	3800.6	59090.	5277.6
#2	2163.6	3766.8	59393.	5296.8
#3	2167.8	3768.2	59354.	5382.0

Sample Name: LCS 180-379972/2-A Acquired: 11/24/2021 16:45:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25163**	**4.9937**	**1.0935**	**1.4139**	**1.0564**	**.52052**
Stddev	.00087	.0260	.0012	.0012	.0022	.00216
%RSD	.34661	.52042	.10504	.08149	.21095	.41467
#1	.25104	5.0225	1.0924	1.4129	1.0579	.52217
#2	.25122	4.9864	1.0947	1.4137	1.0575	.52131
#3	.25263	4.9721	1.0933	1.4152	1.0539	.51807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.666**	**.53323**	**.50273**	**.49000**	**.52595**	**4.9263**
Stddev	.090	.00100	.00059	.00146	.00217	.0383
%RSD	.36367	.18718	.11726	.29773	.41342	.77771
#1	24.747	.53271	.50336	.49160	.52599	4.9345
#2	24.681	.53259	.50263	.48874	.52375	4.9598
#3	24.569	.53438	.50219	.48967	.52810	4.8845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.164**	**.54161**	**23.824**	**.49452**	**.48994**	**24.063**
Stddev	.109	.00180	.107	.00050	.00325	.127
%RSD	.43442	.33234	.44816	.10047	.66265	.52683
#1	25.247	.54365	23.926	.49503	.48726	24.067
#2	25.204	.54091	23.833	.49404	.48901	24.188
#3	25.040	.54026	23.713	.49449	.49355	23.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379972/2-A Acquired: 11/24/2021 16:45:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50449**	**.50471**	**.26006**	**1.1255**	**1.0542**	**.97607**
Stddev	.00107	.00136	.00236	.0041	.0134	.00127
%RSD	.21247	.27019	.90624	.36174	1.2681	.13017
#1	.50567	.50525	.26102	1.1209	1.0393	.97750
#2	.50424	.50316	.26177	1.1286	1.0584	.97506
#3	.50357	.50572	.25737	1.1271	1.0650	.97565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.50506**	**.52388**	**.98711**	**.51070**	**.24512**
Stddev	.00685	.00147	.00210	.00573	.00018
%RSD	1.3569	.28151	.21236	1.1220	.07263
#1	.50800	.52547	.98946	.51390	.24511
#2	.50995	.52362	.98543	.50409	.24495
#3	.49723	.52256	.98644	.51412	.24531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.9**	**3690.2**	**57358.**	**5360.2**
Stddev	2.7	6.0	131.	4.9
%RSD	.13393	.16382	.22829	.09173
#1	2012.5	3695.1	57281.	5357.3
#2	2010.5	3683.4	57510.	5357.4
#3	2015.8	3692.2	57285.	5365.9

Sample Name: 180-130108-C-5-A Acquired: 11/24/2021 16:50:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.10224**	**.00566**	**.07233**	**.04714**	**.00001**
Stddev	.00067	.02576	.00070	.00020	.00026	.00010
%RSD	272.74	25.194	12.429	.27469	.54251	713.40
#1	-.00085	.08984	.00509	.07244	.04718	.00007
#2	-.00038	.08503	.00546	.07211	.04687	-.00010
#3	.00048	.13185	.00645	.07246	.04737	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.125**	**.00038**	**.00062**	**.00150**	**.00692**	**.12530**
Stddev	.317	.00007	.00013	.00026	.00022	.00418
%RSD	.58515	18.427	20.794	17.263	3.2002	3.3383
#1	54.286	.00037	.00052	.00168	.00705	.12078
#2	53.760	.00032	.00076	.00160	.00705	.12608
#3	54.329	.00046	.00058	.00120	.00667	.12903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8975**	**.01225**	**10.145**	**.00294**	**.01023**	**165.02**
Stddev	.0925	.00090	.058	.00006	.00101	1.55
%RSD	.93513	7.3699	.57165	2.0983	9.8653	.93975
#1	9.8693	.01305	10.173	.00300	.01133	165.11
#2	9.8223	.01127	10.078	.00288	.01003	163.43
#3	10.001	.01244	10.184	.00292	.00934	166.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-A Acquired: 11/24/2021 16:50:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00074**	**.00410**	**.00548**	**7.4988**	**.00275**
Stddev	.00066	.00013	.00154	.00177	.0443	.00076
%RSD	592.74	18.067	37.566	32.356	.59114	27.543
#1	-.00003	.00069	.00407	.00492	7.5059	.00254
#2	-.00047	.00089	.00257	.00406	7.4513	.00359
#3	.00083	.00064	.00566	.00747	7.5391	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.52629**	**.00260**	**.00286**	**.00562**	**.00451**
Stddev	.00467	.00015	.00262	.00102	.00012
%RSD	.88771	5.8009	91.558	18.217	2.6773
#1	.52171	.00243	.00148	.00534	.00451
#2	.53105	.00266	.00122	.00676	.00439
#3	.52611	.00271	.00588	.00477	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1898.8**	**3561.4**	**55177.**	**5246.9**
Stddev	6.0	7.5	163.	42.7
%RSD	.31623	.21100	.29581	.81328
#1	1905.8	3570.1	54990.	5260.4
#2	1895.1	3557.6	55292.	5281.1
#3	1895.6	3556.5	55248.	5199.1

Sample Name: 180-130108-C-5A SD@5 Acquired: 11/24/2021 16:54:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.02296**	**.00121**	**.01349**	**.00892**	**-.00002**
Stddev	.00026	.01973	.00313	.00039	.00022	.00010
%RSD	87.889	85.949	257.59	2.8629	2.4657	447.40
#1	.00048	.00718	-.00223	.01370	.00907	-.00012
#2	-.00000	.04508	.00199	.01373	.00901	-.00004
#3	.00041	.01662	.00388	.01305	.00867	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.542**	**.00014**	**.00005**	**.00073**	**.00178**	**.02380**
Stddev	.056	.00019	.00014	.00026	.00056	.00424
%RSD	.52969	135.87	295.15	35.935	31.478	17.822
#1	10.478	.00029	.00019	.00094	.00239	.02819
#2	10.564	.00019	.00001	.00082	.00129	.02348
#3	10.583	-.00007	-.00007	.00044	.00166	.01973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4748**	**.00770**	**1.9485**	**.00058**	**.00342**	**33.922**
Stddev	.0179	.00187	.0302	.00003	.00006	.189
%RSD	.72158	24.246	1.5518	5.6529	1.8345	.55721
#1	2.4813	.00558	1.9526	.00061	.00341	33.716
#2	2.4885	.00839	1.9765	.00055	.00348	33.960
#3	2.4546	.00912	1.9164	.00057	.00336	34.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5A SD@5 Acquired: 11/24/2021 16:54:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00017**	**.00251**	**-.00177**	**1.4419**	**.00082**
Stddev	.00021	.00088	.00085	.00384	.0215	.00050
%RSD	39.940	530.54	33.730	216.62	1.4939	60.547
#1	-.00060	.00063	.00174	.00266	1.4198	.00131
#2	-.00028	.00071	.00238	-.00415	1.4628	.00085
#3	-.00067	-.00085	.00342	-.00382	1.4433	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10136**	**.00054**	**.00074**	**.00121**	**.00067**
Stddev	.00382	.00014	.00027	.00236	.00014
%RSD	3.7728	24.968	36.347	195.28	20.153
#1	.10568	.00045	.00049	-.00082	.00055
#2	.09841	.00048	.00102	.00380	.00082
#3	.09999	.00070	.00070	.00064	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2085.3**	**3717.4**	**57460.**	**5313.8**
Stddev	6.2	10.7	9.	48.0
%RSD	.29505	.28784	.01545	.90355
#1	2080.7	3707.6	57458.	5369.2
#2	2082.9	3715.7	57470.	5284.1
#3	2092.3	3728.8	57452.	5288.0

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:59:33 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97618**	**23.708**	**.51413**	**2.1196**	**1.9847**	**1.9445**
Stddev	.00133	.054	.01753	.0488	.0037	.0053
%RSD	.13659	.22739	3.4093	2.3012	.18715	.27329
#1	.97733	23.646	.49393	2.0643	1.9810	1.9386
#2	.97651	23.741	.52536	2.1566	1.9846	1.9489
#3	.97472	23.737	.52310	2.1378	1.9884	1.9459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.768**	**.51277**	**2.0145**	**1.8313**	**1.9825**	**23.381**
Stddev	.190	.01206	.0461	.0034	.0047	.086
%RSD	.40719	2.3522	2.2867	.18447	.23540	.36657
#1	46.549	.49935	1.9622	1.8308	1.9878	23.303
#2	46.879	.52269	2.0489	1.8350	1.9806	23.473
#3	46.878	.51628	2.0324	1.8283	1.9791	23.368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.35**	**2.0610**	**45.457**	**1.8421**	**1.9725**	F **103.22**
Stddev	.46	.0040	.245	.0043	.0499	.70
%RSD	.39385	.19435	.53842	.23225	2.5312	.68268
#1	115.93	2.0612	45.181	1.8440	1.9155	102.88
#2	116.84	2.0570	45.650	1.8450	2.0084	104.03
#3	116.28	2.0650	45.539	1.8372	1.9936	102.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:59:33 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0153**	**.50062**	**.52724**	**.52653**	**1.8758**	**1.8793**
Stddev	.0455	.01508	.01334	.01140	.0164	.0440
%RSD	2.2580	3.0113	2.5300	2.1653	.87257	2.3403
#1	1.9638	.48329	.51238	.51344	1.8635	1.8294
#2	2.0501	.51071	.53817	.53422	1.8943	1.9124
#3	2.0319	.50787	.53117	.53195	1.8695	1.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8922**	**1.9448**	**.95892**	**1.9339**	**1.8824**
Stddev	.0100	.0010	.02052	.0106	.0435
%RSD	.52949	.05415	2.1399	.55037	2.3133
#1	1.8809	1.9441	.93552	1.9342	1.8329
#2	1.8999	1.9460	.97383	1.9231	1.9150
#3	1.8959	1.9443	.96742	1.9444	1.8992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1807.6**	**3524.8**	**55655.**	**5291.4**
Stddev	34.3	68.0	152.	36.6
%RSD	1.8951	1.9289	.27295	.69250
#1	1846.5	3601.8	55565.	5332.7
#2	1782.0	3473.1	55569.	5262.8
#3	1794.3	3499.6	55830.	5278.9

Sample Name: CCB13 Acquired: 11/24/2021 17:03:55 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.01970**	**-.00092**	**.00180**	**-.00007**	**.00009**
Stddev	.00012	.00598	.00062	.00010	.00026	.00005
%RSD	46.763	30.328	67.684	5.3492	377.51	56.007
#1	.00036	-.02278	-.00087	.00182	-.00036	.00013
#2	.00030	-.02352	-.00157	.00188	.00005	.00003
#3	.00012	-.01282	-.00033	.00169	.00011	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.00014**	**.00023**	**.00025**	**.00151**	**.00072**
Stddev	.00311	.00007	.00015	.00015	.00038	.00275
%RSD	390.08	47.668	64.804	58.175	25.232	381.69
#1	.00226	.00007	.00027	.00035	.00141	.00388
#2	-.00395	.00014	.00006	.00008	.00119	-.00109
#3	-.00070	.00021	.00035	.00033	.00193	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67345**	**.00735**	**-.03267**	**-.00000**	**.00841**	**2.2019**
Stddev	.01643	.00036	.01666	.00001	.00121	.0207
%RSD	2.4403	4.8862	51.000	210.06	14.411	.93774
#1	.67940	.00776	-.01845	-.00001	.00964	2.2209
#2	.68607	.00708	-.02855	.00001	.00836	2.2050
#3	.65486	.00722	-.05100	-.00001	.00722	2.1799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB13 Acquired: 11/24/2021 17:03:55 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00048**	**.00355**	**.00069**	**-.00458**	**.00262**
Stddev	.00039	.00110	.00107	.00176	.00602	.00041
%RSD	151.40	230.24	30.243	254.88	131.54	15.814
#1	-.00065	-.00165	.00245	.00107	.00069	.00307
#2	-.00024	.00055	.00361	-.00123	-.01114	.00225
#3	.00013	-.00034	.00459	.00222	-.00328	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	**.00021**	**.00129**	**.00446**	**-.00003**
Stddev	.00363	.00011	.00114	.00717	.00008
%RSD	132.64	50.814	88.512	160.74	308.44
#1	.00665	.00009	.00065	.00682	.00001
#2	-.00051	.00030	.00260	.01016	.00003
#3	.00206	.00023	.00061	-.00359	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2213.2**	**3860.9**	**60062.**	**5403.0**
Stddev	1.8	2.8	401.	30.4
%RSD	.08071	.07172	.66829	.56355
#1	2215.1	3861.7	60494.	5368.0
#2	2212.9	3857.8	59702.	5417.1
#3	2211.5	3863.1	59989.	5423.8

Sample Name: 180-130108-C-5-B MS Acquired: 11/24/2021 17:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25684**	**5.2068**	**1.1280**	**1.5163**	**1.0923**	**.51636**
Stddev	.00084	.0517	.0031	.0027	.0027	.00161
%RSD	.32803	.99370	.27137	.17481	.24394	.31260
#1	.25781	5.2189	1.1252	1.5141	1.0937	.51682
#2	.25637	5.1501	1.1276	1.5156	1.0893	.51457
#3	.25633	5.2515	1.1313	1.5193	1.0940	.51769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.368**	**.53634**	**.52271**	**.48984**	**.53924**	**5.0869**
Stddev	.159	.00011	.00186	.00166	.00105	.0242
%RSD	.19814	.02117	.35565	.33928	.19556	.47520
#1	80.542	.53636	.52392	.49171	.53988	5.0913
#2	80.229	.53644	.52057	.48854	.53802	5.0608
#3	80.334	.53621	.52365	.48927	.53981	5.1085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.207**	**.56089**	**34.293**	**.49207**	**.50451**	**200.85**
Stddev	.243	.00144	.226	.00246	.00192	1.50
%RSD	.69039	.25705	.65787	.49931	.38055	.74627
#1	35.219	.56253	34.380	.49437	.50230	199.59
#2	34.958	.55983	34.037	.48948	.50579	200.44
#3	35.444	.56030	34.462	.49235	.50543	202.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-B MS Acquired: 11/24/2021 17:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51409**	**.50450**	**.26844**	**1.1236**	**8.9774**	**.97724**
Stddev	.00150	.00450	.00090	.0028	.0529	.00081
%RSD	.29112	.89157	.33358	.25046	.58900	.08301
#1	.51451	.50186	.26747	1.1268	9.0219	.97712
#2	.51243	.50196	.26923	1.1226	8.9189	.97649
#3	.51533	.50970	.26864	1.1215	8.9913	.97810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**.52309**	**.98133**	**.51759**	**.25037**
Stddev	.0024	.00165	.00599	.00223	.00082
%RSD	.22786	.31459	.61011	.43148	.32698
#1	1.0301	.52470	.98613	.51837	.25131
#2	1.0331	.52141	.97462	.51507	.24982
#3	1.0348	.52315	.98324	.51933	.24999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1831.7**	**3547.1**	**54955.**	**5275.1**
Stddev	3.9	2.1	194.	23.4
%RSD	.21190	.05992	.35297	.44386
#1	1831.1	3549.5	54853.	5265.0
#2	1835.9	3546.4	55179.	5301.8
#3	1828.2	3545.5	54834.	5258.4

Sample Name: 180-130108-C-5-C MSD Acquired: 11/24/2021 17:13:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26606**	**5.4095**	**1.1489**	**1.5323**	**1.1140**	**.52785**
Stddev	.00246	.0193	.0058	.0061	.0047	.00334
%RSD	.92385	.35700	.50682	.40094	.42020	.63182
#1	.26578	5.4296	1.1524	1.5354	1.1120	.52948
#2	.26376	5.4077	1.1522	1.5362	1.1193	.53006
#3	.26865	5.3911	1.1422	1.5252	1.1105	.52401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.568**	**.54889**	**.53611**	**.49970**	**.55567**	**5.2169**
Stddev	.506	.00150	.00185	.00537	.00685	.0398
%RSD	.62814	.27372	.34427	1.0746	1.2325	.76319
#1	81.017	.54932	.53568	.50092	.55133	5.2390
#2	80.667	.55014	.53813	.49382	.55211	5.2408
#3	80.020	.54722	.53451	.50435	.56356	5.1709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.941**	**.57481**	**34.785**	**.50295**	**.52067**	**202.76**
Stddev	.226	.00164	.272	.00543	.00150	2.48
%RSD	.62786	.28542	.78271	1.0805	.28816	1.2243
#1	35.987	.57348	34.987	.50113	.52004	204.97
#2	36.141	.57664	34.893	.49866	.52239	203.22
#3	35.696	.57431	34.476	.50906	.51959	200.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-C MSD Acquired: 11/24/2021 17:13:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52598**	**.51804**	**.27348**	**1.1476**	**9.0604**	**.99992**
Stddev	.00161	.00325	.00299	.0020	.0683	.00481
%RSD	.30526	.62710	1.0951	.17386	.75375	.48133
#1	.52664	.51938	.27618	1.1498	9.1277	1.0018
#2	.52715	.52041	.27399	1.1459	9.0624	1.0035
#3	.52415	.51434	.27026	1.1472	8.9912	.99445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**.53287**	**1.0108**	**.52432**	**.25304**
Stddev	.0028	.00517	.0053	.00280	.00043
%RSD	.27227	.96980	.52725	.53312	.17052
#1	1.0414	.53112	1.0105	.52736	.25309
#2	1.0435	.52880	1.0163	.52187	.25344
#3	1.0379	.53868	1.0057	.52373	.25258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.9**	**3526.7**	**54651.**	**5268.8**
Stddev	6.3	6.9	546.	51.6
%RSD	.34595	.19501	.99996	.97929
#1	1820.3	3524.0	54879.	5214.1
#2	1814.9	3521.5	55047.	5275.8
#3	1827.4	3534.5	54028.	5316.6

Sample Name: 180-130108-C-6-A Acquired: 11/24/2021 17:17:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.17458**	**.00599**	**.05226**	**.06479**	**.00005**
Stddev	.00046	.01729	.00110	.00163	.00193	.00019
%RSD	4962.1	9.9051	18.417	3.1150	2.9792	408.61
#1	-.00041	.15610	.00691	.05137	.06356	-.00009
#2	-.00012	.19037	.00477	.05414	.06701	.00026
#3	.00050	.17727	.00629	.05127	.06380	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.567**	**.00015**	**.00112**	**.00306**	**.00645**	**.04342**
Stddev	2.173	.00013	.00019	.00021	.00041	.00485
%RSD	3.6473	85.574	16.742	6.7759	6.3741	11.165
#1	57.953	.00003	.00106	.00329	.00618	.03897
#2	62.037	.00028	.00134	.00298	.00624	.04858
#3	58.711	.00014	.00098	.00290	.00692	.04270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.194**	**.01809**	**6.0589**	**.00253**	**.01391**	**412.26**
Stddev	.572	.00165	.2482	.00005	.00114	11.13
%RSD	3.3248	9.1022	4.0970	1.8766	8.1634	2.7001
#1	16.702	.01728	5.8413	.00257	.01427	402.18
#2	17.821	.01999	6.3293	.00256	.01482	424.20
#3	17.060	.01702	6.0061	.00248	.01263	410.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-6-A Acquired: 11/24/2021 17:17:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00015**	**.00310**	**.00728**	**7.7011**	**.00322**
Stddev	.00020	.00119	.00088	.00073	.2722	.00011
%RSD	24.209	792.02	28.472	10.084	3.5352	3.3834
#1	.00071	-.00149	.00214	.00813	7.4894	.00311
#2	.00072	.00024	.00330	.00679	8.0082	.00333
#3	.00106	.00080	.00387	.00694	7.6056	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.62676**	**.00103**	**.00263**	**.00735**	**.00403**
Stddev	.02251	.00001	.00089	.00271	.00014
%RSD	3.5914	1.3918	33.854	36.879	3.3538
#1	.61160	.00104	.00292	.00437	.00402
#2	.65262	.00102	.00333	.00801	.00418
#3	.61606	.00104	.00163	.00968	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1765.3**	**3418.7**	**53389.**	**5136.4**
Stddev	58.5	115.7	250.	168.3
%RSD	3.3141	3.3854	.46883	3.2775
#1	1794.5	3480.4	53476.	5281.9
#2	1698.0	3285.2	53106.	4952.0
#3	1803.5	3490.5	53584.	5175.4

Sample Name: 180-130108-C-7-A Acquired: 11/24/2021 17:22:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**1.4027**	**.01076**	**.04994**	**.13007**	**.00034**
Stddev	.00007	.0162	.00287	.00022	.00037	.00008
%RSD	15.825	1.1565	26.680	.43494	.28264	23.062
#1	-.00040	1.4213	.01401	.04971	.13048	.00038
#2	-.00054	1.3911	.00968	.04996	.12995	.00025
#3	-.00046	1.3958	.00859	.05014	.12978	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.78**	**.00037**	**.00223**	**.00777**	**.03496**	**1.5965**
Stddev	.57	.00012	.00032	.00094	.00113	.0076
%RSD	.39171	31.052	14.326	12.045	3.2239	.47736
#1	145.41	.00032	.00229	.00679	.03489	1.5942
#2	144.60	.00050	.00251	.00785	.03612	1.6049
#3	144.32	.00029	.00188	.00866	.03387	1.5902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.917**	**.02091**	**15.137**	**.12143**	**.00686**	**435.75**
Stddev	.056	.00106	.064	.00038	.00025	2.11
%RSD	.35218	5.0912	.42309	.31068	3.6976	.48420
#1	15.979	.02109	15.120	.12115	.00703	438.12
#2	15.871	.02187	15.207	.12186	.00699	435.05
#3	15.900	.01976	15.083	.12128	.00657	434.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-7-A Acquired: 11/24/2021 17:22:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00533**	**.01542**	**.00480**	**.00020**	**8.5514**	**.00271**
Stddev	.00064	.00337	.00101	.00305	.0444	.00033
%RSD	12.085	21.887	21.054	1522.5	.51941	12.337
#1	.00466	.01665	.00498	-.00233	8.5839	.00309
#2	.00540	.01800	.00571	-.00065	8.5008	.00259
#3	.00594	.01160	.00371	.00358	8.5695	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.91633**	**.05199**	**.00125**	**.01439**	**.27143**
Stddev	.00842	.00015	.00135	.00118	.00091
%RSD	.91895	.28992	108.40	8.2290	.33685
#1	.92186	.05182	.00046	.01568	.27087
#2	.90664	.05209	.00281	.01412	.27093
#3	.92049	.05208	.00048	.01336	.27248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1743.3**	**3448.0**	**53022.**	**5168.7**
Stddev	3.0	10.1	55.	24.9
%RSD	.17152	.29304	.10335	.48188
#1	1746.7	3459.5	53082.	5140.0
#2	1742.4	3440.4	53010.	5184.6
#3	1740.9	3444.1	52974.	5181.5

Sample Name: 180-130108-C-8-A Acquired: 11/24/2021 17:27:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**3.9796**	**.02997**	**.09681**	**.12621**	**.00104**
Stddev	.00034	.0144	.00185	.00137	.00057	.00012
%RSD	138.88	.36165	6.1671	1.4163	.45459	11.489
#1	.00031	3.9949	.02897	.09798	.12574	.00115
#2	-.00012	3.9663	.03211	.09530	.12685	.00105
#3	.00054	3.9777	.02885	.09715	.12603	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.673**	**.00044**	**.00257**	**.01260**	**.01718**	**2.3647**
Stddev	.060	.00005	.00014	.00052	.00038	.0148
%RSD	.06567	11.300	5.3119	4.0942	2.2005	.62501
#1	91.637	.00047	.00263	.01300	.01761	2.3660
#2	91.742	.00038	.00266	.01202	.01692	2.3788
#3	91.639	.00046	.00241	.01278	.01700	2.3493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.963**	**.01893**	**8.7956**	**.03266**	**.00732**	**351.13**
Stddev	.029	.00032	.0587	.00012	.00007	5.50
%RSD	.19299	1.6939	.66737	.36607	.95358	1.5674
#1	14.945	.01856	8.8333	.03278	.00740	355.79
#2	14.996	.01913	8.8256	.03266	.00726	345.06
#3	14.948	.01909	8.7280	.03254	.00731	352.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-8-A Acquired: 11/24/2021 17:27:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00579**	**.01747**	**.00422**	**.00062**	**14.455**	**.00179**
Stddev	.00039	.00163	.00061	.00195	.028	.00065
%RSD	6.7224	9.3559	14.445	316.72	.19035	36.476
#1	.00600	.01716	.00358	.00137	14.473	.00229
#2	.00534	.01601	.00428	-.00160	14.468	.00202
#3	.00602	.01924	.00480	.00207	14.423	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.81802**	**.22650**	**.00211**	**.02447**	**.04809**
Stddev	.00970	.00045	.00151	.00054	.00014
%RSD	1.1855	.19859	71.752	2.2233	.29507
#1	.81352	.22694	.00385	.02418	.04823
#2	.82915	.22604	.00130	.02414	.04795
#3	.81140	.22652	.00117	.02510	.04808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1783.3**	**3509.9**	**54424.**	**5279.8**
Stddev	.2	10.3	138.	11.5
%RSD	.01300	.29427	.25431	.21768
#1	1783.3	3500.9	54397.	5282.1
#2	1783.0	3521.2	54573.	5290.0
#3	1783.5	3507.6	54300.	5267.3

Sample Name: 180-130108-C-9-A Acquired: 11/24/2021 17:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.59177**	**.00625**	**.08366**	**.05142**	**.00001**
Stddev	.00012	.00426	.00063	.00023	.00007	.00003
%RSD	69.135	.71941	10.017	.27230	.13907	385.52
#1	-.00029	.59441	.00671	.08340	.05135	.00002
#2	-.00006	.59404	.00649	.08377	.05143	-.00003
#3	-.00016	.58686	.00554	.08381	.05149	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.646**	**.00029**	**.00129**	**.00586**	**.01955**	**1.6526**
Stddev	.234	.00013	.00022	.00029	.00098	.0050
%RSD	.40641	43.228	16.910	4.8995	4.9992	.29997
#1	57.887	.00039	.00104	.00619	.02003	1.6471
#2	57.419	.00015	.00138	.00572	.01842	1.6542
#3	57.633	.00033	.00145	.00567	.02019	1.6566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.134**	**.01611**	**11.202**	**.04040**	**.00747**	**249.67**
Stddev	.043	.00035	.021	.00038	.00021	3.18
%RSD	.42370	2.1512	.19142	.93844	2.8409	1.2746
#1	10.085	.01574	11.213	.04083	.00771	253.30
#2	10.153	.01616	11.177	.04030	.00730	247.38
#3	10.165	.01643	11.215	.04009	.00741	248.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-9-A Acquired: 11/24/2021 17:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**.00491**	**.00742**	**-.00079**	**10.161**	**.00337**
Stddev	.00067	.00099	.00150	.00064	.019	.00045
%RSD	25.201	20.272	20.247	80.112	.18448	13.328
#1	.00342	.00578	.00768	-.00149	10.143	.00313
#2	.00237	.00511	.00877	-.00064	10.161	.00310
#3	.00217	.00383	.00580	-.00025	10.180	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.55993**	**.02174**	**.00166**	**.00992**	**.10515**
Stddev	.00677	.00032	.00125	.00139	.00061
%RSD	1.2088	1.4813	75.199	13.999	.57694
#1	.56421	.02208	.00164	.00877	.10526
#2	.56345	.02169	.00042	.01146	.10450
#3	.55213	.02144	.00292	.00952	.10570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1849.5**	**3547.0**	**54589.**	**5296.3**
Stddev	10.9	17.0	268.	27.1
%RSD	.58903	.48065	.49058	.51237
#1	1853.2	3552.6	54281.	5275.3
#2	1858.0	3560.6	54731.	5326.9
#3	1837.2	3527.9	54757.	5286.6

Sample Name: 180-130108-C-10-A Acquired: 11/24/2021 17:36:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.08586**	**.00144**	**.05795**	**.04560**	**-.00003**
Stddev	.00032	.00133	.00243	.00009	.00004	.00004
%RSD	235.49	1.5522	168.57	.15050	.09211	110.28
#1	.00045	.08684	.00083	.05789	.04556	-.00001
#2	-.00019	.08639	-.00062	.05791	.04562	-.00008
#3	.00015	.08434	.00413	.05805	.04563	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.933**	**.00122**	**.00043**	**.00029**	**.00346**	**.09809**
Stddev	.167	.00003	.00010	.00025	.00039	.00475
%RSD	.27015	2.3982	23.919	85.106	11.269	4.8421
#1	61.989	.00121	.00054	.00005	.00391	.10342
#2	62.065	.00120	.00034	.00028	.00331	.09430
#3	61.745	.00126	.00041	.00055	.00317	.09655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.3054**	**.01037**	**11.267**	**.02438**	**.00406**	**129.18**
Stddev	.0414	.00113	.053	.00030	.00006	.61
%RSD	.56711	10.857	.47462	1.2156	1.3818	.47542
#1	7.3405	.01058	11.270	.02449	.00400	129.31
#2	7.3160	.01138	11.320	.02460	.00408	129.71
#3	7.2597	.00916	11.213	.02404	.00411	128.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-10-A Acquired: 11/24/2021 17:36:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00063**	**.00247**	**.00169**	**4.7653**	**.00234**
Stddev	.00029	.00084	.00062	.00148	.0392	.00052
%RSD	253.00	133.51	24.992	87.463	.82320	22.453
#1	.00036	-.00031	.00241	.00312	4.7709	.00255
#2	.00020	.00131	.00312	.00017	4.8014	.00174
#3	-.00021	.00088	.00189	.00177	4.7236	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.62412**	**.00173**	**.00168**	**.00483**	**.00822**
Stddev	.00052	.00014	.00182	.00136	.00004
%RSD	.08271	8.2687	108.66	28.214	.49728
#1	.62465	.00172	.00010	.00623	.00820
#2	.62362	.00187	.00367	.00351	.00819
#3	.62409	.00159	.00126	.00476	.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1922.3**	**3600.7**	**55571.**	**5206.3**
Stddev	3.6	1.1	440.	30.8
%RSD	.18840	.02944	.79177	.59109
#1	1926.3	3601.5	55455.	5208.8
#2	1919.3	3599.5	55201.	5174.3
#3	1921.4	3601.2	56057.	5235.7

Sample Name: 180-130108-C-11-A Acquired: 11/24/2021 17:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.71027**	**.00227**	**.07993**	**.04057**	**.00005**
Stddev	.00028	.03817	.00082	.00062	.00009	.00013
%RSD	1596.9	5.3746	36.066	.78043	.21315	239.83
#1	.00031	.73132	.00305	.08030	.04062	.00007
#2	-.00021	.73329	.00141	.07921	.04062	-.00008
#3	-.00015	.66620	.00236	.08029	.04047	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.219**	**.00014**	**.00098**	**.00203**	**.00279**	**.59614**
Stddev	.107	.00014	.00020	.00022	.00032	.00493
%RSD	.20470	98.922	20.292	11.006	11.361	.82772
#1	52.335	.00003	.00116	.00178	.00264	.59298
#2	52.200	.00030	.00077	.00220	.00258	.60183
#3	52.124	.00010	.00100	.00212	.00316	.59362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8272**	**.01265**	**12.838**	**.02493**	**.00774**	**316.63**
Stddev	.0123	.00067	.024	.00006	.00030	3.35
%RSD	.32040	5.3107	.18650	.25105	3.8772	1.0589
#1	3.8186	.01198	12.817	.02492	.00748	320.10
#2	3.8216	.01266	12.832	.02500	.00766	316.36
#3	3.8412	.01332	12.864	.02488	.00807	313.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-11-A Acquired: 11/24/2021 17:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00146**	**.00215**	**-.00029**	**6.7725**	**.00235**
Stddev	.00095	.00147	.00205	.00144	.0237	.00039
%RSD	200.06	100.64	95.532	494.69	.35051	16.635
#1	.00155	-.00024	.00043	-.00069	6.7940	.00233
#2	.00009	.00236	.00442	.00131	6.7765	.00196
#3	-.00022	.00225	.00160	-.00149	6.7470	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.89301**	**.01333**	**.00097**	**.00816**	**.00811**
Stddev	.01005	.00008	.00074	.00334	.00008
%RSD	1.1257	.61614	76.617	40.937	1.0007
#1	.89548	.01340	.00011	.00955	.00806
#2	.90160	.01335	.00134	.00435	.00806
#3	.88196	.01324	.00144	.01058	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1831.5**	**3526.6**	**54177.**	**5179.5**
Stddev	4.7	5.5	114.	14.9
%RSD	.25829	.15641	.21011	.28789
#1	1833.4	3528.2	54188.	5164.9
#2	1826.1	3520.5	54059.	5178.9
#3	1835.0	3531.2	54286.	5194.7

Sample Name: 180-130108-C-12-A Acquired: 11/24/2021 17:46:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.01404**	**.00259**	**.09139**	**.07110**	**-.00009**
Stddev	.00043	.00483	.00317	.00007	.00036	.00005
%RSD	126.48	34.411	122.52	.07767	.50096	51.860
#1	-.00008	.01636	.00595	.09146	.07082	-.00015
#2	.00079	.00848	.00217	.09132	.07098	-.00008
#3	.00031	.01726	-.00035	.09138	.07150	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.928**	**.00008**	**.00065**	**-.00005**	**.00187**	**.06132**
Stddev	.117	.00012	.00039	.00033	.00046	.00216
%RSD	.16289	146.96	59.636	666.81	24.556	3.5170
#1	71.899	-.00003	.00099	.00022	.00240	.06140
#2	71.828	.00006	.00074	-.00042	.00168	.06343
#3	72.057	.00021	.00023	.00005	.00154	.05912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.000**	**.01261**	**11.967**	**.03526**	**.00526**	**104.59**
Stddev	.157	.00042	.044	.00020	.00015	.58
%RSD	.87205	3.3701	.36365	.56028	2.8150	.55683
#1	18.090	.01302	12.002	.03543	.00541	105.01
#2	17.819	.01217	11.918	.03504	.00523	103.92
#3	18.092	.01264	11.979	.03531	.00512	104.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-12-A Acquired: 11/24/2021 17:46:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00160**	**.00286**	**.00041**	**6.2854**	**.00285**
Stddev	.00050	.00154	.00157	.00214	.0249	.00077
%RSD	69.785	96.109	54.862	526.23	.39546	27.193
#1	.00020	-.00015	.00401	-.00129	6.3043	.00213
#2	.00076	.00219	.00107	-.00029	6.2572	.00367
#3	.00120	.00276	.00350	.00281	6.2946	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.68212**	**.00048**	**.00168**	**.00465**	**.00277**
Stddev	.00906	.00008	.00034	.00131	.00021
%RSD	1.3287	16.729	19.963	28.081	7.7184
#1	.67742	.00057	.00206	.00437	.00279
#2	.67637	.00047	.00157	.00608	.00297
#3	.69257	.00041	.00141	.00351	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.8**	**3600.4**	**55879.**	**5285.1**
Stddev	6.4	10.9	147.	35.9
%RSD	.33369	.30328	.26329	.67936
#1	1933.0	3611.6	55745.	5264.0
#2	1923.6	3599.8	56036.	5326.6
#3	1920.7	3589.8	55857.	5264.8

Sample Name: CCV 4546440 Acquired: 11/24/2021 17:50:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98098**	**23.815**	**.50617**	**2.0572**	**1.9762**	**1.9489**
Stddev	.00238	.053	.00415	.0013	.0027	.0087
%RSD	.24257	.22151	.81991	.06217	.13646	.44862
#1	.98184	23.763	.50346	2.0574	1.9734	1.9473
#2	.97829	23.868	.50410	2.0559	1.9764	1.9411
#3	.98281	23.812	.51095	2.0584	1.9788	1.9583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.883**	**.50049**	**1.9892**	**1.8548**	**1.9980**	**23.717**
Stddev	.049	.00094	.0055	.0044	.0103	.131
%RSD	.10435	.18763	.27786	.23875	.51395	.55236
#1	46.827	.50073	1.9921	1.8503	2.0070	23.640
#2	46.901	.49946	1.9828	1.8548	1.9868	23.643
#3	46.920	.50129	1.9927	1.8592	2.0003	23.868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.50**	**2.0702**	**45.435**	**1.8485**	**1.9635**	**112.54**
Stddev	.48	.0041	.115	.0056	.0052	.48
%RSD	.41067	.19881	.25248	.30291	.26286	.42681
#1	117.48	2.0654	45.349	1.8480	1.9617	112.30
#2	117.02	2.0729	45.390	1.8431	1.9596	112.22
#3	117.98	2.0721	45.565	1.8543	1.9694	113.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 17:50:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9693**	**.48174**	**.51594**	**.50427**	**1.8725**	**1.8773**
Stddev	.0046	.00406	.00175	.00548	.0067	.0028
%RSD	.23320	.84175	.33939	1.0858	.35720	.14757
#1	1.9696	.48631	.51609	.49795	1.8655	1.8782
#2	1.9645	.47857	.51412	.50721	1.8731	1.8741
#3	1.9737	.48035	.51761	.50764	1.8788	1.8794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8659**	**1.9441**	**.95562**	**1.9470**	**1.8557**
Stddev	.0062	.0018	.00580	.0033	.0066
%RSD	.32943	.09273	.60726	.16933	.35421
#1	1.8634	1.9449	.95282	1.9500	1.8552
#2	1.8615	1.9420	.95175	1.9476	1.8494
#3	1.8729	1.9453	.96229	1.9435	1.8625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1835.5**	**3587.9**	**55491.**	**5236.4**
Stddev	4.6	5.8	204.	15.5
%RSD	.25229	.16133	.36768	.29651
#1	1830.9	3582.8	55408.	5225.4
#2	1840.1	3594.2	55723.	5254.2
#3	1835.4	3586.8	55341.	5229.7

Sample Name: CCB14 Acquired: 11/24/2021 17:55:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00166**	**.00151**	**.00130**	**.00006**	**-.00001**
Stddev	.00034	.00164	.00072	.00010	.00018	.00012
%RSD	260.82	98.623	47.933	7.3157	272.22	1719.4
#1	-.00026	-.00243	.00068	.00123	-.00013	.00011
#2	.00036	-.00277	.00202	.00141	.00021	-.00013
#3	.00029	.00022	.00182	.00127	.00012	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00720**	**.00003**	**.00003**	**.00032**	**.00107**	**.00236**
Stddev	.00098	.00005	.00006	.00046	.00010	.00109
%RSD	13.656	167.64	218.68	144.36	9.6338	46.078
#1	-.00762	-.00003	-.00003	.00084	.00098	.00125
#2	-.00608	.00007	.00002	.00015	.00119	.00241
#3	-.00791	.00005	.00009	-.00004	.00105	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37577**	**.00430**	**-.01084**	**.00002**	**.00866**	**1.1400**
Stddev	.02339	.00097	.01064	.00003	.00131	.0117
%RSD	6.2258	22.492	98.130	135.30	15.180	1.0299
#1	.40130	.00535	-.00013	.00004	.01006	1.1448
#2	.35535	.00345	-.02141	-.00001	.00845	1.1486
#3	.37067	.00409	-.01098	.00003	.00746	1.1266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB14 Acquired: 11/24/2021 17:55:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00051**	**.00038**	**.00026**	**-.00211**	**.00178**
Stddev	.00033	.00013	.00128	.00116	.00606	.00052
%RSD	40.400	25.711	332.94	447.51	287.42	29.168
#1	-.00081	-.00038	-.00032	-.00043	-.00571	.00234
#2	-.00115	-.00064	-.00039	-.00039	-.00550	.00169
#3	-.00049	-.00049	.00186	.00160	.00489	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00015**	**.00009**	**.00297**	**.00003**
Stddev	.00126	.00008	.00091	.00191	.00011
%RSD	2299.7	52.764	985.66	64.260	335.58
#1	.00117	.00012	.00093	.00085	.00008
#2	-.00131	.00008	.00021	.00351	-.00009
#3	.00031	.00023	-.00087	.00456	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2191.5**	**3822.4**	**59575.**	**5350.8**
Stddev	3.2	3.2	261.	18.5
%RSD	.14705	.08400	.43825	.34507
#1	2192.9	3826.1	59866.	5333.1
#2	2187.8	3820.2	59500.	5369.9
#3	2193.8	3820.9	59360.	5349.4

Sample Name: 180-130115-A-2-A Acquired: 11/24/2021 17:59:55 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.12374**	**.01677**	**1.1080**	**.28721**	**.00002**
Stddev	.00011	.02428	.00303	.0022	.00054	.00012
%RSD	30.537	19.618	18.060	.19902	.18804	768.69
#1	.00048	.10848	.01957	1.1105	.28770	-.00011
#2	.00035	.11102	.01719	1.1063	.28663	.00003
#3	.00026	.15174	.01356	1.1071	.28730	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**257.33**	**.00022**	**-.00004**	**.00160**	**.00315**	**.75828**
Stddev	.98	.00005	.00023	.00034	.00053	.00600
%RSD	.38153	24.899	626.06	21.234	16.895	.79122
#1	258.46	.00018	.00008	.00121	.00258	.75616
#2	256.71	.00019	-.00030	.00174	.00324	.76505
#3	256.81	.00028	.00011	.00184	.00363	.75363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1316**	**.01636**	**38.187**	**.28507**	**.06445**	**34.127**
Stddev	.0539	.00090	.043	.00037	.00056	.198
%RSD	.87939	5.5181	.11228	.12976	.86857	.57963
#1	6.0824	.01542	38.234	.28465	.06506	33.908
#2	6.1231	.01722	38.149	.28532	.06396	34.293
#3	6.1892	.01645	38.178	.28524	.06434	34.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130115-A-2-A Acquired: 11/24/2021 17:59:55 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00480**	**.00272**	**-.00079**	F **26.061**	**.00315**
Stddev	.00052	.00054	.00124	.00082	.138	.00046
%RSD	23.879	11.193	45.586	103.65	.52869	14.555
#1	.00189	.00425	.00411	-.00132	25.903	.00362
#2	.00189	.00481	.00170	.00015	26.156	.00314
#3	.00280	.00533	.00236	-.00121	26.123	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					25.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.86894**	**.00544**	**.00078**	**.00879**	**.05242**
Stddev	.00914	.00009	.00225	.00214	.00021
%RSD	1.0522	1.7141	289.82	24.361	.39612
#1	.86366	.00553	-.00152	.01093	.05238
#2	.87950	.00535	.00297	.00878	.05265
#3	.86366	.00546	.00088	.00665	.05224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1877.4**	**3515.3**	**55437.**	**5224.1**
Stddev	6.1	6.8	137.	16.1
%RSD	.32694	.19379	.24668	.30849
#1	1873.0	3507.5	55573.	5207.2
#2	1874.9	3519.9	55440.	5225.7
#3	1884.4	3518.5	55299.	5239.3

Sample Name: 180-130133-E-1-A Acquired: 11/24/2021 18:04:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.72137**	**.00292**	**.06544**	**.07164**	**.00001**
Stddev	.00033	.02568	.00082	.00162	.00020	.00007
%RSD	124.14	3.5603	28.005	2.4744	.27487	915.88
#1	.00007	.70754	.00385	.06685	.07186	.00001
#2	.00065	.70556	.00264	.06367	.07159	-.00007
#3	.00008	.75100	.00229	.06579	.07148	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**84.504**	**.00106**	**.00254**	**.31744**	**.00664**	**1.5540**
Stddev	.263	.00001	.00024	.00840	.00084	.0157
%RSD	.31143	1.2644	9.5681	2.6477	12.710	1.0080
#1	84.707	.00108	.00237	.31001	.00710	1.5490
#2	84.207	.00105	.00243	.31574	.00715	1.5414
#3	84.599	.00105	.00282	.32656	.00567	1.5715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7560**	**.02450**	**3.4080**	**.16852**	**.06486**	F **1113.0**
Stddev	.0213	.00129	.0426	.00400	.00097	8.9
%RSD	.31535	5.2641	1.2490	2.3735	1.4972	.79939
#1	6.7381	.02315	3.4108	.16574	.06583	1121.5
#2	6.7503	.02464	3.3641	.16672	.06389	1113.7
#3	6.7796	.02571	3.4491	.17310	.06487	1103.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130133-E-1-A Acquired: 11/24/2021 18:04:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00494**	**.00517**	**-.00247**	**4.1874**	**.00274**
Stddev	.00033	.00122	.00097	.00095	.0239	.00159
%RSD	10.005	24.785	18.768	38.415	.57100	57.970
#1	.00360	.00583	.00555	-.00141	4.1720	.00164
#2	.00324	.00354	.00406	-.00324	4.1753	.00456
#3	.00295	.00545	.00588	-.00276	4.2149	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61056**	**.02030**	**.00125**	**.02622**	**.21425**
Stddev	.01084	.00075	.00070	.00355	.00314
%RSD	1.7759	3.6865	55.914	13.553	1.4652
#1	.61256	.01964	.00101	.02544	.21769
#2	.59885	.02111	.00204	.03010	.21155
#3	.62026	.02014	.00071	.02313	.21351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1649.6**	**3367.4**	**50098.**	**5073.0**
Stddev	18.7	32.9	1102.	23.3
%RSD	1.1360	.97808	2.1996	.45979
#1	1628.5	3333.9	50951.	5048.3
#2	1664.4	3399.8	50488.	5094.7
#3	1655.8	3368.4	48853.	5076.0

Sample Name: 180-130153-D-1-A Acquired: 11/24/2021 18:09:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01831**	**.13032**	**.00054**	**.21500**	**.02386**	**.00004**
Stddev	.00024	.02040	.00327	.00076	.00032	.00006
%RSD	1.3000	15.655	606.69	.35121	1.3327	136.33
#1	.01810	.14626	-.00226	.21447	.02408	.00005
#2	.01857	.10733	.00413	.21466	.02400	-.00002
#3	.01828	.13738	-.00025	.21587	.02349	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.495**	**.00041**	**.00126**	**.00351**	**.18371**	**.57222**
Stddev	.026	.00001	.00020	.00049	.00040	.00204
%RSD	.09674	3.2511	16.051	13.914	.21715	.35734
#1	26.524	.00042	.00126	.00402	.18336	.57034
#2	26.482	.00042	.00105	.00304	.18415	.57440
#3	26.478	.00040	.00145	.00349	.18362	.57191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.311**	**.00904**	**5.0714**	**.01775**	**.00469**	**76.221**
Stddev	.118	.00122	.0168	.00013	.00032	.096
%RSD	.17477	13.466	.33095	.74563	6.7184	.12531
#1	67.307	.00861	5.0658	.01760	.00476	76.209
#2	67.195	.00809	5.0582	.01778	.00497	76.131
#3	67.430	.01041	5.0903	.01786	.00435	76.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-1-A Acquired: 11/24/2021 18:09:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.00850**	**.00402**	**-.00034**	**2.5979**	**.00741**
Stddev	.00021	.00373	.00089	.00157	.0104	.00050
%RSD	1.9340	43.918	22.220	467.32	.40149	6.7540
#1	.01098	.00629	.00487	-.00211	2.5888	.00768
#2	.01087	.00641	.00309	.00022	2.5957	.00772
#3	.01057	.01282	.00411	.00088	2.6093	.00683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06856**	**.00192**	**.00087**	**.00237**	**.04663**
Stddev	.00134	.00013	.00073	.00341	.00017
%RSD	1.9520	6.6813	83.863	143.81	.37417
#1	.06718	.00188	.00075	-.00021	.04679
#2	.06864	.00182	.00021	.00624	.04645
#3	.06985	.00206	.00166	.00108	.04667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1913.5**	**3589.6**	**55291.**	**5096.0**
Stddev	5.1	11.7	352.	17.9
%RSD	.26771	.32568	.63698	.35208
#1	1919.0	3599.6	55697.	5086.0
#2	1912.7	3592.5	55087.	5116.7
#3	1908.9	3576.7	55087.	5085.4

Sample Name: 180-130153-D-2-A Acquired: 11/24/2021 18:13:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.04805**	**.00250**	**.10934**	**.02323**	**-.00005**
Stddev	.00045	.00952	.00152	.00073	.00008	.00007
%RSD	12.872	19.812	61.027	.66445	.34267	152.98
#1	.00386	.05070	.00077	.10903	.02332	-.00004
#2	.00362	.03748	.00309	.10882	.02319	-.00013
#3	.00299	.05596	.00364	.11017	.02318	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.731**	**.00009**	**.00046**	**.00142**	**.21456**	**.15944**
Stddev	.077	.00004	.00030	.00046	.00102	.00472
%RSD	.29953	45.982	65.413	32.241	.47572	2.9584
#1	25.670	.00008	.00031	.00154	.21411	.15816
#2	25.818	.00006	.00080	.00180	.21573	.16466
#3	25.705	.00014	.00026	.00091	.21385	.15549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.429**	**.00757**	**5.0122**	**.01239**	**.00258**	**82.534**
Stddev	.317	.00036	.0249	.00010	.00005	.228
%RSD	.40427	4.7263	.49591	.82722	1.9874	.27654
#1	78.254	.00760	5.0405	.01250	.00256	82.324
#2	78.795	.00791	4.9942	.01238	.00255	82.777
#3	78.237	.00720	5.0018	.01229	.00264	82.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-2-A Acquired: 11/24/2021 18:13:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**.00305**	**.00393**	**.00059**	**2.5096**	**.00306**
Stddev	.00035	.00166	.00088	.00181	.0252	.00060
%RSD	4.5375	54.276	22.447	307.50	1.0047	19.738
#1	.00799	.00297	.00387	-.00101	2.5065	.00274
#2	.00760	.00144	.00307	.00256	2.4861	.00376
#3	.00730	.00475	.00483	.00022	2.5362	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.07047**	**.00098**	**.00003**	**.00366**	**.04930**
Stddev	.00453	.00024	.00087	.00309	.00010
%RSD	6.4225	24.158	2801.3	84.460	.19776
#1	.07559	.00125	.00069	.00456	.04932
#2	.06883	.00081	-.00095	.00621	.04920
#3	.06699	.00089	.00036	.00022	.04939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1931.0**	**3594.9**	**56276.**	**5247.7**
Stddev	4.6	3.2	71.	10.6
%RSD	.23603	.08865	.12682	.20278
#1	1927.8	3596.7	56282.	5255.1
#2	1936.2	3596.8	56202.	5235.5
#3	1929.0	3591.2	56344.	5252.5

Sample Name: 180-130153-D-3-A Acquired: 11/24/2021 18:18:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40817**	**2.5147**	**.00349**	**5.3872**	**.02143**	**.00003**
Stddev	.00146	.0101	.00121	.1173	.00012	.00008
%RSD	.35869	.40091	34.643	2.1782	.54312	268.87
#1	.40965	2.5262	.00351	5.3103	.02154	-.00006
#2	.40672	2.5072	.00227	5.5222	.02144	.00009
#3	.40813	2.5108	.00468	5.3289	.02131	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.691**	**.00021**	**.00090**	**.00750**	**.12045**	**5.1567**
Stddev	.127	.00010	.00021	.00048	.00056	.0244
%RSD	.56097	47.169	22.994	6.4119	.46447	.47345
#1	22.838	.00032	.00090	.00695	.12109	5.1534
#2	22.607	.00014	.00069	.00784	.12006	5.1341
#3	22.629	.00016	.00110	.00770	.12019	5.1826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**292.72**	**.00533**	**3.8589**	**.08456**	**.00160**	**97.334**
Stddev	.97	.00161	.0419	.00020	.00010	.466
%RSD	.33256	30.250	1.0863	.23528	6.3011	.47894
#1	293.38	.00524	3.9015	.08477	.00154	97.634
#2	291.60	.00377	3.8177	.08453	.00172	96.797
#3	293.18	.00700	3.8574	.08438	.00155	97.570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-3-A Acquired: 11/24/2021 18:18:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.02473**	**.00358**	**-.00059**	**2.2398**	**.00350**
Stddev	.00017	.00135	.00058	.00306	.0120	.00045
%RSD	5.3323	5.4795	16.091	516.30	.53473	12.750
#1	.00332	.02385	.00356	.00287	2.2522	.00379
#2	.00301	.02404	.00302	-.00169	2.2283	.00371
#3	.00306	.02629	.00417	-.00296	2.2388	.00298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06051**	**.00030**	**.00203**	**.00260**	**.02751**
Stddev	.00682	.00015	.00219	.00170	.00046
%RSD	11.271	48.685	107.85	65.459	1.6829
#1	.05917	.00016	-.00028	.00432	.02727
#2	.05447	.00029	.00231	.00092	.02804
#3	.06791	.00045	.00407	.00256	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1825.0**	**3504.8**	**54742.**	**5196.7**
Stddev	36.3	65.4	91.	40.1
%RSD	1.9877	1.8651	.16677	.77076
#1	1849.1	3546.2	54644.	5151.2
#2	1783.3	3429.4	54755.	5226.7
#3	1842.7	3538.7	54825.	5212.2

Sample Name: 180-130153-D-4-A Acquired: 11/24/2021 18:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07807**	**.60861**	**.00136**	**1.2324**	**.02473**	**.00006**
Stddev	.00071	.01529	.00180	.0027	.00013	.00007
%RSD	.90932	2.5123	132.27	.22198	.54460	110.84
#1	.07778	.59097	-.00049	1.2327	.02468	.00006
#2	.07887	.61678	.00147	1.2350	.02462	.00013
#3	.07755	.61809	.00309	1.2296	.02488	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.958**	**.00046**	**.00073**	**.00453**	**.20220**	**1.5040**
Stddev	.092	.00007	.00019	.00028	.00194	.0118
%RSD	.36874	14.436	25.868	6.1036	.96000	.78148
#1	25.064	.00047	.00052	.00461	.20106	1.5151
#2	24.895	.00038	.00077	.00476	.20444	1.4917
#3	24.915	.00051	.00090	.00422	.20109	1.5050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.38**	**.00707**	**4.7570**	**.03707**	**.00186**	**80.242**
Stddev	.20	.00198	.0683	.00006	.00033	.110
%RSD	.15626	28.011	1.4347	.17294	17.793	.13764
#1	127.47	.00906	4.8358	.03704	.00148	80.254
#2	127.15	.00510	4.7189	.03714	.00201	80.126
#3	127.51	.00707	4.7163	.03702	.00209	80.346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-4-A Acquired: 11/24/2021 18:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**.00972**	**.00371**	**-.00021**	**2.3866**	**.00588**
Stddev	.00011	.00188	.00143	.00231	.0199	.00044
%RSD	1.5967	19.297	38.519	1116.4	.83389	7.4084
#1	.00731	.00795	.00207	.00211	2.3644	.00631
#2	.00722	.00953	.00441	-.00022	2.4030	.00544
#3	.00708	.01168	.00466	-.00251	2.3924	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06627**	**.01479**	**.00045**	**-.00067**	**.07817**
Stddev	.00402	.00039	.00133	.00479	.00037
%RSD	6.0721	2.6636	297.51	717.71	.47967
#1	.06926	.01512	-.00094	-.00127	.07801
#2	.06169	.01436	.00170	.00440	.07860
#3	.06786	.01489	.00057	-.00513	.07790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1891.7**	**3572.9**	**54882.**	**5101.2**
Stddev	.4	4.7	146.	9.1
%RSD	.02378	.13103	.26607	.17877
#1	1891.2	3571.6	54892.	5091.6
#2	1891.9	3569.1	54731.	5102.4
#3	1892.1	3578.2	55022.	5109.8

Sample Name: 180-130155-B-1-A Acquired: 11/24/2021 18:27:49 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.14056**	**-.00074**	**.01886**	**.02502**	**-.00004**
Stddev	.00046	.02798	.00049	.00076	.00016	.00008
%RSD	342.15	19.909	66.121	4.0326	.62820	205.73
#1	-.00027	.10850	-.00018	.01889	.02516	-.00011
#2	.00063	.16011	-.00105	.01960	.02505	-.00004
#3	.00004	.15306	-.00098	.01808	.02485	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6926**	**.00013**	**.00037**	**.00165**	**.00701**	**.43754**
Stddev	.0247	.00004	.00009	.00024	.00013	.00419
%RSD	.43351	28.809	23.428	14.698	1.8148	.95722
#1	5.7184	.00009	.00042	.00149	.00687	.44147
#2	5.6901	.00016	.00027	.00153	.00703	.43802
#3	5.6692	.00013	.00041	.00193	.00712	.43314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72717**	**.00176**	**.34155**	**.03733**	**.00437**	**2.5870**
Stddev	.01499	.00070	.02042	.00016	.00010	.0219
%RSD	2.0617	39.982	5.9791	.42948	2.2080	.84675
#1	.71002	.00155	.34241	.03727	.00435	2.5945
#2	.73780	.00118	.32071	.03722	.00429	2.6042
#3	.73368	.00254	.36153	.03752	.00448	2.5624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130155-B-1-A Acquired: 11/24/2021 18:27:49 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**.00048**	**.00271**	**-.00458**	**.49295**	**.00235**
Stddev	.00046	.00086	.00164	.00151	.01753	.00018
%RSD	7.5836	178.15	60.684	33.039	3.5564	7.5500
#1	.00588	-.00051	.00416	-.00325	.48774	.00223
#2	.00651	.00092	.00304	-.00426	.51249	.00226
#3	.00562	.00104	.00092	-.00622	.47861	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01092**	**.00254**	**.00195**	**.00077**	**.25778**
Stddev	.00582	.00023	.00068	.00186	.00162
%RSD	53.291	8.8533	34.608	240.28	.62673
#1	.01254	.00268	.00207	-.00050	.25657
#2	.00446	.00266	.00257	-.00009	.25962
#3	.01576	.00228	.00123	.00291	.25716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2169.4**	**3776.0**	**59217.**	**5254.2**
Stddev	7.9	21.8	197.	27.5
%RSD	.36317	.57823	.33262	.52320
#1	2175.5	3789.1	59444.	5227.8
#2	2160.5	3750.8	59108.	5252.0
#3	2172.0	3788.1	59099.	5282.7

Sample Name: 180-130208-B-5-A Acquired: 11/24/2021 18:32:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.05785**	**.00074**	**.07399**	**.05364**	**-.00004**
Stddev	.00012	.00433	.00090	.00070	.00034	.00003
%RSD	469.25	7.4835	121.38	.94700	.63501	80.545
#1	-.00001	.05738	.00177	.07475	.05354	-.00005
#2	-.00007	.05378	.00036	.07383	.05337	-.00007
#3	.00016	.06240	.00009	.07338	.05402	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.417**	**.00013**	**.00016**	**.00013**	**.00194**	**.06887**
Stddev	.102	.00013	.00025	.00016	.00084	.00060
%RSD	.18097	101.56	151.74	118.87	43.297	.87155
#1	56.531	.00018	.00029	.00019	.00154	.06915
#2	56.333	-.00002	-.00012	-.00005	.00290	.06819
#3	56.387	.00022	.00032	.00026	.00137	.06928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7998**	**.00663**	**8.6475**	**.07122**	**.00686**	**37.493**
Stddev	.0124	.00108	.0203	.00042	.00021	.051
%RSD	.32631	16.252	.23457	.58774	3.0928	.13549
#1	3.8094	.00759	8.6310	.07083	.00664	37.439
#2	3.8041	.00547	8.6413	.07167	.00688	37.499
#3	3.7858	.00684	8.6701	.07116	.00706	37.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130208-B-5-A Acquired: 11/24/2021 18:32:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00148**	**.00154**	**-.00381**	**3.3506**	**.00177**
Stddev	.00044	.00066	.00239	.00243	.0075	.00049
%RSD	160.86	44.642	154.88	63.737	.22354	27.704
#1	-.00049	.00190	.00388	-.00134	3.3590	.00129
#2	.00023	.00072	.00165	-.00390	3.3447	.00175
#3	-.00058	.00183	-.00090	-.00620	3.3481	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19080**	**.00683**	**.00247**	**.00067**	**.00665**
Stddev	.00854	.00030	.00068	.00284	.00017
%RSD	4.4736	4.3262	27.510	425.33	2.6225
#1	.19021	.00666	.00169	-.00217	.00677
#2	.18258	.00717	.00288	.00351	.00645
#3	.19962	.00665	.00285	.00066	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2015.4**	**3655.9**	**56493.**	**5160.7**
Stddev	7.5	14.9	189.	13.5
%RSD	.37039	.40643	.33428	.26073
#1	2012.2	3647.9	56710.	5166.4
#2	2023.9	3673.0	56364.	5145.3
#3	2010.0	3646.7	56406.	5170.3

Sample Name: 180-130208-D-7-A Acquired: 11/24/2021 18:37:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.21789**	**.00193**	**.13299**	**.00180**	**-.00004**
Stddev	.00016	.01225	.00082	.00015	.00015	.00005
%RSD	129.16	5.6201	42.270	.11149	8.1777	109.66
#1	.00023	.21842	.00268	.13311	.00172	-.00009
#2	.00019	.20539	.00106	.13303	.00197	-.00004
#3	-.00006	.22987	.00205	.13283	.00170	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**286.76**	**.00030**	**.00063**	**.00017**	**.00330**	**.00687**
Stddev	.54	.00008	.00029	.00036	.00108	.00262
%RSD	.18745	27.265	46.750	206.64	32.731	38.082
#1	286.99	.00034	.00051	-.00022	.00342	.00440
#2	286.14	.00021	.00096	.00049	.00431	.00961
#3	287.14	.00036	.00041	.00025	.00216	.00660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.158**	**.01310**	**11.070**	**.00356**	**.09080**	**100.79**
Stddev	.093	.00027	.020	.00007	.00089	.08
%RSD	.43873	2.0521	.17933	2.1013	.97708	.07479
#1	21.201	.01328	11.050	.00359	.08988	100.77
#2	21.051	.01323	11.071	.00348	.09088	100.87
#3	21.221	.01279	11.089	.00362	.09165	100.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130208-D-7-A Acquired: 11/24/2021 18:37:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**.00143**	**.00322**	**.00192**	**1.0742**	**.00314**
Stddev	.00055	.00081	.00270	.00072	.0190	.00033
%RSD	12.391	56.463	83.863	37.385	1.7709	10.507
#1	.00511	.00167	.00431	.00270	1.0586	.00341
#2	.00419	.00053	.00015	.00129	1.0954	.00277
#3	.00411	.00210	.00521	.00176	1.0686	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.51349**	**.16222**	**.00152**	**.02291**	**.00172**
Stddev	.00478	.00040	.00138	.00388	.00004
%RSD	.93014	.24653	90.630	16.942	2.5152
#1	.51723	.16196	.00311	.02736	.00175
#2	.50811	.16202	.00082	.02111	.00173
#3	.51512	.16268	.00064	.02025	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1818.1**	**3467.9**	**53814.**	**5097.7**
Stddev	2.6	3.9	229.	12.3
%RSD	.14478	.11191	.42505	.24042
#1	1820.9	3471.9	54011.	5111.8
#2	1817.9	3467.5	53563.	5090.3
#3	1815.6	3464.2	53867.	5090.9

Sample Name: CCV 4546440 Acquired: 11/24/2021 18:41:47 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98724**	**23.879**	**.50470**	**2.0404**	**1.9805**	**1.9592**
Stddev	.00555	.212	.00146	.0046	.0044	.0082
%RSD	.56244	.88593	.29016	.22384	.22326	.41888
#1	.98083	23.635	.50511	2.0449	1.9768	1.9544
#2	.99027	23.995	.50591	2.0358	1.9792	1.9546
#3	.99063	24.008	.50307	2.0405	1.9854	1.9687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.339**	**.50025**	**2.0051**	**1.8803**	**1.9898**	**23.850**
Stddev	.180	.00039	.0026	.0059	.0099	.142
%RSD	.38112	.07768	.13190	.31338	.49676	.59733
#1	47.146	.50001	2.0021	1.8736	1.9792	23.748
#2	47.504	.50005	2.0072	1.8831	1.9914	23.789
#3	47.367	.50070	2.0059	1.8843	1.9988	24.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.36**	**2.0698**	**45.936**	**1.8733**	**1.9581**	**116.79**
Stddev	.76	.0062	.225	.0092	.0036	.82
%RSD	.64289	.30133	.48984	.49113	.18496	.70309
#1	118.07	2.0649	45.677	1.8637	1.9550	116.47
#2	117.78	2.0676	46.046	1.8743	1.9571	116.17
#3	119.22	2.0768	46.086	1.8820	1.9621	117.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 18:41:47 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9858**	**.48676**	**.50872**	**.49990**	**1.8856**	**1.8842**
Stddev	.0014	.00315	.00030	.00121	.0208	.0013
%RSD	.07062	.64741	.05852	.24201	1.1014	.06683
#1	1.9844	.48652	.50844	.50114	1.8617	1.8836
#2	1.9872	.48374	.50903	.49984	1.8965	1.8857
#3	1.9859	.49003	.50869	.49872	1.8987	1.8834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8913**	**1.9514**	**.96249**	**1.9580**	**1.8776**
Stddev	.0169	.0024	.00320	.0090	.0030
%RSD	.89159	.12059	.33287	.46151	.15982
#1	1.8758	1.9488	.95880	1.9484	1.8744
#2	1.8888	1.9519	.96458	1.9594	1.8803
#3	1.9092	1.9534	.96408	1.9663	1.8782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.8**	**3585.3**	**54578.**	**5116.0**
Stddev	2.3	9.3	333.	30.4
%RSD	.12386	.26014	.60970	.59374
#1	1820.0	3577.3	54914.	5150.9
#2	1819.1	3583.1	54572.	5095.8
#3	1823.4	3595.6	54248.	5101.2

Sample Name: CCB15 Acquired: 11/24/2021 18:46:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.03013**	**-.00094**	**.00221**	**.00010**	**.00008**
Stddev	.00018	.01176	.00160	.00043	.00002	.00013
%RSD	45.672	39.022	171.23	19.252	18.873	168.17
#1	.00041	-.04353	.00045	.00260	.00010	.00012
#2	.00020	-.02152	-.00269	.00175	.00012	-.00007
#3	.00055	-.02535	-.00057	.00229	.00008	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.00004**	**-.00010**	**.00047**	**.00072**	**-.00017**
Stddev	.00256	.00002	.00007	.00010	.00051	.00122
%RSD	211.46	50.427	69.718	22.345	71.724	719.14
#1	-.00341	.00006	-.00009	.00056	.00122	.00078
#2	-.00181	.00005	-.00004	.00036	.00019	-.00155
#3	.00160	.00002	-.00018	.00048	.00074	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31400**	**.00301**	**-.01152**	**-.00001**	**.00900**	**.77060**
Stddev	.00378	.00116	.03113	.00003	.00119	.00681
%RSD	1.2034	38.399	270.16	207.77	13.268	.88368
#1	.31681	.00269	.01875	.00000	.01016	.77530
#2	.31548	.00429	-.00986	-.00005	.00906	.76279
#3	.30970	.00205	-.04345	.00000	.00778	.77371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB15 Acquired: 11/24/2021 18:46:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00115**	**.00108**	**.00209**	**-.00676**	**.00106**
Stddev	.00034	.00128	.00048	.00005	.01770	.00051
%RSD	65.724	110.93	44.286	2.3973	261.70	48.121
#1	-.00022	-.00100	.00055	.00213	.01366	.00053
#2	-.00088	.00004	.00120	.00210	-.01758	.00155
#3	-.00043	-.00250	.00149	.00203	-.01637	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00317**	**.00022**	**.00150**	**.00142**	**-.00005**
Stddev	.00266	.00012	.00011	.00365	.00003
%RSD	84.013	53.032	7.1276	257.38	70.111
#1	-.00160	.00012	.00138	.00322	-.00009
#2	-.00166	.00020	.00154	.00381	-.00004
#3	-.00625	.00035	.00159	-.00278	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2173.0**	**3810.0**	**59133.**	**5234.0**
Stddev	12.1	19.5	135.	29.3
%RSD	.55754	.51126	.22827	.56018
#1	2183.0	3829.2	58988.	5261.5
#2	2159.5	3790.2	59156.	5203.1
#3	2176.4	3810.7	59255.	5237.5

Sample Name: 180-130247-D-1-A Acquired: 11/24/2021 18:50:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.30123**	**.00121**	**.00517**	**.00589**	**.00000**
Stddev	.00027	.02366	.00042	.00045	.00031	.00002
%RSD	162.77	7.8538	34.911	8.7850	5.2457	380.58
#1	-.00009	.32140	.00077	.00470	.00558	.00002
#2	.00045	.27519	.00125	.00521	.00620	-.00001
#3	.00014	.30709	.00161	.00561	.00590	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7172**	**.00002**	**.00012**	**.00036**	**.00310**	**.02358**
Stddev	.0034	.00004	.00026	.00010	.00093	.00442
%RSD	.19642	160.11	210.56	26.780	30.071	18.738
#1	1.7133	.00000	.00023	.00025	.00304	.01849
#2	1.7186	-.00000	.00032	.00039	.00220	.02642
#3	1.7196	.00007	-.00017	.00043	.00406	.02583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22670**	**.00100**	**.10940**	**.00636**	**.00277**	**3.9476**
Stddev	.01299	.00191	.02289	.00002	.00012	.0193
%RSD	5.7280	191.91	20.918	.31728	4.4456	.48805
#1	.24089	-.00033	.13529	.00634	.00290	3.9274
#2	.21540	.00013	.09184	.00638	.00266	3.9496
#3	.22381	.00319	.10109	.00635	.00276	3.9658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-1-A Acquired: 11/24/2021 18:50:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00009**	**.00214**	**-.00568**	**.08790**	**.00241**
Stddev	.00008	.00007	.00033	.00134	.00826	.00018
%RSD	14.059	82.608	15.490	23.613	9.4004	7.5406
#1	-.00062	-.00011	.00248	-.00534	.07988	.00221
#2	-.00047	-.00001	.00213	-.00455	.09639	.00249
#3	-.00051	-.00014	.00182	-.00716	.08744	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00455**	**.00052**	**.00080**	**.00325**	**.01919**
Stddev	.00140	.00019	.00084	.00402	.00004
%RSD	30.785	36.654	104.82	123.42	.20450
#1	.00610	.00035	-.00004	-.00070	.01917
#2	.00339	.00073	.00080	.00313	.01917
#3	.00416	.00049	.00163	.00733	.01923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2192.4**	**3833.4**	**59326.**	**5289.3**
Stddev	6.4	6.8	137.	30.5
%RSD	.29122	.17645	.23084	.57582
#1	2197.0	3841.0	59469.	5301.8
#2	2195.1	3831.2	59196.	5254.5
#3	2185.1	3828.0	59314.	5311.5

Sample Name: 180-130247-D-2-A Acquired: 11/24/2021 18:55:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.41224**	**.00131**	**.03226**	**.02828**	**-.00004**
Stddev	.00016	.00857	.00114	.00020	.00027	.00016
%RSD	77.802	2.0794	86.832	.63349	.93781	378.88
#1	.00006	.41983	.00117	.03217	.02797	-.00021
#2	.00019	.41394	.00251	.03249	.02839	-.00000
#3	.00038	.40294	.00025	.03211	.02846	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.117**	**.00010**	**.00077**	**.00228**	**.00840**	**.52817**
Stddev	.090	.00007	.00017	.00039	.00016	.00504
%RSD	.63657	76.046	21.603	17.304	1.9106	.95491
#1	14.027	.00007	.00093	.00273	.00852	.52235
#2	14.117	.00004	.00060	.00203	.00847	.53079
#3	14.207	.00018	.00077	.00207	.00822	.53137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9024**	**.00269**	**1.0431**	**.06785**	**.00222**	**42.273**
Stddev	.0148	.00106	.0114	.00035	.00010	.228
%RSD	.77696	39.346	1.0911	.51321	4.5637	.53845
#1	1.9174	.00171	1.0536	.06754	.00224	42.160
#2	1.9021	.00382	1.0310	.06823	.00230	42.125
#3	1.8878	.00256	1.0446	.06779	.00211	42.535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-2-A Acquired: 11/24/2021 18:55:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00313**	**.00382**	**-.00289**	**2.0364**	**.00261**
Stddev	.00027	.00146	.00136	.00164	.0342	.00058
%RSD	69.158	46.619	35.480	56.840	1.6776	22.076
#1	.00065	.00450	.00231	-.00338	2.0370	.00219
#2	.00043	.00160	.00422	-.00106	2.0019	.00236
#3	.00011	.00329	.00493	-.00424	2.0703	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04307**	**.00454**	**.00113**	**.00482**	**.07778**
Stddev	.00109	.00020	.00105	.00241	.00031
%RSD	2.5213	4.3597	93.498	50.069	.39988
#1	.04356	.00443	.00170	.00203	.07800
#2	.04383	.00476	.00177	.00625	.07792
#3	.04183	.00441	-.00009	.00618	.07743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2071.9**	**3757.9**	**57767.**	**5264.2**
Stddev	2.0	9.6	280.	27.0
%RSD	.09788	.25563	.48447	.51305
#1	2072.8	3760.7	57921.	5278.4
#2	2069.6	3747.2	57444.	5281.2
#3	2073.3	3765.8	57935.	5233.1

Sample Name: 180-130247-D-3-A Acquired: 11/24/2021 19:00:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.91651**	**.00262**	**.01319**	**.01513**	**-.00001**
Stddev	.00018	.01251	.00072	.00034	.00029	.00008
%RSD	820.36	1.3651	27.538	2.5858	1.8867	663.43
#1	.00004	.91905	.00344	.01357	.01536	.00008
#2	.00012	.90292	.00208	.01291	.01523	-.00008
#3	-.00023	.92755	.00234	.01308	.01481	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9064**	**.00004**	**.00050**	**.00215**	**.01323**	**.51280**
Stddev	.0092	.00006	.00032	.00005	.00013	.00480
%RSD	.10341	163.50	63.480	2.2881	1.0193	.93693
#1	8.8959	.00009	.00077	.00216	.01308	.50726
#2	8.9131	-.00003	.00015	.00219	.01334	.51543
#3	8.9102	.00005	.00060	.00210	.01327	.51572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6337**	**.00231**	**.58842**	**.02799**	**.00208**	**73.986**
Stddev	.0412	.00102	.03387	.00011	.00013	.200
%RSD	1.5655	44.031	5.7566	.40623	6.3565	.26972
#1	2.6637	.00250	.59465	.02790	.00205	73.898
#2	2.6506	.00322	.55187	.02795	.00196	74.214
#3	2.5867	.00121	.61875	.02812	.00222	73.846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-A Acquired: 11/24/2021 19:00:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00004**	**.00304**	**-.00099**	**1.8831**	**.00294**
Stddev	.00031	.00074	.00028	.00237	.0042	.00023
%RSD	22.998	1824.3	9.3586	240.47	.22538	7.8740
#1	.00105	-.00074	.00333	-.00150	1.8870	.00306
#2	.00166	-.00011	.00305	.00160	1.8838	.00267
#3	.00129	.00073	.00276	-.00306	1.8786	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03769**	**.00745**	**.00114**	**.00624**	**.03727**
Stddev	.00829	.00015	.00006	.00107	.00016
%RSD	22.005	2.0435	5.1290	17.195	.43462
#1	.03065	.00738	.00110	.00615	.03745
#2	.03559	.00762	.00121	.00522	.03713
#3	.04684	.00734	.00113	.00736	.03724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2031.9**	**3749.9**	**57365.**	**5245.0**
Stddev	3.0	4.8	243.	34.8
%RSD	.14772	.12747	.42444	.66363
#1	2034.8	3753.4	57509.	5285.0
#2	2028.8	3744.4	57502.	5228.8
#3	2032.1	3751.8	57084.	5221.3

Sample Name: 180-130247-D-3A SD@5 Acquired: 11/24/2021 19:04:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.16751**	**-.00016**	**.00334**	**.00296**	**.00001**
Stddev	.00035	.03170	.00088	.00021	.00010	.00002
%RSD	333.11	18.927	563.81	6.1482	3.3520	197.94
#1	.00016	.13395	.00086	.00357	.00301	-.00002
#2	-.00027	.19696	-.00074	.00328	.00302	.00002
#3	.00042	.17162	-.00059	.00318	.00284	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7905**	**.00012**	**-.00004**	**.00033**	**.00277**	**.10135**
Stddev	.0132	.00011	.00031	.00046	.00006	.00428
%RSD	.73457	93.106	784.04	139.09	2.1858	4.2265
#1	1.7755	-.00001	-.00001	-.00017	.00278	.10488
#2	1.8002	.00018	.00025	.00042	.00283	.09659
#3	1.7957	.00019	-.00036	.00073	.00271	.10260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70243**	**.00150**	**.12589**	**.00570**	**.00093**	**15.179**
Stddev	.02536	.00051	.00298	.00002	.00028	.084
%RSD	3.6111	33.892	2.3693	.35442	30.086	.55569
#1	.67891	.00199	.12603	.00572	.00125	15.235
#2	.72931	.00098	.12880	.00571	.00074	15.082
#3	.69906	.00151	.12284	.00568	.00079	15.220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3A SD@5 Acquired: 11/24/2021 19:04:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00168**	**-.00020**	**-.00343**	**.36933**	**.00104**
Stddev	.00020	.00055	.00179	.00079	.01384	.00046
%RSD	125.93	32.624	889.35	23.180	3.7463	43.928
#1	.00001	-.00229	-.00184	-.00288	.37784	.00068
#2	-.00039	-.00121	-.00047	-.00306	.35337	.00156
#3	-.00010	-.00155	.00171	-.00434	.37679	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.00151**	**.00075**	**.00424**	**.00779**
Stddev	.00260	.00013	.00088	.00326	.00005
%RSD	63.573	8.3555	116.99	76.771	.65508
#1	.00706	.00144	-.00026	.00360	.00783
#2	.00230	.00143	.00119	.00778	.00773
#3	.00289	.00166	.00132	.00135	.00781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2116.4**	**3757.7**	**57916.**	**5184.8**
Stddev	5.1	11.5	99.	20.1
%RSD	.24302	.30549	.17113	.38755
#1	2110.6	3744.6	58024.	5169.1
#2	2118.2	3762.4	57893.	5207.5
#3	2120.4	3766.1	57830.	5178.0

Sample Name: 180-130247-D-3-B MS Acquired: 11/24/2021 19:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26378**	**6.1458**	**1.1546**	**1.4533**	**1.0738**	**.52953**
Stddev	.00013	.0180	.0109	.0163	.0023	.00096
%RSD	.05086	.29230	.94624	1.1229	.21314	.18184
#1	.26366	6.1446	1.1561	1.4523	1.0716	.52884
#2	.26393	6.1285	1.1430	1.4376	1.0735	.52911
#3	.26377	6.1644	1.1647	1.4702	1.0762	.53063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.644**	**.54861**	**.54371**	**.51189**	**.54861**	**5.7014**
Stddev	.083	.00588	.00543	.00031	.00227	.0087
%RSD	.23839	1.0709	.99872	.05972	.41363	.15323
#1	34.731	.54830	.54426	.51154	.54708	5.6942
#2	34.634	.54289	.53803	.51209	.55122	5.6989
#3	34.566	.55463	.54885	.51205	.54754	5.7112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.742**	**.55382**	**25.168**	**.53336**	**.52513**	**103.99**
Stddev	.046	.00118	.117	.00123	.00707	.41
%RSD	.15871	.21294	.46535	.23005	1.3455	.39661
#1	28.723	.55300	25.101	.53196	.52252	103.58
#2	28.709	.55328	25.101	.53388	.51975	103.99
#3	28.794	.55517	25.304	.53424	.53313	104.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-B MS Acquired: 11/24/2021 19:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53322**	**.51760**	**.27442**	**1.1297**	**3.0830**	**1.0477**
Stddev	.00451	.00420	.00087	.0112	.0294	.0108
%RSD	.84663	.81133	.31653	.98739	.95493	1.0270
#1	.53326	.51923	.27399	1.1266	3.0717	1.0490
#2	.52869	.51284	.27385	1.1204	3.0609	1.0364
#3	.53772	.52075	.27542	1.1421	3.1164	1.0578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.53766**	**.53906**	**1.0639**	**.53034**	**.30150**
Stddev	.01008	.00162	.0109	.00517	.00323
%RSD	1.8750	.30076	1.0246	.97504	1.0712
#1	.53541	.53872	1.0712	.53504	.30219
#2	.52890	.54082	1.0513	.53119	.29798
#3	.54868	.53763	1.0691	.52480	.30433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1889.0**	**3595.1**	**56272.**	**5207.5**
Stddev	15.5	31.7	140.	23.7
%RSD	.82091	.88278	.24843	.45540
#1	1892.4	3601.7	56430.	5182.2
#2	1902.5	3623.1	56224.	5211.1
#3	1872.1	3560.6	56163.	5229.2

Sample Name: 180-130247-D-3-C MSD Acquired: 11/24/2021 19:13:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26155**	**6.2206**	**1.1476**	**1.4574**	**1.0742**	**.53146**
Stddev	.00047	.0565	.0120	.0139	.0024	.00189
%RSD	.17914	.90799	1.0493	.95214	.22658	.35651
#1	.26200	6.2811	1.1374	1.4447	1.0762	.53335
#2	.26106	6.1692	1.1609	1.4722	1.0748	.52956
#3	.26158	6.2114	1.1445	1.4555	1.0715	.53148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.324**	**.54704**	**.53819**	**.51187**	**.54289**	**5.8650**
Stddev	.050	.00506	.00572	.00098	.00176	.0058
%RSD	.14127	.92567	1.0627	.19186	.32468	.09907
#1	35.360	.54269	.53220	.51235	.54491	5.8629
#2	35.345	.55260	.54360	.51074	.54210	5.8605
#3	35.267	.54583	.53877	.51252	.54166	5.8716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.544**	**.55190**	**25.643**	**.53100**	**.52757**	**108.88**
Stddev	.103	.00235	.069	.00094	.00551	.30
%RSD	.34984	.42565	.26715	.17702	1.0437	.27927
#1	29.660	.55339	25.625	.53059	.52175	109.23
#2	29.462	.55312	25.586	.53208	.53270	108.66
#3	29.512	.54919	25.719	.53034	.52826	108.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-C MSD Acquired: 11/24/2021 19:13:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52936**	**.51470**	**.27485**	**1.1328**	**3.1686**	**1.0366**
Stddev	.00536	.00318	.00298	.0107	.0207	.0096
%RSD	1.0127	.61863	1.0841	.94230	.65350	.92749
#1	.52323	.51103	.27146	1.1233	3.1874	1.0256
#2	.53314	.51640	.27702	1.1444	3.1464	1.0437
#3	.53172	.51668	.27608	1.1308	3.1720	1.0403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.54843**	**.53766**	**1.0542**	**.52849**	**.30370**
Stddev	.00906	.00017	.0080	.00212	.00232
%RSD	1.6513	.03132	.75605	.40024	.76350
#1	.55572	.53775	1.0460	.53030	.30156
#2	.53829	.53777	1.0619	.52899	.30616
#3	.55127	.53747	1.0547	.52616	.30336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1896.7**	**3603.1**	**56362.**	**5231.1**
Stddev	16.7	27.1	35.	6.9
%RSD	.88119	.75103	.06188	.13170
#1	1915.1	3630.3	56388.	5235.8
#2	1882.4	3576.1	56322.	5234.3
#3	1892.6	3602.9	56376.	5223.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 19:18:19 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97924**	**23.974**	**.51269**	**2.0521**	**1.9848**	**1.9837**
Stddev	.00418	.073	.00303	.0029	.0020	.0085
%RSD	.42704	.30405	.59128	.13916	.10138	.43059
#1	.97464	23.992	.51516	2.0545	1.9846	1.9777
#2	.98280	24.036	.51362	2.0530	1.9868	1.9799
#3	.98030	23.894	.50931	2.0489	1.9828	1.9934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.455**	**.50418**	**2.0047**	**1.9023**	**1.9724**	**24.178**
Stddev	.043	.00069	.0042	.0045	.0132	.076
%RSD	.09051	.13603	.21154	.23369	.66813	.31262
#1	47.405	.50427	2.0072	1.8988	1.9576	24.104
#2	47.479	.50345	1.9998	1.9007	1.9831	24.175
#3	47.481	.50482	2.0071	1.9073	1.9764	24.255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.44**	**2.0729**	**46.330**	**1.8709**	**1.9965**	**120.10**
Stddev	.63	.0055	.196	.0050	.0057	.60
%RSD	.52486	.26476	.42316	.26965	.28686	.50219
#1	120.24	2.0768	46.230	1.8660	1.9923	119.80
#2	119.93	2.0753	46.205	1.8705	1.9942	119.71
#3	121.15	2.0666	46.556	1.8761	2.0031	120.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 19:18:19 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**.48375**	**.51580**	**.50946**	**1.9011**	**1.9030**
Stddev	.0006	.00193	.00288	.00386	.0094	.0023
%RSD	.03298	.39955	.55793	.75727	.49165	.11892
#1	1.9854	.48542	.51643	.51391	1.8905	1.9020
#2	1.9849	.48420	.51266	.50739	1.9080	1.9014
#3	1.9862	.48164	.51831	.50708	1.9049	1.9056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9031**	**1.9599**	**.96839**	**1.9760**	**1.8903**
Stddev	.0034	.0037	.00536	.0028	.0025
%RSD	.17812	.19104	.55371	.14213	.13433
#1	1.9035	1.9559	.97292	1.9792	1.8887
#2	1.9063	1.9606	.96979	1.9749	1.8890
#3	1.8996	1.9633	.96247	1.9739	1.8932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.6**	**3558.5**	**54795.**	**5060.6**
Stddev	2.2	3.4	149.	14.4
%RSD	.12176	.09549	.27232	.28478
#1	1818.0	3556.2	54947.	5073.2
#2	1822.1	3556.9	54790.	5063.8
#3	1821.5	3562.4	54648.	5044.9

Sample Name: CCB16 Acquired: 11/24/2021 19:22:41 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00133**	**.00181**	**.00273**	**.00005**	**-.00010**
Stddev	.00056	.01093	.00112	.00031	.00014	.00003
%RSD	2566.0	822.59	61.716	11.310	286.49	27.622
#1	.00058	.01237	.00052	.00251	.00022	-.00012
#2	-.00052	-.00948	.00249	.00308	-.00004	-.00011
#3	-.00013	.00110	.00241	.00259	-.00003	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00006**	**-.00027**	**-.00002**	**.00052**	**.00053**
Stddev	.00266	.00009	.00029	.00010	.00008	.00181
%RSD	161.73	155.94	109.65	437.59	15.612	344.08
#1	.00205	.00004	-.00009	.00009	.00062	.00239
#2	-.00119	-.00002	-.00061	-.00004	.00046	-.00124
#3	.00407	.00016	-.00011	-.00012	.00049	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25159**	**.00283**	**.01138**	**-.00002**	**.00913**	**.62728**
Stddev	.02748	.00098	.00702	.00004	.00093	.00992
%RSD	10.922	34.440	61.729	237.55	10.195	1.5808
#1	.28277	.00263	.01523	.00000	.01015	.63501
#2	.23094	.00390	.00327	-.00007	.00892	.63074
#3	.24104	.00198	.01563	.00001	.00833	.61610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB16 Acquired: 11/24/2021 19:22:41 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00085**	**.00262**	**-.00005**	**-.00030**	**.00023**
Stddev	.00025	.00091	.00154	.00249	.01439	.00018
%RSD	160.91	106.55	58.869	4877.0	4739.3	78.116
#1	-.00044	-.00152	.00197	.00275	.01040	.00026
#2	-.00000	.00018	.00439	-.00089	.00536	.00040
#3	-.00002	-.00123	.00152	-.00201	-.01667	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00373**	**.00014**	**.00136**	**.00420**	**-.00014**
Stddev	.00043	.00002	.00031	.00203	.00005
%RSD	11.554	16.434	23.060	48.368	32.711
#1	-.00323	.00012	.00170	.00588	-.00019
#2	-.00399	.00013	.00110	.00194	-.00016
#3	-.00396	.00016	.00126	.00478	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2177.7**	**3794.5**	**58912.**	**5163.7**
Stddev	10.0	19.8	201.	24.8
%RSD	.46003	.52214	.34199	.48012
#1	2184.6	3804.1	59052.	5137.9
#2	2182.3	3807.7	59003.	5165.9
#3	2166.2	3771.7	58681.	5187.3

Sample Name: MB 180-379858/1-A Acquired: 11/24/2021 19:27:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00524**	**.00076**	**.00138**	**.00009**	**-.00008**
Stddev	.00018	.01239	.00296	.00022	.00013	.00005
%RSD	59.860	236.69	391.53	16.174	137.09	60.419
#1	.00010	-.00762	.00322	.00163	.00023	-.00005
#2	.00036	-.01627	.00157	.00131	-.00003	-.00014
#3	.00044	.00818	-.00252	.00120	.00009	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01495**	**-.00005**	**.00013**	**.00021**	**.00090**	**.00282**
Stddev	.00385	.00006	.00012	.00015	.00037	.00217
%RSD	25.769	131.28	92.353	69.309	41.448	76.777
#1	.01908	-.00009	.00026	.00007	.00056	.00101
#2	.01146	.00003	.00012	.00020	.00130	.00223
#3	.01429	-.00008	.00002	.00037	.00083	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15691**	**.00019**	**-.01673**	**.00002**	**.00332**	**.52344**
Stddev	.01056	.00095	.00366	.00003	.00003	.00268
%RSD	6.7288	499.11	21.884	164.99	.84364	.51137
#1	.16853	.00042	-.01259	-.00002	.00335	.52556
#2	.14791	-.00086	-.01808	.00004	.00330	.52431
#3	.15429	.00100	-.01953	.00004	.00330	.52043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379858/1-A Acquired: 11/24/2021 19:27:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00085**	**.00204**	**-.00237**	**.02352**	**.00403**
Stddev	.00044	.00024	.00146	.00362	.00745	.00050
%RSD	114.30	28.199	71.829	152.77	31.684	12.423
#1	-.00082	-.00112	.00207	.00000	.01644	.00419
#2	.00006	-.00080	.00348	-.00653	.02283	.00443
#3	-.00040	-.00064	.00056	-.00057	.03129	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00012**	**.00210**	**.00250**	**-.00051**
Stddev	.00291	.00008	.00107	.00277	.00009
%RSD	296.78	62.978	50.716	110.68	18.423
#1	-.00226	.00017	.00108	-.00068	-.00040
#2	.00181	.00016	.00202	.00380	-.00055
#3	.00339	.00003	.00320	.00438	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2187.8**	**3836.4**	**59357.**	**5238.0**
Stddev	3.9	6.7	354.	34.2
%RSD	.17651	.17560	.59719	.65387
#1	2183.8	3829.4	59117.	5202.5
#2	2188.1	3842.9	59764.	5240.5
#3	2191.5	3836.8	59190.	5270.9

Sample Name: 180-130323-A-1-A Acquired: 11/24/2021 19:32:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26526**	**5.1378**	**1.0657**	**1.3960**	**1.0068**	**.50665**
Stddev	.00188	.0541	.0026	.0017	.0105	.00558
%RSD	.70838	1.0520	.24777	.12267	1.0404	1.1020
#1	.26498	5.0763	1.0659	1.3978	.99503	.50022
#2	.26727	5.1775	1.0683	1.3944	1.0101	.50951
#3	.26354	5.1596	1.0630	1.3958	1.0152	.51023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.380**	**.51741**	**.50529**	**.49963**	**.51996**	**5.1374**
Stddev	.249	.00017	.00096	.00392	.00762	.0748
%RSD	.97923	.03210	.18951	.78544	1.4653	1.4559
#1	25.094	.51723	.50639	.49967	.51622	5.0515
#2	25.541	.51742	.50465	.50354	.52873	5.1881
#3	25.505	.51757	.50483	.49569	.51493	5.1725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.348**	**.52669**	**24.546**	**.49667**	**.49496**	**25.706**
Stddev	.317	.00541	.290	.00418	.00173	.426
%RSD	1.2520	1.0277	1.1830	.84147	.34925	1.6572
#1	24.982	.52045	24.223	.49544	.49340	25.222
#2	25.517	.52945	24.628	.50133	.49466	25.872
#3	25.545	.53015	24.786	.49325	.49682	26.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-1-A Acquired: 11/24/2021 19:32:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49539**	**.48494**	**.25742**	**1.0479**	**1.0127**	**.99144**
Stddev	.00146	.00243	.00136	.0050	.0244	.00070
%RSD	.29440	.50078	.52667	.48182	2.4079	.07102
#1	.49707	.48244	.25682	1.0459	.98470	.99075
#2	.49453	.48729	.25646	1.0442	1.0244	.99142
#3	.49456	.48508	.25897	1.0537	1.0291	.99216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47945**	**.51659**	**1.0114**	**.49702**	**.25346**
Stddev	.01582	.00579	.0033	.00559	.00081
%RSD	3.3002	1.1216	.32373	1.1240	.32028
#1	.46197	.51709	1.0150	.49073	.25355
#2	.48357	.52212	1.0087	.50142	.25423
#3	.49280	.51056	1.0105	.49890	.25261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1990.8**	**3713.8**	**56070.**	**5216.0**
Stddev	2.8	3.3	484.	44.9
%RSD	.13940	.08910	.86273	.86062
#1	1987.7	3712.3	56333.	5266.7
#2	1993.2	3717.6	55512.	5181.2
#3	1991.5	3711.6	56366.	5200.3

Sample Name: 180-130323-A-2-A Acquired: 11/24/2021 19:36:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25980**	**5.0537**	**1.0864**	**1.3883**	**1.0258**	**.51515**
Stddev	.00253	.0470	.0019	.0034	.0040	.00103
%RSD	.97210	.92954	.17423	.24302	.39013	.19917
#1	.25761	5.0024	1.0881	1.3920	1.0221	.51396
#2	.26257	5.0946	1.0868	1.3855	1.0252	.51573
#3	.25924	5.0640	1.0844	1.3872	1.0301	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.019**	**.52584**	**.51280**	**.49882**	**.51982**	**5.0559**
Stddev	.096	.00054	.00052	.00335	.00515	.0144
%RSD	.38505	.10175	.10136	.67119	.99146	.28522
#1	24.927	.52645	.51259	.49636	.51745	5.0395
#2	25.010	.52563	.51339	.50263	.52573	5.0666
#3	25.119	.52545	.51242	.49745	.51628	5.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.038**	**.53531**	**24.172**	**.49654**	**.50920**	**25.428**
Stddev	.108	.00251	.122	.00373	.00032	.067
%RSD	.43290	.46953	.50431	.75167	.06208	.26471
#1	25.035	.53309	24.069	.49370	.50944	25.389
#2	24.931	.53481	24.140	.50076	.50884	25.390
#3	25.147	.53804	24.306	.49515	.50932	25.506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-2-A Acquired: 11/24/2021 19:36:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50223**	**.48922**	**.25691**	**1.0684**	**1.0150**	**1.0141**
Stddev	.00115	.00124	.00026	.0025	.0065	.0046
%RSD	.22949	.25330	.10098	.23394	.63721	.45332
#1	.50279	.48874	.25717	1.0688	1.0211	1.0134
#2	.50299	.48829	.25689	1.0657	1.0156	1.0190
#3	.50090	.49063	.25665	1.0706	1.0082	1.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48274**	**.51764**	**1.0307**	**.50886**	**.25382**
Stddev	.01259	.00379	.0042	.00253	.00074
%RSD	2.6085	.73261	.40626	.49760	.28984
#1	.48367	.51459	1.0271	.51167	.25302
#2	.49483	.52189	1.0353	.50675	.25447
#3	.46970	.51645	1.0297	.50818	.25398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1990.5**	**3704.7**	**56802.**	**5186.7**
Stddev	3.9	4.6	434.	27.4
%RSD	.19734	.12321	.76484	.52846
#1	1995.0	3706.8	57103.	5215.4
#2	1988.1	3707.8	56304.	5183.8
#3	1988.3	3699.4	57000.	5160.8

Sample Name: 180-130323-A-3-A Acquired: 11/24/2021 19:40:48 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25894**	**5.1774**	**1.0935**	**1.3937**	**1.0226**	**.51360**
Stddev	.00112	.0064	.0022	.0051	.0026	.00175
%RSD	.43363	.12328	.20516	.36442	.25344	.34032
#1	.25839	5.1702	1.0927	1.3983	1.0251	.51541
#2	.26023	5.1823	1.0918	1.3882	1.0228	.51346
#3	.25820	5.1798	1.0961	1.3945	1.0199	.51192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.696**	**.52579**	**.51461**	**.49542**	**.51786**	**5.1980**
Stddev	.080	.00041	.00240	.00167	.00157	.0417
%RSD	.31318	.07820	.46655	.33718	.30398	.80152
#1	25.751	.52603	.51540	.49715	.51656	5.2192
#2	25.733	.52531	.51191	.49381	.51961	5.2248
#3	25.603	.52602	.51651	.49529	.51740	5.1500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.718**	**.53534**	**24.819**	**.49325**	**.51337**	**26.067**
Stddev	.066	.00135	.201	.00113	.00307	.038
%RSD	.25714	.25288	.80872	.22930	.59804	.14762
#1	25.713	.53501	24.863	.49289	.51101	26.109
#2	25.786	.53683	24.993	.49451	.51226	26.057
#3	25.654	.53419	24.599	.49234	.51684	26.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-3-A Acquired: 11/24/2021 19:40:48 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50341**	**.48848**	**.25542**	**1.0683**	**1.0261**	**1.0192**
Stddev	.00112	.00271	.00178	.0024	.0051	.0064
%RSD	.22258	.55496	.69824	.22755	.49391	.62462
#1	.50468	.49009	.25726	1.0699	1.0205	1.0163
#2	.50256	.48535	.25532	1.0695	1.0304	1.0148
#3	.50300	.49000	.25369	1.0655	1.0273	1.0265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48650**	**.51288**	**1.0396**	**.50942**	**.25433**
Stddev	.01093	.00107	.0057	.00927	.00116
%RSD	2.2469	.20850	.54941	1.8200	.45502
#1	.47506	.51410	1.0380	.51850	.25374
#2	.49683	.51210	1.0348	.50979	.25360
#3	.48761	.51245	1.0459	.49997	.25567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.7**	**3695.9**	**56995.**	**5195.0**
Stddev	6.8	9.8	22.	33.2
%RSD	.34230	.26552	.03928	.63853
#1	1979.7	3697.9	56980.	5206.5
#2	1987.9	3704.5	56986.	5157.6
#3	1974.4	3685.2	57021.	5220.9

Sample Name: 180-130323-A-4-A Acquired: 11/24/2021 19:45:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25616**	**4.9435**	**1.0814**	**1.3762**	**1.0041**	**.50640**
Stddev	.00210	.0201	.0068	.0028	.0014	.00089
%RSD	.82094	.40626	.62725	.20202	.13745	.17559
#1	.25495	4.9666	1.0782	1.3747	1.0042	.50538
#2	.25493	4.9303	1.0892	1.3794	1.0027	.50680
#3	.25859	4.9336	1.0768	1.3745	1.0055	.50701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.369**	**.52215**	**.51204**	**.49577**	**.50861**	**4.9708**
Stddev	.117	.00139	.00179	.00261	.00404	.0175
%RSD	.48128	.26628	.34956	.52585	.79467	.35151
#1	24.301	.52304	.51371	.49332	.50485	4.9634
#2	24.303	.52287	.51228	.49549	.50809	4.9907
#3	24.505	.52055	.51015	.49851	.51288	4.9582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.487**	**.52575**	**23.751**	**.49081**	**.51141**	**24.886**
Stddev	.051	.00195	.102	.00274	.00072	.075
%RSD	.20724	.37065	.43055	.55796	.14117	.30321
#1	24.450	.52673	23.816	.48843	.51074	24.910
#2	24.465	.52351	23.633	.49020	.51217	24.946
#3	24.545	.52702	23.804	.49381	.51131	24.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-4-A Acquired: 11/24/2021 19:45:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49914**	**.48469**	**.25694**	**1.0520**	**1.0073**	**1.0150**
Stddev	.00093	.00099	.00136	.0027	.0070	.0030
%RSD	.18731	.20442	.53010	.25773	.69898	.29904
#1	.50008	.48566	.25538	1.0503	1.0119	1.0156
#2	.49913	.48368	.25785	1.0505	.99915	1.0177
#3	.49821	.48473	.25760	1.0551	1.0108	1.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47708**	**.51101**	**1.0334**	**.50607**	**.25392**
Stddev	.00558	.00332	.0059	.00611	.00111
%RSD	1.1693	.64887	.57520	1.2064	.43688
#1	.47282	.50809	1.0354	.50880	.25486
#2	.47504	.51033	1.0381	.49908	.25421
#3	.48340	.51462	1.0267	.51034	.25269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1985.0**	**3701.8**	**57050.**	**5227.3**
Stddev	3.5	6.6	289.	33.4
%RSD	.17460	.17752	.50582	.63926
#1	1982.5	3699.1	57329.	5245.6
#2	1983.6	3697.0	57067.	5247.7
#3	1988.9	3709.3	56753.	5188.8

Sample Name: MB 180-379158/1-A Acquired: 11/24/2021 19:49:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00212**	**.00273**	**.00243**	**.00030**	**-.00012**
Stddev	.00006	.00570	.00135	.00039	.00011	.00005
%RSD	39.592	269.25	49.511	16.031	38.430	42.653
#1	.00010	.00099	.00171	.00260	.00018	-.00017
#2	.00014	.00830	.00221	.00271	.00029	-.00013
#3	.00022	-.00294	.00426	.00199	.00041	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05748**	**.00001**	**.00033**	**.00127**	**.00101**	**.01106**
Stddev	.00177	.00004	.00009	.00019	.00022	.00218
%RSD	3.0860	327.72	27.691	14.938	21.235	19.751
#1	.05589	-.00002	.00038	.00129	.00089	.01083
#2	.05939	.00000	.00023	.00108	.00089	.01335
#3	.05716	.00005	.00039	.00146	.00126	.00900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09545**	**.00053**	**-.01445**	**.00015**	**.00708**	**.43732**
Stddev	.01674	.00022	.01962	.00003	.00075	.00300
%RSD	17.539	42.344	135.74	17.100	10.562	.68673
#1	.11297	.00043	.00072	.00012	.00787	.44066
#2	.09376	.00037	-.00747	.00016	.00698	.43483
#3	.07962	.00079	-.03660	.00016	.00639	.43647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379158/1-A Acquired: 11/24/2021 19:49:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00085**	**.00212**	**.00087**	**.00348**	**.00508**
Stddev	.00061	.00171	.00034	.00068	.00159	.00089
%RSD	221.43	202.03	16.220	78.492	45.562	17.602
#1	.00043	-.00272	.00237	.00137	.00213	.00518
#2	-.00055	-.00044	.00173	.00116	.00523	.00414
#3	-.00070	.00062	.00226	.00009	.00309	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00603**	**.00025**	**.00192**	**.00113**	**-.00004**
Stddev	.00216	.00012	.00073	.00097	.00010
%RSD	35.777	47.580	37.981	85.408	272.48
#1	.00625	.00038	.00191	.00118	-.00013
#2	.00808	.00023	.00119	.00014	.00007
#3	.00378	.00014	.00265	.00207	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2175.1**	**3820.3**	**59483.**	**5251.3**
Stddev	2.7	7.1	414.	34.5
%RSD	.12641	.18494	.69637	.65721
#1	2172.0	3812.4	59691.	5211.9
#2	2177.2	3822.7	59751.	5266.4
#3	2176.2	3825.9	59006.	5275.8

Sample Name: 180-130027-A-1-A Acquired: 11/24/2021 19:54:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25787**	**4.8864**	**1.0873**	**1.3700**	**1.0065**	**.51139**
Stddev	.00212	.0256	.0020	.0013	.0032	.00247
%RSD	.82104	.52292	.18758	.09222	.32032	.48285
#1	.25621	4.9036	1.0855	1.3688	1.0087	.51264
#2	.26025	4.8570	1.0895	1.3713	1.0028	.50855
#3	.25715	4.8985	1.0869	1.3699	1.0079	.51299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.027**	**.52404**	**.51563**	**.50065**	**.51165**	**4.8998**
Stddev	.075	.00045	.00153	.00380	.00263	.0250
%RSD	.31380	.08597	.29624	.75823	.51387	.50934
#1	24.108	.52369	.51442	.49901	.50876	4.8916
#2	23.959	.52455	.51512	.50499	.51390	4.8799
#3	24.014	.52389	.51735	.49795	.51228	4.9278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.141**	**.52998**	**23.290**	**.49246**	**.51343**	**24.414**
Stddev	.154	.00216	.097	.00300	.00302	.116
%RSD	.63900	.40718	.41469	.60943	.58916	.47361
#1	24.227	.53234	23.266	.49067	.50995	24.367
#2	23.963	.52809	23.207	.49592	.51495	24.329
#3	24.234	.52952	23.396	.49078	.51540	24.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-1-A Acquired: 11/24/2021 19:54:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50071**	**.48382**	**.25618**	**1.0462**	**.99887**	**1.0269**
Stddev	.00067	.00212	.00249	.0010	.00402	.0026
%RSD	.13359	.43859	.97003	.09385	.40219	.25236
#1	.50006	.48173	.25441	1.0451	.99582	1.0256
#2	.50067	.48375	.25902	1.0464	1.0034	1.0299
#3	.50139	.48597	.25511	1.0471	.99737	1.0252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47693**	**.51253**	**1.0423**	**.51326**	**.26015**
Stddev	.00899	.00293	.0025	.00305	.00090
%RSD	1.8850	.57255	.24407	.59487	.34481
#1	.48230	.51101	1.0394	.51524	.25913
#2	.46655	.51591	1.0435	.50975	.26080
#3	.48194	.51067	1.0440	.51480	.26052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1986.5**	**3696.0**	**56948.**	**5155.6**
Stddev	4.2	2.9	477.	10.8
%RSD	.21189	.07789	.83836	.20857
#1	1989.1	3699.2	57303.	5144.5
#2	1988.7	3693.5	56405.	5165.9
#3	1981.6	3695.2	57137.	5156.4

Sample Name: 180-130027-A-2-A Acquired: 11/24/2021 19:58:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25779**	**4.8008**	**1.0934**	**1.3764**	**1.0058**	**.50908**
Stddev	.00192	.0211	.0065	.0075	.0037	.00055
%RSD	.74418	.43956	.59328	.54345	.36492	.10712
#1	.25633	4.7965	1.0905	1.3711	1.0044	.50963
#2	.25708	4.8237	1.0889	1.3732	1.0099	.50906
#3	.25996	4.7821	1.1009	1.3849	1.0030	.50854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.853**	**.52440**	**.51732**	**.49683**	**.51142**	**4.8673**
Stddev	.088	.00237	.00211	.00317	.00522	.0201
%RSD	.36789	.45182	.40716	.63878	1.0207	.41211
#1	23.903	.52304	.51556	.49377	.50961	4.8455
#2	23.903	.52303	.51674	.49663	.50735	4.8850
#3	23.751	.52714	.51965	.50011	.51731	4.8713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.992**	**.52939**	**23.108**	**.49151**	**.51764**	**24.366**
Stddev	.040	.00145	.065	.00189	.00371	.047
%RSD	.16528	.27412	.27966	.38508	.71743	.19126
#1	24.038	.52827	23.157	.49104	.51482	24.355
#2	23.966	.53103	23.131	.48990	.51626	24.417
#3	23.972	.52888	23.035	.49359	.52185	24.326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-2-A Acquired: 11/24/2021 19:58:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50286**	**.48543**	**.25717**	**1.0621**	**.98681**	**1.0317**
Stddev	.00324	.00453	.00369	.0073	.01208	.0046
%RSD	.64525	.93352	1.4348	.68236	1.2245	.44482
#1	.50051	.48023	.25372	1.0542	.97911	1.0306
#2	.50151	.48756	.25673	1.0636	1.0007	1.0278
#3	.50656	.48851	.26106	1.0685	.98058	1.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47585**	**.50958**	**1.0503**	**.50706**	**.25495**
Stddev	.00643	.00102	.0043	.00419	.00090
%RSD	1.3511	.20020	.40478	.82699	.35175
#1	.47703	.50967	1.0481	.50240	.25440
#2	.46891	.50852	1.0476	.50829	.25446
#3	.48160	.51055	1.0552	.51051	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.0**	**3695.4**	**57069.**	**5209.2**
Stddev	10.0	14.4	232.	13.7
%RSD	.50534	.39073	.40667	.26280
#1	1989.0	3703.5	57162.	5193.4
#2	1981.7	3703.9	57240.	5216.3
#3	1969.2	3678.7	56805.	5217.9

Sample Name: 180-130027-A-3-A Acquired: 11/24/2021 20:02:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25304**	**4.8970**	**1.1063**	**1.3638**	**1.0295**	**.51814**
Stddev	.00157	.0575	.0018	.0046	.0054	.00007
%RSD	.62034	1.1732	.15893	.33560	.52665	.01367
#1	.25455	4.8717	1.1083	1.3602	1.0256	.51822
#2	.25315	4.9627	1.1056	1.3689	1.0357	.51809
#3	.25141	4.8565	1.1050	1.3622	1.0273	.51811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.318**	**.52784**	**.51754**	**.50326**	**.51533**	**4.9838**
Stddev	.064	.00045	.00219	.00110	.00332	.0145
%RSD	.26203	.08464	.42250	.21827	.64353	.29146
#1	24.314	.52757	.51902	.50438	.51782	4.9994
#2	24.383	.52836	.51858	.50219	.51659	4.9814
#3	24.256	.52760	.51503	.50322	.51156	4.9706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.554**	**.53551**	**23.560**	**.49555**	**.52308**	**24.952**
Stddev	.132	.00240	.165	.00239	.00186	.112
%RSD	.53808	.44781	.70037	.48155	.35519	.44690
#1	24.425	.53472	23.749	.49804	.52093	24.835
#2	24.689	.53821	23.444	.49533	.52419	25.057
#3	24.546	.53361	23.488	.49328	.52411	24.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-3-A Acquired: 11/24/2021 20:02:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50602**	**.48805**	**.25584**	**1.0844**	**.99839**	**1.0387**
Stddev	.00175	.00238	.00106	.0072	.01023	.0025
%RSD	.34556	.48719	.41256	.65975	1.0248	.23697
#1	.50767	.48982	.25530	1.0792	1.0056	1.0375
#2	.50621	.48899	.25516	1.0926	.98668	1.0415
#3	.50418	.48535	.25706	1.0815	1.0029	1.0370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48528**	**.51744**	**1.0534**	**.51305**	**.25092**
Stddev	.00535	.00102	.0043	.00916	.00097
%RSD	1.1023	.19670	.40884	1.7851	.38735
#1	.48043	.51860	1.0565	.50284	.25148
#2	.48439	.51702	1.0552	.52056	.25148
#3	.49102	.51670	1.0485	.51574	.24980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1972.8**	**3658.0**	**56974.**	**5176.7**
Stddev	4.1	8.7	288.	22.0
%RSD	.20728	.23710	.50595	.42420
#1	1971.2	3667.0	56723.	5154.3
#2	1969.7	3649.7	56911.	5177.7
#3	1977.4	3657.2	57289.	5198.2

Sample Name: 180-130027-A-4-A Acquired: 11/24/2021 20:07:18 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24733**	**4.8713**	**1.0968**	**1.3516**	**1.0268**	**.51889**
Stddev	.00151	.0112	.0159	.0176	.0063	.00338
%RSD	.61189	.23049	1.4482	1.3010	.61007	.65079
#1	.24885	4.8814	1.0901	1.3389	1.0317	.52273
#2	.24731	4.8592	1.0854	1.3442	1.0289	.51638
#3	.24582	4.8734	1.1150	1.3716	1.0197	.51757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.073**	**.52617**	**.51390**	**.49477**	**.50603**	**4.9787**
Stddev	.138	.00713	.00646	.00235	.00263	.0422
%RSD	.57256	1.3544	1.2575	.47415	.51897	.84748
#1	24.225	.52301	.51243	.49206	.50891	5.0103
#2	24.036	.52117	.50830	.49625	.50541	4.9951
#3	23.957	.53433	.52097	.49599	.50376	4.9308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.669**	**.53004**	**23.502**	**.48815**	**.51682**	**25.144**
Stddev	.182	.00288	.158	.00043	.00655	.111
%RSD	.73885	.54421	.67088	.08732	1.2673	.44089
#1	24.861	.53298	23.683	.48766	.51369	25.251
#2	24.647	.52992	23.429	.48842	.51241	25.150
#3	24.499	.52722	23.394	.48837	.52434	25.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-4-A Acquired: 11/24/2021 20:07:18 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50326**	**.48880**	**.25307**	**1.0781**	**1.0260**	**1.0273**
Stddev	.00679	.00716	.00434	.0126	.0075	.0131
%RSD	1.3493	1.4649	1.7141	1.1663	.73030	1.2734
#1	.50121	.48577	.24909	1.0720	1.0338	1.0244
#2	.49772	.48366	.25241	1.0697	1.0254	1.0159
#3	.51083	.49698	.25769	1.0925	1.0189	1.0416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49208**	**.51144**	**1.0393**	**.51157**	**.24724**
Stddev	.00683	.00121	.0128	.00473	.00433
%RSD	1.3884	.23724	1.2312	.92543	1.7533
#1	.49859	.51010	1.0382	.51517	.24555
#2	.48497	.51174	1.0270	.50621	.24400
#3	.49269	.51247	1.0525	.51333	.25216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1972.0**	**3657.5**	**57402.**	**5160.0**
Stddev	22.2	40.4	111.	20.1
%RSD	1.1245	1.1055	.19421	.38871
#1	1980.8	3675.3	57391.	5137.2
#2	1988.5	3685.9	57297.	5175.1
#3	1946.8	3611.2	57519.	5167.6

Sample Name: CCV 4546440 Acquired: 11/24/2021 20:11:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97770**	**23.930**	**.51281**	**2.0529**	**1.9752**	**1.9830**
Stddev	.00120	.059	.00477	.0129	.0052	.0067
%RSD	.12309	.24732	.93071	.62602	.26224	.33898
#1	.97806	23.998	.50853	2.0406	1.9810	1.9908
#2	.97868	23.899	.51796	2.0662	1.9738	1.9787
#3	.97636	23.892	.51194	2.0520	1.9709	1.9796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.443**	**.50611**	**2.0191**	**1.9089**	**1.9636**	**24.291**
Stddev	.095	.00277	.0094	.0046	.0039	.037
%RSD	.19952	.54787	.46700	.23994	.19605	.15350
#1	47.552	.50365	2.0124	1.9126	1.9637	24.334
#2	47.380	.50912	2.0299	1.9038	1.9673	24.268
#3	47.396	.50557	2.0150	1.9102	1.9597	24.272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.79**	**2.0687**	**46.294**	**1.8705**	**2.0159**	**121.33**
Stddev	.34	.0023	.205	.0035	.0137	.33
%RSD	.28113	.11182	.44183	.18660	.67701	.27199
#1	121.18	2.0688	46.518	1.8743	2.0033	121.68
#2	120.57	2.0663	46.248	1.8674	2.0304	121.02
#3	120.62	2.0709	46.116	1.8698	2.0140	121.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 20:11:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9931**	**.48172**	**.51546**	**.51103**	**1.8987**	**1.9213**
Stddev	.0094	.00532	.00404	.00198	.0165	.0112
%RSD	.46937	1.1040	.78425	.38827	.86932	.58009
#1	1.9851	.47883	.51244	.50949	1.8917	1.9106
#2	2.0034	.48785	.52005	.51327	1.9175	1.9328
#3	1.9908	.47846	.51389	.51033	1.8868	1.9206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8845**	**1.9572**	**.97821**	**1.9775**	**1.9062**
Stddev	.0122	.0035	.00602	.0064	.0101
%RSD	.64694	.17654	.61512	.32278	.52785
#1	1.8971	1.9603	.97504	1.9757	1.8961
#2	1.8728	1.9535	.98515	1.9721	1.9163
#3	1.8838	1.9577	.97444	1.9845	1.9060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1813.7**	**3550.7**	**54824.**	**5024.8**
Stddev	7.5	16.1	149.	12.3
%RSD	.41569	.45378	.27232	.24397
#1	1815.9	3560.9	54656.	5010.7
#2	1805.3	3532.1	54943.	5030.6
#3	1819.9	3559.1	54872.	5033.1

Sample Name: CCB17 Acquired: 11/24/2021 20:16:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00670**	**.00266**	**.00357**	**.00007**	**-.00011**
Stddev	.00025	.01163	.00165	.00027	.00019	.00005
%RSD	180.95	173.60	61.829	7.6223	284.98	48.358
#1	-.00039	-.00441	.00356	.00355	.00025	-.00010
#2	-.00011	.00572	.00076	.00331	-.00012	-.00016
#3	.00010	.01879	.00367	.00386	.00007	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00330**	**-.00001**	**-.00001**	**.00016**	**.00081**	**.00043**
Stddev	.00191	.00014	.00012	.00034	.00051	.00276
%RSD	58.074	1947.0	813.69	215.24	62.214	642.94
#1	-.00539	.00011	-.00012	-.00003	.00066	-.00270
#2	-.00287	.00004	-.00004	.00054	.00138	.00149
#3	-.00163	-.00016	.00011	-.00005	.00040	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19043**	**.00212**	**.01143**	**-.00000**	**.01014**	**.46544**
Stddev	.01015	.00110	.00906	.00004	.00099	.00554
%RSD	5.3324	51.769	79.268	1304.5	9.7563	1.1904
#1	.20031	.00332	.00262	-.00005	.01120	.46455
#2	.18003	.00118	.01095	.00000	.00998	.47137
#3	.19093	.00185	.02073	.00004	.00925	.46040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB17 Acquired: 11/24/2021 20:16:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00022**	**.00100**	**.00244**	**.00261**	**.00083**
Stddev	.00024	.00088	.00173	.00121	.01216	.00013
%RSD	36.263	396.66	173.20	49.610	466.46	15.434
#1	-.00063	-.00009	-.00099	.00260	.01659	.00096
#2	-.00044	.00122	.00219	.00356	-.00544	.00081
#3	-.00092	-.00046	.00179	.00116	-.00334	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00353**	**.00024**	**.00029**	**.00298**	**-.00008**
Stddev	.00288	.00013	.00126	.00279	.00004
%RSD	81.388	52.886	429.37	93.758	55.514
#1	-.00077	.00011	-.00060	.00072	-.00008
#2	-.00332	.00024	.00173	.00211	-.00012
#3	-.00651	.00036	-.00025	.00610	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.5**	**3759.0**	**58984.**	**5083.9**
Stddev	22.0	38.4	244.	15.7
%RSD	1.0217	1.0203	.41400	.30784
#1	2163.8	3786.7	58986.	5083.9
#2	2158.2	3775.1	58739.	5068.3
#3	2123.3	3715.2	59227.	5099.6

Sample Name: STD1 Acquired: 11/26/2021 7:44:01 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00012**	**.00123**	**.00020**	**.00037**	**.00596**	**-.00187**
Stddev	.00008	.00038	.00012	.00005	.00087	.00011
%RSD	64.137	30.924	59.291	13.448	14.637	5.7440
#1	-.00004	.00155	.00010	.00032	.00690	-.00175
#2	-.00020	.00081	.00017	.00042	.00517	-.00194
#3	-.00014	.00132	.00033	.00036	.00582	-.00192

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00708**	**.00055**	**.00073**	**-.00008**	**-.00308**	**.00100**
Stddev	.00059	.00013	.00058	.00004	.00013	.00027
%RSD	8.2860	24.269	78.834	53.005	4.2475	26.546
#1	.00641	.00066	.00016	-.00007	-.00313	.00113
#2	.00732	.00040	.00073	-.00012	-.00293	.00118
#3	.00750	.00059	.00131	-.00004	-.00318	.00070

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01949**	**.00767**	**-.00049**	**.00013**	**.00028**	**.11561**
Stddev	.00253	.00181	.00034	.00002	.00003	.00362
%RSD	13.001	23.559	69.738	18.819	9.1240	3.1299
#1	.01948	.00563	-.00026	.00012	.00031	.11922
#2	.02203	.00835	-.00033	.00011	.00028	.11562
#3	.01696	.00905	-.00088	.00016	.00026	.11198

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00192**	**-.00011**	**-.00006**	**.00016**	**.00047**	**.00068**
Stddev	.00028	.00050	.00009	.00023	.00041	.00011
%RSD	14.396	467.42	133.06	142.78	86.604	16.528
#1	.00169	-.00053	-.00013	.00011	.00008	.00057
#2	.00223	.00044	.00003	.00040	.00089	.00067
#3	.00184	-.00023	-.00010	-.00004	.00044	.00079

Sample Name: STD1 Acquired: 11/26/2021 7:44:01 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00055**	**.00010**	**-.00061**	**-.00038**	**.00091**
Stddev	.00054	.00004	.00007	.00028	.00011
%RSD	99.626	38.335	11.299	74.655	11.784
#1	-.00016	.00015	-.00066	-.00010	.00097
#2	-.00031	.00007	-.00064	-.00037	.00098
#3	-.00117	.00009	-.00053	-.00066	.00079

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2220.4**	**3572.3**	**55502.**	**4593.2**
Stddev	6.1	3.0	75.	28.0
%RSD	.27285	.08412	.13553	.60947
#1	2219.0	3571.4	55581.	4601.4
#2	2227.0	3575.7	55493.	4562.0
#3	2215.2	3569.9	55432.	4616.2

Sample Name: STD2A Acquired: 11/26/2021 7:48:40 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	As	B_	Ba	Be	Cd
Line	328.068 {103}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}	228.802 {447}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.60234**	**.07404**	**1.1673**	**18.971**	**14.734**	**2.2534**
Stddev	.00274	.00019	.0026	.068	.062	.0021
%RSD	.45523	.25248	.21903	.35659	.42181	.09435
#1	.60519	.07407	1.1659	18.902	14.664	2.2538
#2	.59972	.07384	1.1657	18.973	14.757	2.2511
#3	.60211	.07421	1.1702	19.038	14.782	2.2553

Elem	Co	Cr	Cu	Li	Mn	Mo
Line	228.616 {447}	267.716 {126}	327.396 {103}	670.784 { 50}	257.610 {131}	202.030 {467}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.0826**	**.64985**	**.77464**	**7.3244**	**4.3783**	**2.8812**
Stddev	.0153	.00370	.00371	.0138	.0147	.0061
%RSD	.21638	.56948	.47852	.18913	.33677	.21096
#1	7.0991	.65357	.77877	7.3134	4.3906	2.8765
#2	7.0687	.64617	.77161	7.3199	4.3620	2.8792
#3	7.0800	.64979	.77354	7.3400	4.3823	2.8881

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.9686**	**.39191**	**.13896**	**.05853**	**.12517**	**.98066**
Stddev	.0032	.00077	.00045	.00022	.00112	.00228
%RSD	.10862	.19694	.32145	.37526	.89702	.23225
#1	2.9721	.39175	.13857	.05878	.12551	.98238
#2	2.9659	.39123	.13887	.05836	.12608	.97808
#3	2.9678	.39275	.13945	.05847	.12391	.98153

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.36438**	**2.5149**	**.38903**	**.40687**	**3.4770**
Stddev	.00277	.0058	.00073	.00064	.0041
%RSD	.75934	.23209	.18847	.15796	.11840
#1	.36275	2.5212	.38819	.40617	3.4779
#2	.36282	2.5097	.38954	.40703	3.4725
#3	.36757	2.5138	.38937	.40742	3.4806

Sample Name: STD2A Acquired: 11/26/2021 7:48:40 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2110.6**	**3519.3**	**54738.**	**4662.2**
Stddev	4.6	3.6	208.	19.2
%RSD	.21774	.10309	.38009	.41183
#1	2105.3	3516.2	54609.	4676.6
#2	2113.2	3523.3	54978.	4640.4
#3	2113.3	3518.4	54627.	4669.6

Sample Name: STD3 Acquired: 11/26/2021 7:52:56 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al	Ca	Fe	K_	Mg	Na
Line	308.215 {109}	317.933 {106}	259.940 {130}	766.490 { 44}	279.079 {121}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.97159**	**9.8918**	**4.3684**	**17.636**	**.93089**	**61.844**
Stddev	.00010	.0151	.0194	.078	.00381	.293
%RSD	.01005	.15270	.44471	.44095	.40963	.47433
#1	.97168	9.9030	4.3744	17.679	.93315	62.113
#2	.97161	9.8979	4.3842	17.683	.93302	61.887
#3	.97148	9.8746	4.3468	17.546	.92648	61.531

Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	**4453.9**
Stddev	18.7
%RSD	.42080
#1	4451.5
#2	4436.4
#3	4473.7

Sample Name: ICV 4512252 Acquired: 11/26/2021 7:57:45 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48927**	**12.254**	**.25693**	**1.0157**	**1.0005**	**1.0015**
Stddev	.00477	.203	.00609	.0244	.0185	.0191
%RSD	.97407	1.6569	2.3706	2.4048	1.8445	1.9047
#1	.49449	12.084	.25503	1.0032	.98391	.98689
#2	.48816	12.478	.25201	1.0000	1.0204	1.0231
#3	.48515	12.199	.26374	1.0438	.99719	.99456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.976**	**.25010**	**.99543**	**.96603**	**.96415**	**12.591**
Stddev	.499	.00592	.02108	.00824	.00810	.237
%RSD	1.9992	2.3673	2.1173	.85270	.84035	1.8839
#1	24.506	.24687	.98456	.97542	.97334	12.404
#2	25.500	.24650	.98201	.96266	.96105	12.858
#3	24.921	.25693	1.0197	.96001	.95805	12.511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.489**	**1.0104**	**24.543**	**.97139**	**.95296**	**49.188**
Stddev	.923	.0217	.529	.00621	.02253	.826
%RSD	1.9042	2.1454	2.1554	.63966	2.3644	1.6786
#1	47.781	.98925	24.173	.97772	.93935	48.621
#2	49.533	1.0326	25.149	.97115	.94057	50.135
#3	48.153	1.0094	24.307	.96530	.97897	48.807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/26/2021 7:57:45 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99684**	**.24554**	**.25133**	**.25167**	F **1.1806**	**.94552**
Stddev	.02405	.00570	.01015	.00692	.0311	.02218
%RSD	2.4125	2.3216	4.0373	2.7496	2.6331	2.3458
#1	.98320	.24409	.24637	.24907	1.1460	.93296
#2	.98271	.24070	.24460	.24642	1.2063	.93248
#3	1.0246	.25182	.26300	.25951	1.1894	.97113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98538**	**.97228**	**.49670**	**.98306**	**.97717**
Stddev	.01403	.00580	.01342	.01896	.02258
%RSD	1.4238	.59604	2.7018	1.9288	2.3104
#1	.97102	.97850	.49071	.96984	.96511
#2	.99905	.97130	.48731	1.0048	.96317
#3	.98608	.96704	.51207	.97455	1.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1985.4**	**3460.5**	**53718.**	**4556.4**
Stddev	37.9	66.3	337.	63.4
%RSD	1.9064	1.9152	.62782	1.3917
#1	2004.3	3494.2	53357.	4615.1
#2	2010.1	3503.2	53772.	4489.2
#3	1941.9	3384.2	54025.	4564.9

Sample Name: ICV 4512252 Acquired: 11/26/2021 8:02:06 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49483**	**12.077**	**.25485**	**1.0082**	**.98076**	**.98172**
Stddev	.00459	.066	.00112	.0014	.00157	.00726
%RSD	.92759	.54414	.43960	.13491	.15998	.73941
#1	.49967	12.015	.25360	1.0092	.98123	.98194
#2	.49054	12.146	.25576	1.0088	.98204	.98887
#3	.49429	12.071	.25520	1.0066	.97901	.97435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.597**	**.24800**	**.98668**	**.97858**	**.97684**	**12.361**
Stddev	.102	.00045	.00325	.01071	.00944	.089
%RSD	.41487	.17960	.32953	1.0940	.96667	.72091
#1	24.561	.24776	.99000	.98992	.98487	12.345
#2	24.713	.24851	.98653	.96865	.96644	12.457
#3	24.519	.24772	.98350	.97717	.97922	12.281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.560**	**.99466**	**24.140**	**.97858**	**.94824**	**48.311**
Stddev	.435	.00195	.154	.00453	.00086	.442
%RSD	.91503	.19592	.63792	.46259	.09069	.91511
#1	47.636	.99677	24.243	.98377	.94889	48.537
#2	47.953	.99293	24.215	.97539	.94857	48.594
#3	47.092	.99427	23.963	.97660	.94727	47.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/26/2021 8:02:06 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98995**	**.24524**	**.24616**	**.24812**	F **1.1372**	W **.93812**
Stddev	.00351	.00308	.00182	.00136	.0065	.00283
%RSD	.35439	1.2573	.73956	.54750	.57527	.30125
#1	.99372	.24875	.24786	.24719	1.1426	.94044
#2	.98935	.24300	.24639	.24968	1.1391	.93895
#3	.98678	.24396	.24424	.24749	1.1299	.93497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn
Value					1.0000	1.0000
Range					10.500%	-5.5000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97705**	**.97898**	**.49293**	**.97102**	**.96959**
Stddev	.01566	.00460	.00295	.01151	.00182
%RSD	1.6025	.46941	.59920	1.1850	.18762
#1	.99136	.98372	.49584	.97992	.97095
#2	.97946	.97455	.49301	.97510	.97029
#3	.96033	.97868	.48994	.95802	.96752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.3**	**3477.3**	**53173.**	**4578.0**
Stddev	4.7	4.5	408.	60.6
%RSD	.23613	.13034	.76798	1.3239
#1	1992.6	3474.2	52705.	4572.0
#2	1997.3	3475.1	53455.	4520.5
#3	2002.1	3482.5	53359.	4641.3

Sample Name: ICBIS Acquired: 11/26/2021 8:06:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00247**	**.00053**	**.00169**	**.00005**	**-.00006**
Stddev	.00008	.00794	.00140	.00025	.00002	.00004
%RSD	69.451	321.81	264.51	14.551	50.062	71.480
#1	.00014	-.01157	.00018	.00176	.00004	-.00005
#2	.00002	.00119	.00207	.00190	.00008	-.00011
#3	.00017	.00298	-.00067	.00142	.00003	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00599**	**-.00007**	**.00004**	**.00045**	**.00093**	**-.00586**
Stddev	.00315	.00003	.00017	.00052	.00032	.00294
%RSD	52.603	44.839	419.74	114.05	34.628	50.265
#1	-.00903	-.00004	-.00006	.00104	.00074	-.00898
#2	-.00619	-.00010	-.00005	.00007	.00130	-.00544
#3	-.00274	-.00008	.00023	.00025	.00075	-.00314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05499**	**.00044**	**.02140**	**.00003**	**.00601**	**-.06296**
Stddev	.00875	.00069	.04312	.00002	.00045	.01047
%RSD	15.906	157.91	201.52	68.095	7.4394	16.624
#1	.04537	.00036	.04088	.00003	.00653	-.05162
#2	.05715	-.00021	-.02803	.00006	.00576	-.06500
#3	.06246	.00116	.05134	.00001	.00575	-.07225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 11/26/2021 8:06:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00208**	**.00035**	**-.00011**	**.00805**	**-.00033**
Stddev	.00048	.00161	.00028	.00206	.00377	.00055
%RSD	241.90	77.599	78.397	1797.5	46.827	169.01
#1	-.00076	.00292	.00027	-.00173	.00648	-.00094
#2	.00008	.00310	.00067	.00220	.01236	.00011
#3	.00008	.00022	.00013	-.00082	.00533	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00026**	**-.00083**	**.00405**	**.00024**
Stddev	.00431	.00025	.00071	.00331	.00011
%RSD	437.34	94.862	84.891	81.610	48.355
#1	.00563	.00052	-.00099	.00168	.00032
#2	.00018	.00002	-.00006	.00264	.00011
#3	-.00286	.00025	-.00145	.00783	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2215.0**	**3556.8**	**55995.**	**4627.9**
Stddev	60.4	95.3	152.	12.9
%RSD	2.7263	2.6790	.27103	.27890
#1	2251.5	3613.0	55989.	4618.8
#2	2248.2	3610.6	56150.	4622.3
#3	2145.3	3446.8	55847.	4642.7

Sample Name: ICVL 4543482 Acquired: 11/26/2021 8:11:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	**.17175**	**.01024**	**.19748**	**.20105**	**.00410**
Stddev	.00036	.02175	.00149	.00227	.00182	.00008
%RSD	6.8019	12.665	14.542	1.1474	.90659	2.0598
#1	.00562	.18879	.00890	.19487	.20293	.00412
#2	.00491	.14725	.00999	.19887	.20093	.00401
#3	.00527	.17921	.01185	.19870	.19929	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0605**	**.00487**	**.04719**	**.00535**	**.02586**	**.09588**
Stddev	.0425	.00022	.00038	.00069	.00010	.00211
%RSD	.84089	4.5491	.80256	12.926	.40225	2.1990
#1	5.1015	.00468	.04676	.00512	.02574	.09347
#2	5.0635	.00482	.04736	.00480	.02591	.09739
#3	5.0165	.00511	.04746	.00613	.02594	.09679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7901**	**.04892**	**5.1544**	**.01514**	**.04010**	**4.7868**
Stddev	.0209	.00184	.0498	.00020	.00029	.0369
%RSD	.43711	3.7519	.96568	1.3224	.71625	.77145
#1	4.8001	.04864	5.1842	.01497	.03977	4.7963
#2	4.8042	.05088	5.1821	.01508	.04027	4.8181
#3	4.7661	.04725	5.0970	.01536	.04027	4.7461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4543482 Acquired: 11/26/2021 8:11:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03781**	**.01003**	**.00883**	**.01047**	**.57798**	**.09453**
Stddev	.00060	.00162	.00056	.00216	.00617	.00150
%RSD	1.5880	16.132	6.3156	20.602	1.0670	1.5842
#1	.03720	.00925	.00942	.00971	.58373	.09311
#2	.03782	.00895	.00831	.00880	.57873	.09438
#3	.03840	.01189	.00875	.01291	.57147	.09609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04945**	**.04993**	**.01848**	**.05139**	**.02018**
Stddev	.00450	.00030	.00026	.00197	.00035
%RSD	9.1090	.60799	1.4268	3.8373	1.7453
#1	.04435	.04979	.01855	.05353	.01978
#2	.05288	.04973	.01819	.05098	.02043
#3	.05112	.05028	.01870	.04966	.02033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2216.3**	**3616.4**	**54846.**	**4589.8**
Stddev	14.0	20.4	529.	32.1
%RSD	.63377	.56274	.96425	.69951
#1	2232.5	3639.9	55151.	4572.3
#2	2208.1	3603.4	55151.	4570.3
#3	2208.3	3606.0	54235.	4626.9

Sample Name: ICSA 4540660 Acquired: 11/26/2021 8:15:50 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**505.80**	**.00074**	**-.00369**	**.01318**	**.00005**
Stddev	.00050	7.06	.00226	.00035	.00024	.00011
%RSD	140.39	1.3951	304.39	9.5816	1.8033	215.43
#1	.00093	513.00	.00099	-.00406	.01345	-.00008
#2	.00013	505.52	-.00164	-.00363	.01309	.00014
#3	.00001	498.89	.00287	-.00336	.01301	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**471.87**	**.00002**	**.00052**	**.00119**	**.00011**	**182.50**
Stddev	4.08	.00020	.00015	.00034	.00056	2.33
%RSD	.86542	1251.9	28.711	28.642	491.16	1.2742
#1	475.50	-.00018	.00036	.00155	.00058	184.68
#2	472.67	.00000	.00066	.00113	.00026	182.76
#3	467.45	.00022	.00054	.00088	-.00050	180.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13874**	**.00647**	**500.57**	**.00099**	**.00000**	**.17097**
Stddev	.04839	.00063	7.45	.00009	.00028	.02017
%RSD	34.877	9.7844	1.4880	9.3677	9443.2	11.798
#1	.12786	.00714	507.38	.00102	-.00031	.19221
#2	.19164	.00588	501.71	.00089	.00023	.16861
#3	.09672	.00639	492.61	.00107	.00008	.15208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4540660 Acquired: 11/26/2021 8:15:50 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**-.00055**	**-.00349**	**.00576**	**-.01059**	**.00324**
Stddev	.00051	.00372	.00615	.00456	.00978	.00094
%RSD	8.1712	677.87	176.18	79.184	92.379	29.049
#1	.00597	-.00362	.00024	.00670	-.01764	.00325
#2	.00593	.00359	-.00013	.00080	.00058	.00419
#3	.00683	-.00161	-.01060	.00978	-.01470	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01970**	**-.00057**	**-.01079**	**.00089**	**.00048**
Stddev	.00519	.00004	.00356	.00736	.00007
%RSD	26.349	6.5603	32.975	828.04	14.927
#1	.01760	-.00053	-.00764	.00479	.00051
#2	.02562	-.00059	-.01009	.00548	.00053
#3	.01589	-.00059	-.01465	-.00760	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1672.5**	**3157.0**	**47717.**	**4406.1**
Stddev	5.1	3.2	243.	70.1
%RSD	.30460	.10230	.50924	1.5919
#1	1677.3	3159.5	47824.	4339.4
#2	1673.0	3158.1	47439.	4399.7
#3	1667.1	3153.3	47888.	4479.2

Sample Name: ICSAB 4504561 Acquired: 11/26/2021 8:22:03 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0753**	**492.33**	**1.0442**	**10.055**	**.99711**	**.47920**
Stddev	.0057	.41	.0108	.110	.00081	.00027
%RSD	.52950	.08231	1.0305	1.0926	.08171	.05581
#1	1.0697	492.21	1.0415	9.9805	.99665	.47943
#2	1.0811	492.01	1.0561	10.181	.99663	.47891
#3	1.0751	492.79	1.0350	10.004	.99805	.47927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**461.09**	**1.0256**	**.98070**	**.94462**	**1.0634**	**179.76**
Stddev	3.15	.0117	.01189	.00775	.0068	.31
%RSD	.68372	1.1435	1.2126	.82026	.63692	.17312
#1	457.90	1.0165	.97112	.93604	1.0573	180.09
#2	464.20	1.0388	.99401	.95110	1.0707	179.48
#3	461.16	1.0215	.97698	.94671	1.0622	179.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**1.0761**	**490.49**	**.93660**	**.90929**	**10.456**
Stddev	.038	.0013	.79	.00413	.01066	.022
%RSD	.36989	.11973	.16161	.44074	1.1721	.21215
#1	10.290	1.0746	491.38	.93233	.90002	10.452
#2	10.215	1.0768	489.87	.94057	.92093	10.437
#3	10.261	1.0769	490.22	.93690	.90692	10.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4504561 Acquired: 11/26/2021 8:22:03 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97419**	**.94689**	**.95485**	**1.0070**	**9.7400**	**.87451**
Stddev	.01130	.00573	.01431	.0114	.0433	.01163
%RSD	1.1600	.60515	1.4988	1.1309	.44471	1.3296
#1	.96520	.94154	.94078	.99955	9.6938	.86572
#2	.98688	.95294	.96939	1.0201	9.7463	.88770
#3	.97048	.94618	.95440	1.0013	9.7798	.87012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94268**	**.97435**	**.90570**	**.94028**	**.88251**
Stddev	.00533	.00068	.00947	.00857	.00924
%RSD	.56489	.06963	1.0455	.91094	1.0475
#1	.93781	.97358	.89726	.93040	.87634
#2	.94185	.97462	.91594	.94468	.89314
#3	.94836	.97485	.90390	.94574	.87805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1674.5**	**3167.5**	**48644.**	**4546.8**
Stddev	17.2	27.7	246.	9.8
%RSD	1.0282	.87452	.50593	.21557
#1	1688.5	3187.0	48878.	4537.5
#2	1655.3	3135.8	48388.	4557.1
#3	1679.6	3179.6	48665.	4545.7

Sample Name: CCVHI 4493023 Acquired: 11/26/2021 8:26:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**301.85**	**.00071**	**.00359**	**10.084**	**.00003**
Stddev	.00044	1.55	.00356	.00076	.032	.00011
%RSD	500.66	.51232	499.60	21.092	.31775	405.03
#1	-.00018	303.62	.00244	.00334	10.121	.00015
#2	.00060	301.20	-.00338	.00444	10.071	-.00006
#3	-.00015	300.73	.00307	.00299	10.061	-.00001
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**291.34**	**-.00030**	**-.00249**	**9.6411**	**10.939**	**233.06**
Stddev	1.44	.00013	.00027	.0687	.099	.72
%RSD	.49317	41.970	10.651	.71211	.90316	.30987
#1	292.99	-.00042	-.00233	9.7201	11.053	233.87
#2	290.37	-.00017	-.00280	9.6072	10.884	232.83
#3	290.65	-.00033	-.00235	9.5959	10.880	232.48
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04540**	**.00292**	**302.71**	**9.1281**	**.00231**	**.09953**
Stddev	.02399	.00210	.92	.0016	.00047	.00159
%RSD	52.844	71.875	.30314	.01729	20.264	1.6001
#1	.05038	.00535	303.76	9.1288	.00280	.09847
#2	.01931	.00185	302.05	9.1292	.00228	.10136
#3	.06650	.00157	302.32	9.1263	.00186	.09875
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CCVHI 4493023 Acquired: 11/26/2021 8:26:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**9.5624**	**-.00221**	**.01286**	**10.029**	**.00185**
Stddev	.00089	.0296	.00180	.00695	.028	.00029
%RSD	18.480	.30921	81.674	54.048	.27458	15.660
#1	.00387	9.5488	-.00030	.02001	10.050	.00196
#2	.00563	9.5964	-.00243	.01244	9.9977	.00152
#3	.00503	9.5421	-.00389	.00613	10.039	.00206
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01285**	**.00006**	**-.00068**	**.00185**	**9.1180**
Stddev	.00915	.00015	.00102	.00146	.0332
%RSD	71.193	256.03	148.97	78.774	.36387
#1	.02297	-.00002	-.00115	.00351	9.0830
#2	.01044	.00023	-.00139	.00075	9.1490
#3	.00515	-.00004	.00048	.00130	9.1220
Check ?	None	None	None	None	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1784.7**	**3252.7**	**49913.**	**4540.2**
Stddev	5.3	9.2	219.	20.8
%RSD	.29889	.28229	.43940	.45829
#1	1786.4	3260.5	49660.	4516.2
#2	1778.7	3242.6	50051.	4553.5
#3	1789.0	3255.0	50028.	4550.9

Sample Name: CCV 4546440 Acquired: 11/26/2021 8:31:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0024**	**24.589**	**.49660**	**2.0068**	**1.9718**	**1.9995**
Stddev	.0039	.221	.00331	.0035	.0187	.0237
%RSD	.38409	.89777	.66583	.17569	.94629	1.1841
#1	1.0022	24.366	.49852	2.0082	1.9542	1.9808
#2	1.0063	24.593	.49278	2.0093	1.9696	1.9917
#3	.99860	24.807	.49849	2.0027	1.9914	2.0261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.931**	**.49697**	**2.0133**	**1.9417**	**1.9677**	**24.834**
Stddev	.502	.00073	.0077	.0173	.0078	.292
%RSD	1.0057	.14707	.38517	.89115	.39591	1.1776
#1	49.472	.49671	2.0114	1.9493	1.9749	24.587
#2	49.854	.49779	2.0218	1.9539	1.9690	24.757
#3	50.467	.49640	2.0066	1.9219	1.9594	25.157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.61**	**2.0367**	**49.062**	**1.9199**	**1.9265**	**124.08**
Stddev	1.23	.0164	.535	.0069	.0011	1.20
%RSD	1.0237	.80485	1.0897	.35954	.05639	.96910
#1	119.64	2.0213	48.561	1.9202	1.9258	122.95
#2	120.19	2.0348	49.000	1.9266	1.9260	123.96
#3	122.00	2.0539	49.625	1.9128	1.9278	125.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 8:31:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0163**	**.49510**	**.48944**	**.49625**	**1.9782**	**1.8624**
Stddev	.0068	.00102	.00242	.00193	.0355	.0046
%RSD	.33867	.20689	.49485	.38940	1.7970	.24805
#1	2.0149	.49412	.48915	.49797	1.9534	1.8668
#2	2.0237	.49616	.49200	.49660	1.9621	1.8628
#3	2.0102	.49501	.48718	.49416	2.0189	1.8576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9821**	**1.9566**	**.95936**	**1.9914**	**1.9288**
Stddev	.0313	.0009	.00236	.0151	.0057
%RSD	1.5789	.04526	.24559	.75885	.29459
#1	1.9582	1.9569	.95872	1.9751	1.9285
#2	1.9707	1.9574	.96197	1.9940	1.9347
#3	2.0176	1.9556	.95739	2.0050	1.9233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1890.3**	**3418.5**	**52296.**	**4536.8**
Stddev	5.5	5.3	307.	61.0
%RSD	.29058	.15453	.58705	1.3437
#1	1893.9	3416.0	52261.	4592.0
#2	1884.0	3414.8	52008.	4546.9
#3	1893.1	3424.5	52619.	4471.4

Sample Name: CCB1 Acquired: 11/26/2021 8:35:33 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00473**	**.00155**	**.00405**	**.00014**	**.00009**
Stddev	.00016	.01854	.00099	.00024	.00011	.00003
%RSD	104.55	391.78	63.800	5.9352	78.396	29.729
#1	.00033	-.00519	.00091	.00430	.00022	.00011
#2	.00011	.01403	.00269	.00404	.00001	.00011
#3	.00002	-.02304	.00105	.00381	.00019	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00932**	**.00002**	**-.00004**	**.00009**	**.00056**	**-.00284**
Stddev	.00025	.00007	.00024	.00069	.00051	.00103
%RSD	2.6714	307.20	564.08	741.36	90.980	36.250
#1	-.00939	.00009	.00010	-.00053	-.00001	-.00320
#2	-.00904	-.00004	.00009	-.00002	.00070	-.00364
#3	-.00952	.00002	-.00032	.00083	.00097	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**-.00065**	**.03960**	**.00003**	**.00821**	**-.09177**
Stddev	.01112	.00059	.01946	.00003	.00090	.00482
%RSD	307.10	90.673	49.144	93.439	11.018	5.2488
#1	.01613	-.00118	.01726	.00002	.00917	-.09588
#2	-.00514	-.00075	.04865	.00006	.00808	-.09297
#3	-.00013	-.00002	.05289	.00001	.00737	-.08647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 11/26/2021 8:35:33 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00054**	**.00105**	**.00274**	**-.00145**	**-.00026**
Stddev	.00018	.00232	.00093	.00276	.00444	.00042
%RSD	88.913	426.59	89.008	100.75	305.56	163.11
#1	.00039	-.00151	.00035	.00298	-.00013	-.00007
#2	.00004	-.00222	.00068	-.00013	.00217	-.00073
#3	.00017	.00210	.00211	.00536	-.00640	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**.00043**	**.00072**	**.00650**	**.00042**
Stddev	.00495	.00010	.00100	.00463	.00020
%RSD	219.97	22.298	138.71	71.211	46.819
#1	.00030	.00036	.00172	.01040	.00043
#2	-.00143	.00039	-.00029	.00138	.00061
#3	.00788	.00054	.00073	.00773	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2249.7**	**3620.1**	**56115.**	**4636.6**
Stddev	7.9	18.8	489.	16.9
%RSD	.35277	.51875	.87164	.36511
#1	2258.5	3636.6	56240.	4621.2
#2	2243.1	3599.7	56530.	4654.8
#3	2247.4	3624.2	55576.	4633.9

Sample Name: MB 180-380104/1-A Acquired: 11/26/2021 8:40:14 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00709**	**-.00078**	**.00282**	**.00021**	**-.00003**
Stddev	.00002	.00984	.00077	.00033	.00017	.00004
%RSD	32.432	138.71	99.336	11.566	78.552	137.41
#1	-.00004	-.00250	-.00087	.00274	.00010	-.00001
#2	-.00004	-.00039	-.00150	.00254	.00040	.00000
#3	-.00007	-.01839	.00003	.00318	.00013	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**.00005**	**.00008**	**.00033**	**.00085**	**-.00083**
Stddev	.00227	.00017	.00007	.00046	.00041	.00025
%RSD	108.88	351.35	86.248	141.55	48.698	29.611
#1	-.00444	.00023	.00015	.00043	.00106	-.00057
#2	.00008	.00001	.00007	.00074	.00112	-.00085
#3	-.00189	-.00010	.00002	-.00018	.00037	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02974**	**.00038**	**.02096**	**.00011**	**.00318**	**-.09860**
Stddev	.04013	.00066	.01901	.00002	.00029	.00526
%RSD	134.94	173.49	90.700	17.321	9.2103	5.3368
#1	-.04379	.00057	-.00090	.00010	.00300	-.09415
#2	-.06094	.00092	.03020	.00010	.00352	-.09723
#3	.01553	-.00035	.03358	.00014	.00303	-.10441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380104/1-A Acquired: 11/26/2021 8:40:14 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00072**	**-.00088**	**.00159**	**-.00618**	**.00708**
Stddev	.00070	.00139	.00290	.00163	.01005	.00038
%RSD	410.85	193.25	331.76	103.04	162.59	5.3976
#1	-.00029	.00115	-.00345	.00127	-.01092	.00714
#2	-.00081	-.00084	.00227	.00335	-.01299	.00743
#3	.00058	.00184	-.00145	.00013	.00536	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00033**	**-.00083**	**.00208**	**.00225**
Stddev	.00238	.00018	.00094	.00216	.00015
%RSD	165.60	52.872	113.42	103.72	6.7411
#1	.00281	.00016	-.00175	-.00009	.00209
#2	-.00131	.00051	.00012	.00423	.00238
#3	.00280	.00033	-.00085	.00211	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2265.2**	**3668.2**	**55630.**	**4649.2**
Stddev	53.9	79.4	1242.	12.5
%RSD	2.3794	2.1643	2.2330	.26929
#1	2327.4	3759.9	56334.	4657.6
#2	2233.4	3621.1	56360.	4655.1
#3	2234.8	3623.7	54195.	4634.8

Sample Name: LCS 180-380104/2-A Acquired: 11/26/2021 8:44:54 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23335**	**4.7575**	**.97043**	**1.2093**	**.94729**	**.47811**
Stddev	.00048	.0258	.00425	.0039	.00213	.00247
%RSD	.20458	.54218	.43751	.31834	.22522	.51587
#1	.23280	4.7281	.96556	1.2052	.94485	.47534
#2	.23371	4.7766	.97245	1.2098	.94878	.48007
#3	.23353	4.7678	.97330	1.2129	.94825	.47891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.961**	**.46937**	**.47289**	**.47738**	**.48564**	**4.7483**
Stddev	.093	.00136	.00038	.00201	.00096	.0262
%RSD	.38946	.28869	.07944	.42020	.19849	.55190
#1	23.868	.46885	.47247	.47654	.48458	4.7201
#2	23.960	.46835	.47304	.47593	.48590	4.7529
#3	24.055	.47091	.47318	.47967	.48645	4.7719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.644**	**.49223**	**23.174**	**.46853**	**.47812**	**23.354**
Stddev	.074	.00041	.066	.00059	.00174	.069
%RSD	.32479	.08261	.28304	.12548	.36365	.29636
#1	22.563	.49232	23.129	.46864	.47688	23.293
#2	22.705	.49258	23.144	.46789	.47738	23.429
#3	22.665	.49179	23.250	.46905	.48011	23.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380104/2-A Acquired: 11/26/2021 8:44:54 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46747**	**.45160**	**.22231**	**.94429**	**.90689**	**.94067**
Stddev	.00061	.00119	.00282	.00471	.00553	.00197
%RSD	.13111	.26315	1.2687	.49839	.61000	.20896
#1	.46676	.45026	.21951	.93899	.90171	.93963
#2	.46778	.45204	.22515	.94587	.90625	.93944
#3	.46786	.45252	.22226	.94800	.91272	.94293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.46968**	**.48424**	**.90137**	**.47535**	**.23434**
Stddev	.00301	.00082	.00318	.00255	.00077
%RSD	.64053	.16954	.35303	.53703	.32892
#1	.47068	.48506	.89791	.47580	.23396
#2	.46630	.48342	.90203	.47260	.23384
#3	.47207	.48423	.90417	.47765	.23523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2061.4**	**3503.2**	**54212.**	**4770.0**
Stddev	4.1	5.0	93.	8.5
%RSD	.19945	.14208	.17222	.17772
#1	2060.6	3497.4	54126.	4770.5
#2	2057.8	3505.8	54197.	4778.2
#3	2065.9	3506.2	54311.	4761.3

Sample Name: 180-130399-A-1-A Acquired: 11/26/2021 8:49:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**110.80**	**.08218**	**.03066**	**1.4476**	**.00564**
Stddev	.00050	.16	.00150	.00102	.0016	.00002
%RSD	64.963	.14340	1.8257	3.3140	.10743	.33848
#1	-.00024	110.96	.08101	.03183	1.4486	.00565
#2	-.00085	110.80	.08166	.03021	1.4485	.00562
#3	-.00124	110.64	.08388	.02995	1.4458	.00564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.724**	**.00087**	**.09453**	**.15460**	**.23775**	**209.05**
Stddev	.023	.00008	.00118	.00108	.00252	.62
%RSD	.09925	9.3697	1.2441	.69677	1.0604	.29437
#1	22.750	.00093	.09585	.15529	.23840	209.66
#2	22.708	.00091	.09419	.15336	.23497	208.43
#3	22.714	.00078	.09357	.15515	.23988	209.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0492**	**.21347**	**27.939**	**5.6969**	**.00481**	**.45488**
Stddev	.0661	.00117	.114	.0311	.00022	.00535
%RSD	.73043	.54654	.40660	.54567	4.5354	1.1759
#1	9.1051	.21215	28.054	5.7015	.00504	.45083
#2	8.9762	.21388	27.827	5.6638	.00477	.45287
#3	9.0664	.21437	27.936	5.7255	.00461	.46095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-A Acquired: 11/26/2021 8:49:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25103**	**.37266**	**-.00031**	**.00737**	**6.4138**	**.03530**
Stddev	.00337	.00465	.00032	.00285	.0148	.00064
%RSD	1.3440	1.2487	103.12	38.679	.23054	1.8020
#1	.25470	.37788	-.00021	.00944	6.4296	.03595
#2	.25033	.37115	-.00005	.00412	6.4114	.03468
#3	.24806	.36895	-.00067	.00856	6.4003	.03528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.23568**	**.68510**	**-.00402**	**.15213**	**.68229**
Stddev	.00322	.00369	.00089	.00413	.00856
%RSD	1.3651	.53902	22.048	2.7165	1.2547
#1	.23939	.68740	-.00474	.15451	.69077
#2	.23404	.68084	-.00429	.14736	.68247
#3	.23362	.68706	-.00303	.15452	.67365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2038.0**	**3964.7**	**61192.**	**5444.3**
Stddev	26.0	50.1	376.	33.6
%RSD	1.2749	1.2627	.61507	.61678
#1	2010.8	3913.6	61025.	5413.8
#2	2040.5	3966.9	61623.	5480.3
#3	2062.5	4013.6	60927.	5438.8

Sample Name: 180-130399-A-1A SD@5 Acquired: 11/26/2021 8:53:49 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**25.297**	**.01799**	**.00835**	**.33192**	**.00128**
Stddev	.00034	.366	.00076	.00074	.00417	.00010
%RSD	110.38	1.4454	4.2402	8.8401	1.2569	7.9850
#1	.00007	24.921	.01713	.00783	.32836	.00132
#2	-.00059	25.652	.01827	.00920	.33651	.00135
#3	-.00040	25.319	.01858	.00803	.33088	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2347**	**.00019**	**.01955**	**.03564**	**.05332**	**49.199**
Stddev	.0606	.00009	.00013	.00049	.00105	.510
%RSD	1.1571	48.069	.65618	1.3749	1.9670	1.0374
#1	5.1834	.00013	.01953	.03523	.05212	48.922
#2	5.3015	.00014	.01969	.03552	.05403	49.789
#3	5.2191	.00030	.01944	.03618	.05382	48.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9607**	**.04595**	**6.4094**	**1.3569**	**.00141**	**-.03761**
Stddev	.0437	.00160	.1204	.0095	.00024	.00293
%RSD	2.2310	3.4825	1.8782	.70289	17.265	7.7865
#1	1.9419	.04474	6.2860	1.3609	.00164	-.04079
#2	2.0107	.04777	6.5265	1.3461	.00116	-.03700
#3	1.9296	.04534	6.4157	1.3639	.00143	-.03503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1A SD@5 Acquired: 11/26/2021 8:53:49 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**.07644**	**-.00156**	**-.00106**	**1.5032**	**.00804**
Stddev	.00026	.00242	.00007	.00292	.0112	.00057
%RSD	.51247	3.1665	4.4212	275.37	.74532	7.0942
#1	.05176	.07919	-.00150	-.00428	1.5081	.00864
#2	.05153	.07552	-.00155	.00142	1.5111	.00751
#3	.05123	.07461	-.00163	-.00032	1.4904	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05569**	**.16039**	**.00082**	**.03690**	**.15831**
Stddev	.00750	.00787	.00104	.00233	.00069
%RSD	13.468	4.9056	127.92	6.3118	.43807
#1	.05597	.15527	.00172	.03941	.15905
#2	.04806	.16945	-.00033	.03480	.15767
#3	.06305	.15645	.00105	.03650	.15822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2150.3**	**3694.4**	**56853.**	**4916.4**
Stddev	7.3	8.9	344.	26.9
%RSD	.33994	.24115	.60540	.54636
#1	2142.9	3684.1	56685.	4936.1
#2	2150.5	3699.3	57249.	4885.8
#3	2157.6	3699.8	56625.	4927.2

Sample Name: 180-130399-A-1-B MS Acquired: 11/26/2021 8:58:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17421**	**130.21**	**.80095**	**.85273**	**2.1200**	**.36066**
Stddev	.00102	.25	.02126	.01784	.0042	.00120
%RSD	.58535	.18838	2.6543	2.0921	.19722	.33391
#1	.17304	130.01	.78262	.84032	2.1154	.36088
#2	.17465	130.13	.82425	.87317	2.1211	.36174
#3	.17493	130.48	.79597	.84470	2.1236	.35936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.491**	**.35415**	**.50225**	**.51892**	**.62698**	**219.63**
Stddev	.097	.00752	.01262	.00409	.00411	.36
%RSD	.23978	2.1240	2.5117	.78774	.65606	.16383
#1	40.477	.34864	.49194	.51463	.62276	219.86
#2	40.402	.36272	.51632	.51937	.62720	219.83
#3	40.595	.35110	.49850	.52277	.63098	219.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.385**	**.61960**	**47.591**	**6.4740**	**.34067**	**17.744**
Stddev	.171	.00183	.074	.0478	.00724	.110
%RSD	.62451	.29476	.15449	.73913	2.1239	.62249
#1	27.440	.61878	47.676	6.4192	.33477	17.734
#2	27.521	.61832	47.553	6.5072	.34874	17.859
#3	27.193	.62169	47.545	6.4957	.33849	17.639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-B MS Acquired: 11/26/2021 8:58:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66370**	**.73476**	**.08464**	**.70779**	**8.6811**	**.63659**
Stddev	.01714	.01952	.00064	.01887	.0722	.01303
%RSD	2.5822	2.6570	.75292	2.6659	.83205	2.0464
#1	.64990	.71963	.08509	.69126	8.7348	.62669
#2	.68288	.75680	.08493	.72835	8.7094	.65135
#3	.65831	.72785	.08391	.70375	8.5989	.63172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47874**	**1.0054**	**.72430**	**.51445**	**.90971**
Stddev	.01012	.0049	.01418	.00490	.02153
%RSD	2.1138	.48303	1.9574	.95235	2.3667
#1	.47908	1.0001	.71565	.50881	.89254
#2	.46846	1.0065	.74066	.51761	.93386
#3	.48869	1.0096	.71657	.51693	.90273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1970.7**	**3887.7**	**60264.**	**5387.6**
Stddev	42.0	74.3	263.	13.5
%RSD	2.1314	1.9123	.43681	.25063
#1	2002.7	3942.0	60567.	5373.3
#2	1923.1	3803.0	60123.	5389.6
#3	1986.3	3918.1	60101.	5400.1

Sample Name: 180-130399-A-1-C MSD Acquired: 11/26/2021 9:02:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17224**	**124.68**	**.77844**	**.83821**	**2.0313**	**.35410**
Stddev	.00095	.17	.00258	.00292	.0015	.00014
%RSD	.54881	.13761	.33119	.34861	.07440	.03858
#1	.17331	124.62	.78107	.84069	2.0301	.35399
#2	.17187	124.87	.77832	.83894	2.0308	.35426
#3	.17153	124.54	.77592	.83499	2.0330	.35406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.776**	**.34377**	**.48383**	**.49279**	**.64778**	**211.84**
Stddev	.019	.00025	.00064	.00067	.00370	.01
%RSD	.05137	.07142	.13298	.13571	.57167	.00319
#1	36.755	.34403	.48431	.49291	.64918	211.83
#2	36.791	.34373	.48310	.49339	.65058	211.84
#3	36.782	.34354	.48408	.49207	.64358	211.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.717**	**.59221**	**45.995**	**6.8549**	**.32816**	**17.470**
Stddev	.062	.00289	.195	.0096	.00011	.039
%RSD	.25119	.48777	.42475	.14062	.03233	.22528
#1	24.664	.59399	45.955	6.8441	.32808	17.426
#2	24.785	.59376	45.823	6.8626	.32828	17.502
#3	24.702	.58887	46.207	6.8580	.32811	17.482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-C MSD Acquired: 11/26/2021 9:02:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63922**	**.76937**	**.08327**	**.68097**	**7.9209**	**.62446**
Stddev	.00058	.00379	.00042	.00400	.0267	.00140
%RSD	.09146	.49212	.50326	.58803	.33689	.22390
#1	.63921	.77370	.08336	.68554	7.9319	.62563
#2	.63863	.76779	.08364	.67811	7.8905	.62291
#3	.63980	.76664	.08282	.67925	7.9403	.62484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48368**	**.99589**	**.70993**	**.50422**	**.87903**
Stddev	.00218	.00262	.00341	.00238	.00140
%RSD	.45150	.26300	.48010	.47268	.15898
#1	.48264	.99889	.71246	.50305	.87765
#2	.48221	.99404	.71127	.50696	.87899
#3	.48619	.99475	.70605	.50265	.88044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1986.5**	**3949.4**	**60634.**	**5383.6**
Stddev	3.5	6.9	165.	12.5
%RSD	.17823	.17382	.27138	.23171
#1	1982.9	3942.8	60551.	5397.5
#2	1986.8	3948.7	60527.	5373.3
#3	1989.9	3956.5	60823.	5380.1

Sample Name: 180-130399-A-1-A PDS Acquired: 11/26/2021 9:07:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22044**	**113.38**	**.98863**	**1.1467**	**2.3000**	**.45463**
Stddev	.00016	.01	.00270	.0023	.0059	.00186
%RSD	.07129	.01237	.27266	.19921	.25702	.40906
#1	.22026	113.37	.99168	1.1447	2.2931	.45368
#2	.22055	113.39	.98656	1.1492	2.3036	.45344
#3	.22050	113.37	.98765	1.1462	2.3032	.45678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.178**	**.44728**	**.59684**	**.59031**	**.69607**	**206.39**
Stddev	.101	.00090	.00108	.00048	.00045	.41
%RSD	.22840	.20033	.18148	.08064	.06409	.19761
#1	44.141	.44727	.59643	.59072	.69653	206.22
#2	44.101	.44818	.59807	.59041	.69564	206.09
#3	44.292	.44639	.59602	.58979	.69602	206.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.235**	**.67971**	**49.204**	**5.9012**	**.43744**	**22.552**
Stddev	.135	.00238	.347	.0277	.00167	.118
%RSD	.44770	.35046	.70494	.46885	.38244	.52330
#1	30.205	.67713	48.898	5.9280	.43701	22.475
#2	30.118	.68183	49.133	5.9030	.43928	22.493
#3	30.383	.68016	49.581	5.8727	.43602	22.688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-A PDS Acquired: 11/26/2021 9:07:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73942**	**.83110**	**.20203**	**.89366**	**7.3504**	**.86056**
Stddev	.00260	.00302	.00195	.00757	.0513	.00368
%RSD	.35177	.36295	.96487	.84703	.69734	.42746
#1	.74110	.83440	.20323	.88620	7.3016	.86169
#2	.74074	.83040	.20308	.90133	7.4038	.86355
#3	.73642	.82849	.19978	.89346	7.3457	.85645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.66474**	**1.1116**	**.93123**	**.58860**	**.86032**
Stddev	.00650	.0009	.00407	.00152	.00341
%RSD	.97725	.07725	.43750	.25888	.39609
#1	.65817	1.1111	.93017	.58761	.86101
#2	.66489	1.1126	.93573	.58784	.86332
#3	.67116	1.1112	.92778	.59035	.85662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1984.3**	**3929.9**	**60264.**	**5378.4**
Stddev	7.0	10.2	91.	14.0
%RSD	.35459	.25934	.15031	.26037
#1	1981.6	3927.0	60176.	5381.6
#2	1979.1	3921.4	60259.	5390.5
#3	1992.4	3941.2	60357.	5363.0

Sample Name: 180-130399-A-2-A Acquired: 11/26/2021 9:11:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**79.230**	**.06777**	**.02293**	**.95362**	**.00381**
Stddev	.00013	.050	.00136	.00070	.00129	.00018
%RSD	12.004	.06297	2.0140	3.0556	.13537	4.8472
#1	-.00105	79.192	.06870	.02369	.95264	.00399
#2	-.00096	79.212	.06840	.02278	.95315	.00383
#3	-.00122	79.286	.06620	.02231	.95509	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.081**	**.00082**	**.05526**	**.14460**	**.49713**	**154.31**
Stddev	.031	.00015	.00028	.00158	.00211	.19
%RSD	.18207	17.761	.50547	1.0951	.42528	.12003
#1	17.104	.00070	.05539	.14583	.49678	154.32
#2	17.045	.00098	.05493	.14281	.49522	154.12
#3	17.093	.00077	.05544	.14517	.49940	154.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0105**	**.13083**	**17.264**	**4.8871**	**.00554**	**.20173**
Stddev	.0244	.00053	.083	.0092	.00050	.00840
%RSD	.48710	.40307	.48224	.18850	8.9907	4.1654
#1	5.0183	.13131	17.269	4.8977	.00611	.20110
#2	4.9831	.13026	17.178	4.8813	.00527	.21042
#3	5.0300	.13091	17.344	4.8823	.00523	.19365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-2-A Acquired: 11/26/2021 9:11:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29941**	**.25205**	**.00180**	**.00864**	**8.0831**	**.04513**
Stddev	.00169	.00153	.00114	.00128	.0265	.00079
%RSD	.56611	.60841	63.244	14.783	.32727	1.7493
#1	.30001	.25258	.00084	.00718	8.1018	.04584
#2	.29749	.25032	.00306	.00922	8.0529	.04428
#3	.30072	.25324	.00151	.00952	8.0948	.04528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11044**	**.68235**	**-.00200**	**.12391**	**.65790**
Stddev	.00302	.00303	.00054	.00462	.00036
%RSD	2.7385	.44373	26.772	3.7290	.05455
#1	.11389	.68297	-.00225	.11982	.65830
#2	.10823	.67906	-.00139	.12299	.65779
#3	.10920	.68502	-.00237	.12892	.65761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2097.8**	**3787.0**	**58185.**	**5102.8**
Stddev	9.0	9.8	174.	10.1
%RSD	.43087	.25792	.29881	.19720
#1	2089.7	3776.3	58024.	5094.7
#2	2107.5	3795.5	58369.	5114.1
#3	2096.2	3789.1	58162.	5099.7

Sample Name: 180-130399-A-3-A Acquired: 11/26/2021 9:16:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**95.365**	**.05309**	**.01778**	**.85401**	**.00386**
Stddev	.00019	.127	.00357	.00030	.00101	.00010
%RSD	17.405	.13284	6.7188	1.6919	.11798	2.5818
#1	-.00088	95.476	.05609	.01812	.85510	.00396
#2	-.00125	95.392	.04914	.01760	.85382	.00384
#3	-.00117	95.227	.05404	.01760	.85312	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7935**	**.00135**	**.05573**	**.10153**	**.13754**	**143.89**
Stddev	.0284	.00005	.00018	.00015	.00041	.58
%RSD	.32296	4.0536	.32663	.15254	.30048	.40500
#1	8.8263	.00135	.05583	.10142	.13802	144.35
#2	8.7764	.00130	.05584	.10148	.13729	144.09
#3	8.7777	.00141	.05552	.10171	.13732	143.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2276**	**.13382**	**18.851**	**5.0451**	**.00233**	**.13838**
Stddev	.0195	.00064	.083	.0129	.00027	.00597
%RSD	.46062	.47576	.44183	.25604	11.641	4.3150
#1	4.2138	.13310	18.910	5.0310	.00264	.14452
#2	4.2190	.13405	18.888	5.0478	.00218	.13802
#3	4.2498	.13431	18.756	5.0564	.00216	.13259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-3-A Acquired: 11/26/2021 9:16:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14704**	**.10327**	**.00069**	**.00234**	**6.7111**	**.03337**
Stddev	.00106	.00191	.00012	.00339	.0558	.00090
%RSD	.71811	1.8514	17.375	144.49	.83160	2.7001
#1	.14725	.10373	.00056	-.00001	6.7194	.03435
#2	.14797	.10491	.00069	.00622	6.7623	.03258
#3	.14589	.10117	.00080	.00082	6.6516	.03320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06370**	**.61192**	**-.00288**	**.13764**	**.49638**
Stddev	.00434	.00300	.00155	.00346	.00148
%RSD	6.8063	.49104	53.762	2.5144	.29891
#1	.05905	.61138	-.00306	.13401	.49782
#2	.06441	.61516	-.00125	.13801	.49486
#3	.06763	.60922	-.00433	.14090	.49646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2101.4**	**3769.7**	**57482.**	**5029.2**
Stddev	4.6	10.0	128.	9.4
%RSD	.22053	.26470	.22196	.18602
#1	2096.5	3759.2	57479.	5018.9
#2	2102.0	3779.0	57611.	5031.8
#3	2105.7	3771.0	57356.	5037.1

Sample Name: 180-130399-A-4-A Acquired: 11/26/2021 9:20:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**82.587**	**.07980**	**.02096**	**1.2230**	**.00427**
Stddev	.00051	.066	.00144	.00057	.0020	.00012
%RSD	76.761	.07997	1.8105	2.7014	.16710	2.9089
#1	-.00034	82.530	.07908	.02095	1.2216	.00440
#2	-.00126	82.572	.08147	.02040	1.2253	.00424
#3	-.00041	82.660	.07887	.02154	1.2220	.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.776**	**.00056**	**.04545**	**.08790**	**.16785**	**131.43**
Stddev	.013	.00014	.00063	.00046	.00002	.26
%RSD	.06805	24.755	1.3847	.52474	.01026	.19801
#1	18.762	.00069	.04514	.08785	.16787	131.69
#2	18.787	.00056	.04503	.08838	.16785	131.42
#3	18.779	.00042	.04617	.08747	.16783	131.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3992**	**.11465**	**13.438**	**4.3089**	**.00444**	**.16375**
Stddev	.0243	.00071	.055	.0129	.00023	.00543
%RSD	.71476	.62360	.41080	.29814	5.2483	3.3165
#1	3.4204	.11532	13.493	4.2940	.00471	.16161
#2	3.4045	.11390	13.438	4.3158	.00429	.15971
#3	3.3727	.11472	13.383	4.3168	.00433	.16992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-4-A Acquired: 11/26/2021 9:20:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10190**	**.34853**	**-.00002**	**.00855**	**7.3488**	**.05074**
Stddev	.00102	.00152	.00116	.00266	.0091	.00055
%RSD	1.0046	.43597	5549.9	31.047	.12375	1.0861
#1	.10158	.34726	-.00112	.01043	7.3383	.05040
#2	.10108	.34812	-.00013	.00551	7.3545	.05044
#3	.10305	.35021	.00119	.00972	7.3536	.05137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.13154**	**.74609**	**-.00008**	**.14003**	**.44493**
Stddev	.00604	.00140	.00124	.00481	.00373
%RSD	4.5882	.18702	1508.3	3.4322	.83833
#1	.13818	.74454	.00133	.14489	.44332
#2	.13004	.74650	-.00100	.13993	.44227
#3	.12639	.74724	-.00058	.13528	.44919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2112.0**	**3767.8**	**57764.**	**5031.2**
Stddev	16.7	23.6	202.	18.4
%RSD	.79213	.62665	.34971	.36556
#1	2117.3	3771.9	57967.	5024.1
#2	2125.5	3789.1	57563.	5017.4
#3	2093.3	3742.4	57761.	5052.1

Sample Name: CCV 4546440 Acquired: 11/26/2021 9:25:30 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99974**	**24.130**	**.49429**	**1.9900**	**1.9245**	**1.9351**
Stddev	.00187	.061	.00261	.0037	.0036	.0069
%RSD	.18680	.25464	.52768	.18847	.18851	.35619
#1	1.0011	24.197	.49717	1.9865	1.9255	1.9345
#2	.99760	24.114	.49209	1.9895	1.9274	1.9423
#3	1.0005	24.077	.49360	1.9939	1.9204	1.9286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.866**	**.49230**	**2.0073**	**1.9391**	**1.9767**	**24.025**
Stddev	.228	.00080	.0033	.0078	.0084	.074
%RSD	.46570	.16182	.16315	.40068	.42639	.30944
#1	49.125	.49273	2.0039	1.9422	1.9730	24.018
#2	48.778	.49138	2.0074	1.9303	1.9708	24.103
#3	48.696	.49278	2.0105	1.9449	1.9864	23.954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.57**	**2.0169**	**47.639**	**1.8962**	**1.9135**	**119.41**
Stddev	.56	.0063	.059	.0045	.0032	.71
%RSD	.47815	.31240	.12477	.23828	.16689	.59770
#1	116.17	2.0229	47.681	1.8994	1.9101	118.83
#2	117.20	2.0176	47.664	1.8910	1.9139	120.21
#3	116.33	2.0103	47.571	1.8981	1.9164	119.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 9:25:30 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0012**	**.49210**	**.48713**	**.49669**	**1.9041**	**1.8482**
Stddev	.0035	.00336	.00050	.00661	.0239	.0031
%RSD	.17473	.68294	.10308	1.3314	1.2567	.16914
#1	1.9987	.48880	.48704	.49004	1.9234	1.8512
#2	1.9997	.49197	.48667	.49677	1.9114	1.8449
#3	2.0052	.49552	.48767	.50327	1.8773	1.8484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9033**	**1.9337**	**.95365**	**1.9458**	**1.8976**
Stddev	.0122	.0009	.00155	.0104	.0035
%RSD	.64221	.04741	.16210	.53497	.18533
#1	1.8965	1.9336	.95512	1.9576	1.8990
#2	1.9174	1.9347	.95204	1.9378	1.8936
#3	1.8959	1.9329	.95380	1.9421	1.9003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1911.7**	**3472.9**	**52896.**	**4682.4**
Stddev	2.7	4.3	101.	15.2
%RSD	.13989	.12271	.19166	.32434
#1	1914.0	3472.6	52805.	4679.4
#2	1912.5	3477.3	53006.	4668.9
#3	1908.8	3468.8	52878.	4698.8

Sample Name: CCB2 Acquired: 11/26/2021 9:29:53 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00648**	**.00124**	**.00182**	**.00022**	**.00012**
Stddev	.00023	.00248	.00195	.00034	.00015	.00011
%RSD	149.92	38.362	156.67	18.470	67.257	86.587
#1	.00041	-.00818	.00005	.00153	.00034	.00025
#2	.00010	-.00762	.00349	.00219	.00026	.00006
#3	-.00004	-.00363	.00019	.00175	.00006	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00618**	**-.00011**	**.00005**	**.00030**	**.00067**	**-.00342**
Stddev	.00976	.00011	.00027	.00017	.00120	.00042
%RSD	157.87	101.09	580.92	56.232	178.59	12.197
#1	-.00554	-.00002	.00031	.00045	-.00031	-.00368
#2	.00324	-.00024	.00005	.00034	.00031	-.00365
#3	-.01624	-.00007	-.00022	.00012	.00201	-.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03624**	**-.00060**	**.01586**	**.00006**	**.00766**	**-.19600**
Stddev	.01315	.00047	.02059	.00002	.00109	.00522
%RSD	36.277	79.401	129.81	37.653	14.249	2.6625
#1	-.02327	-.00008	.03943	.00008	.00883	-.19752
#2	-.04956	-.00070	.00141	.00004	.00748	-.19019
#3	-.03589	-.00101	.00673	.00005	.00667	-.20029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 11/26/2021 9:29:53 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00030**	**-.00085**	**.00268**	**.00043**	**-.00042**
Stddev	.00090	.00130	.00219	.00436	.00169	.00025
%RSD	1624.6	439.36	259.02	162.78	396.37	60.070
#1	-.00089	-.00109	.00136	.00754	.00201	-.00024
#2	.00090	.00049	-.00087	-.00089	-.00135	-.00030
#3	-.00018	.00149	-.00303	.00138	.00062	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.00022**	**.00024**	**.00445**	**.00101**
Stddev	.00604	.00010	.00062	.00324	.00008
%RSD	363.17	47.927	256.11	72.824	7.6807
#1	-.00487	.00031	-.00039	.00401	.00104
#2	-.00543	.00010	.00085	.00145	.00106
#3	.00531	.00024	.00027	.00789	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2238.0**	**3595.7**	**56428.**	**4800.7**
Stddev	7.7	13.6	113.	7.9
%RSD	.34302	.37811	.20101	.16507
#1	2241.8	3601.9	56303.	4793.8
#2	2229.2	3580.2	56525.	4798.8
#3	2243.1	3605.2	56454.	4809.4

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:34:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.18238**	**.01065**	**.20182**	**.19816**	**.00399**
Stddev	.00030	.01758	.00105	.00294	.00089	.00006
%RSD	6.2372	9.6370	9.8622	1.4573	.45055	1.6266
#1	.00446	.19051	.00945	.19877	.19796	.00405
#2	.00474	.19441	.01112	.20464	.19913	.00392
#3	.00505	.16221	.01138	.20204	.19738	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9185**	**.00497**	**.04752**	**.00488**	**.02543**	**.09269**
Stddev	.0095	.00010	.00064	.00028	.00163	.00287
%RSD	.19280	1.9139	1.3446	5.7927	6.3906	3.1010
#1	4.9187	.00495	.04727	.00474	.02698	.09246
#2	4.9279	.00507	.04825	.00470	.02374	.09567
#3	4.9090	.00488	.04705	.00520	.02557	.08994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5907**	**.04704**	**5.0198**	**.01482**	**.04016**	**4.5306**
Stddev	.0427	.00050	.0192	.00004	.00047	.0380
%RSD	.92958	1.0721	.38304	.27607	1.1588	.83945
#1	4.5693	.04678	5.0016	.01480	.03967	4.5033
#2	4.6399	.04762	5.0399	.01486	.04059	4.5740
#3	4.5630	.04671	5.0181	.01479	.04024	4.5144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:34:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03852**	**.00999**	**.01036**	F **.00689**	**.57267**	**.09595**
Stddev	.00059	.00233	.00126	.00302	.01054	.00113
%RSD	1.5344	23.308	12.146	43.885	1.8408	1.1800
#1	.03837	.01008	.00903	.00356	.57350	.09526
#2	.03801	.00761	.01153	.00763	.56175	.09725
#3	.03916	.01227	.01051	.00946	.58278	.09533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				.01000		
Range				-30.000%		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04599**	**.04887**	**.01792**	**.05246**	**.02034**
Stddev	.00671	.00012	.00087	.00115	.00016
%RSD	14.590	.24377	4.8756	2.1862	.80165
#1	.05099	.04879	.01699	.05359	.02016
#2	.03836	.04881	.01873	.05249	.02038
#3	.04862	.04901	.01803	.05129	.02048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2208.0**	**3609.4**	**56476.**	**4790.4**
Stddev	16.1	30.6	34.	33.4
%RSD	.72737	.84787	.06023	.69777
#1	2225.0	3641.9	56444.	4823.5
#2	2193.1	3581.1	56473.	4791.0
#3	2205.9	3605.2	56512.	4756.6

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:39:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**.19940**	**.01235**	**.20166**	**.20039**	**.00417**
Stddev	.00030	.02005	.00127	.00072	.00248	.00007
%RSD	6.0608	10.053	10.286	.35486	1.2361	1.6820
#1	.00500	.21394	.01327	.20236	.20324	.00417
#2	.00524	.17653	.01090	.20169	.19883	.00424
#3	.00464	.20772	.01287	.20093	.19909	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9632**	**.00491**	**.04704**	**.00486**	**.02548**	**.09669**
Stddev	.0480	.00012	.00019	.00039	.00041	.00205
%RSD	.96615	2.4295	.41193	7.9160	1.5948	2.1247
#1	5.0183	.00503	.04724	.00514	.02584	.09849
#2	4.9307	.00490	.04701	.00442	.02504	.09713
#3	4.9407	.00480	.04686	.00503	.02557	.09445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6363**	**.04766**	**5.0162**	**.01498**	**.03896**	**4.5906**
Stddev	.0109	.00236	.0818	.00019	.00011	.0423
%RSD	.23418	4.9555	1.6315	1.2529	.28051	.92163
#1	4.6487	.05028	5.1107	.01519	.03884	4.6394
#2	4.6319	.04570	4.9715	.01483	.03899	4.5667
#3	4.6283	.04701	4.9665	.01492	.03905	4.5656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:39:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03857**	**.00907**	**.00930**	**.00859**	**.56306**	**.09466**
Stddev	.00060	.00165	.00109	.00146	.01444	.00093
%RSD	1.5638	18.240	11.727	17.002	2.5647	.97759
#1	.03884	.01011	.00924	.00725	.57130	.09374
#2	.03788	.00716	.00824	.01015	.54638	.09559
#3	.03900	.00994	.01042	.00836	.57149	.09464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04515**	**.04892**	**.01917**	**.04913**	**.02037**
Stddev	.00533	.00031	.00098	.00180	.00021
%RSD	11.808	.62378	5.0978	3.6643	1.0450
#1	.04815	.04926	.01930	.04756	.02062
#2	.04830	.04867	.01813	.04874	.02027
#3	.03899	.04883	.02007	.05109	.02023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2214.6**	**3619.8**	**55821.**	**4733.3**
Stddev	9.4	7.3	352.	46.5
%RSD	.42281	.20195	.63060	.98152
#1	2203.8	3612.1	55417.	4680.1
#2	2219.1	3626.7	56058.	4753.6
#3	2220.9	3620.5	55989.	4766.1

Sample Name: MB 180-380092/1-A Acquired: 11/26/2021 9:50:31 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00240**	**-.00002**	**.00072**	**-.00005**	**.00013**
Stddev	.00073	.02607	.00181	.00023	.00006	.00012
%RSD	791.71	1087.1	8703.3	32.001	119.70	91.351
#1	.00094	-.03246	.00188	.00058	-.00009	.00026
#2	-.00032	.01415	-.00171	.00060	.00002	.00002
#3	-.00035	.01111	-.00023	.00099	-.00009	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**-.00000**	**-.00013**	**.00310**	**.00150**	**.01078**
Stddev	.00350	.00019	.00022	.00020	.00090	.00220
%RSD	116.81	22777.	172.50	6.4005	59.960	20.433
#1	.00350	-.00001	-.00036	.00323	.00058	.00826
#2	.00621	.00019	.00007	.00287	.00239	.01173
#3	-.00073	-.00019	-.00008	.00319	.00154	.01235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07866**	**-.00048**	**.02273**	**.00033**	**.00091**	**-.20925**
Stddev	.01867	.00042	.01584	.00005	.00020	.00296
%RSD	23.738	86.496	69.706	16.372	21.487	1.4137
#1	-.05712	-.00000	.00881	.00038	.00112	-.20780
#2	-.09016	-.00077	.03996	.00027	.00073	-.21265
#3	-.08872	-.00067	.01941	.00032	.00088	-.20729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380092/1-A Acquired: 11/26/2021 9:50:31 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00121**	**-.00121**	**.00030**	**.00603**	**.00897**
Stddev	.00056	.00057	.00205	.00182	.00894	.00095
%RSD	51.362	47.490	170.34	598.59	148.19	10.566
#1	.00091	.00063	-.00336	-.00160	-.00324	.01007
#2	.00173	.00177	.00073	.00049	.00674	.00842
#3	.00065	.00122	-.00098	.00202	.01460	.00844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.00068**	**-.00198**	**.00218**	**.00390**
Stddev	.00445	.00019	.00130	.00388	.00010
%RSD	145.21	28.435	65.705	177.69	2.6404
#1	.00207	.00078	-.00307	.00133	.00380
#2	-.00588	.00079	-.00233	.00641	.00400
#3	-.00540	.00046	-.00054	-.00119	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2227.5**	**3616.6**	**58850.**	**4758.3**
Stddev	3.5	7.3	2261.	51.6
%RSD	.15686	.20131	3.8417	1.0838
#1	2227.5	3619.8	56709.	4750.7
#2	2224.1	3608.3	61214.	4710.9
#3	2231.0	3621.8	58628.	4813.2

Sample Name: LCS 180-380092/2-A Acquired: 11/26/2021 9:55:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22692**	**4.6803**	**.95830**	**1.2217**	**.93350**	**.47259**
Stddev	.00044	.0859	.02769	.0413	.01106	.00462
%RSD	.19545	1.8349	2.8893	3.3839	1.1844	.97847
#1	.22677	4.6636	.98990	1.2691	.93320	.47394
#2	.22657	4.7733	.94668	1.2032	.94470	.47639
#3	.22742	4.6041	.93832	1.1929	.92260	.46744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.666**	**.46711**	**.46930**	**.46095**	**.46548**	**4.6518**
Stddev	.310	.01534	.01527	.00119	.00228	.0512
%RSD	1.3116	3.2849	3.2543	.25885	.49002	1.1011
#1	23.606	.48460	.48688	.45984	.46465	4.6596
#2	24.002	.46079	.46170	.46079	.46372	4.6987
#3	23.390	.45593	.45932	.46221	.46806	4.5971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.349**	**.48521**	**22.894**	**.45090**	**.46749**	**22.987**
Stddev	.186	.00834	.187	.00211	.01592	.159
%RSD	.83051	1.7189	.81768	.46851	3.4057	.69141
#1	22.432	.48505	22.933	.44935	.48571	23.100
#2	22.479	.49362	23.058	.45004	.46047	23.056
#3	22.137	.47695	22.690	.45331	.45628	22.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380092/2-A Acquired: 11/26/2021 9:55:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46630**	**.44887**	**.21607**	**.94448**	**.85841**	**.93121**
Stddev	.01331	.01238	.00548	.02904	.00881	.03133
%RSD	2.8544	2.7575	2.5341	3.0746	1.0265	3.3640
#1	.48148	.46304	.22223	.97757	.84963	.96712
#2	.46080	.44341	.21424	.93266	.86725	.91699
#3	.45662	.44016	.21175	.92322	.85835	.90951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45482**	**.46368**	**.89817**	**.45968**	**.24312**
Stddev	.00650	.00258	.02452	.00566	.00753
%RSD	1.4302	.55638	2.7297	1.2321	3.0966
#1	.44826	.46330	.92584	.46129	.25173
#2	.46126	.46131	.88950	.46437	.23988
#3	.45493	.46643	.87916	.45339	.23776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2050.3**	**3507.3**	**55253.**	**4700.1**
Stddev	58.1	106.3	122.	44.7
%RSD	2.8318	3.0293	.22007	.95121
#1	1984.3	3386.7	55202.	4667.8
#2	2072.7	3548.2	55392.	4681.4
#3	2093.7	3587.0	55166.	4751.1

Sample Name: 180-130154-A-1-C Acquired: 11/26/2021 9:59:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**189.59**	**.09083**	**1.5918**	**.37475**	**.00168**
Stddev	.00050	.14	.00216	.0062	.00114	.00002
%RSD	19.828	.07625	2.3781	.38749	.30475	.98818
#1	.00194	189.58	.08873	1.5983	.37599	.00170
#2	.00279	189.74	.09070	1.5861	.37373	.00168
#3	.00281	189.45	.09305	1.5909	.37454	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**110.60**	**.07553**	**.73947**	**14.475**	**.68265**	**319.38**
Stddev	.20	.00027	.00144	.064	.00323	.76
%RSD	.17886	.35374	.19503	.44321	.47252	.23695
#1	110.71	.07581	.74109	14.539	.68555	319.37
#2	110.37	.07551	.73833	14.476	.68324	318.62
#3	110.72	.07527	.73898	14.411	.67918	320.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1195**	**.07198**	**31.755**	**1.8340**	**.08108**	**.35667**
Stddev	.0649	.00015	.045	.0059	.00026	.01102
%RSD	1.2678	.20394	.14218	.32333	.32570	3.0902
#1	5.0856	.07184	31.806	1.8344	.08123	.36881
#2	5.0786	.07213	31.741	1.8396	.08124	.34730
#3	5.1944	.07199	31.719	1.8278	.08078	.35390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-1-C Acquired: 11/26/2021 9:59:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07481**	**16.133**	**.01471**	**.01116**	**3.2426**	**.04353**
Stddev	.00018	.031	.00163	.00396	.0372	.00031
%RSD	.23896	.19194	11.070	35.501	1.1469	.70685
#1	.07479	16.169	.01286	.01527	3.2750	.04317
#2	.07464	16.113	.01533	.00737	3.2020	.04367
#3	.07500	16.117	.01594	.01084	3.2508	.04373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16081**	**3.3890**	**.00505**	**.07347**	F **86.211**
Stddev	.00437	.0113	.00302	.00419	.854
%RSD	2.7173	.33204	59.650	5.6992	.99007
#1	.15584	3.3834	.00723	.07534	87.190
#2	.16255	3.3817	.00161	.06868	85.626
#3	.16405	3.4020	.00632	.07640	85.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2043.4**	**3543.3**	**53980.**	**4844.8**
Stddev	4.4	13.6	71.	32.9
%RSD	.21422	.38388	.13147	.67904
#1	2039.1	3528.2	53926.	4860.3
#2	2047.9	3554.7	53954.	4867.1
#3	2043.3	3547.0	54060.	4807.0

Sample Name: 180-130154-A-2-C Acquired: 11/26/2021 10:04:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**184.29**	**.11302**	**.20823**	**.63214**	**.00157**
Stddev	.00038	.20	.00409	.00174	.00073	.00021
%RSD	5.3828	.10617	3.6186	.83688	.11537	13.566
#1	.00722	184.16	.11625	.20622	.63284	.00158
#2	.00723	184.52	.10842	.20926	.63219	.00135
#3	.00658	184.21	.11438	.20922	.63138	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.911**	**.04039**	**.73001**	**17.902**	**.78726**	**350.09**
Stddev	.106	.00015	.00514	.035	.00392	.40
%RSD	.19652	.38117	.70373	.19447	.49746	.11439
#1	53.789	.04021	.72410	17.874	.78318	350.31
#2	53.979	.04049	.73257	17.941	.78761	350.33
#3	53.966	.04046	.73337	17.891	.79098	349.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0439**	**.03488**	**15.693**	**1.1767**	**.09380**	**.33404**
Stddev	.0374	.00067	.053	.0033	.00116	.01001
%RSD	.61958	1.9194	.33524	.28014	1.2364	2.9976
#1	6.0871	.03439	15.677	1.1798	.09274	.34501
#2	6.0216	.03564	15.649	1.1732	.09362	.32538
#3	6.0229	.03461	15.751	1.1769	.09504	.33174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-2-C Acquired: 11/26/2021 10:04:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11910**	**17.692**	**.01098**	**.00763**	**2.4494**	**.07163**
Stddev	.00044	.107	.00113	.00440	.0048	.00137
%RSD	.36667	.60240	10.323	57.715	.19731	1.9136
#1	.11941	17.569	.01212	.00840	2.4518	.07051
#2	.11860	17.761	.01097	.01159	2.4438	.07122
#3	.11928	17.745	.00986	.00289	2.4525	.07316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16146**	**1.4580**	**.00622**	**.06672**	F **100.47**
Stddev	.00488	.0103	.00286	.00350	.53
%RSD	3.0253	.70849	46.013	5.2469	.53050
#1	.16493	1.4612	.00713	.06638	100.14
#2	.16358	1.4464	.00853	.07038	101.08
#3	.15588	1.4663	.00302	.06340	100.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2040.1**	**3507.8**	**54011.**	**4875.9**
Stddev	9.7	19.4	114.	2.9
%RSD	.47540	.55296	.21067	.05933
#1	2051.3	3529.7	54130.	4878.9
#2	2034.4	3500.8	53903.	4875.5
#3	2034.5	3492.8	54001.	4873.2

Sample Name: 180-130154-A-3-C Acquired: 11/26/2021 10:08:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05951**	**180.46**	**.07707**	**4.0446**	**.32594**	**.00137**
Stddev	.00085	.29	.00263	.1088	.00045	.00010
%RSD	1.4271	.16251	3.4141	2.6902	.13787	7.3321
#1	.06021	180.63	.07964	4.1277	.32644	.00129
#2	.05857	180.12	.07438	3.9215	.32578	.00148
#3	.05975	180.63	.07718	4.0847	.32559	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.805**	**.38172**	**.51293**	**.36463**	**1.8484**	**417.53**
Stddev	.134	.01056	.01269	.00196	.0012	.49
%RSD	.16407	2.7658	2.4735	.53817	.06543	.11637
#1	81.754	.39001	.52188	.36549	1.8494	417.24
#2	81.704	.36984	.49841	.36239	1.8470	417.25
#3	81.957	.38531	.51850	.36602	1.8487	418.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72026**	**.10642**	**33.829**	**2.6859**	**.05960**	**.75817**
Stddev	.02596	.00144	.204	.0093	.00158	.00428
%RSD	3.6040	1.3495	.60420	.34668	2.6537	.56418
#1	.70707	.10794	33.724	2.6956	.06110	.75411
#2	.70354	.10509	33.698	2.6771	.05794	.75776
#3	.75016	.10623	34.064	2.6850	.05975	.76263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-3-C Acquired: 11/26/2021 10:08:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18765**	**24.870**	**.03606**	**.01020**	**9.5596**	**.47457**
Stddev	.00569	.630	.00407	.00770	.0161	.01346
%RSD	3.0301	2.5313	11.281	75.510	.16877	2.8370
#1	.19277	25.331	.03636	.00920	9.5585	.48601
#2	.18153	24.153	.03997	.00305	9.5441	.45973
#3	.18866	25.127	.03185	.01836	9.5763	.47796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11645**	**.33013**	**-.00254**	**.07611**	F **277.28**
Stddev	.01469	.00123	.00060	.00303	1.65
%RSD	12.618	.37392	23.671	3.9821	.59405
#1	.11286	.33149	-.00198	.07396	278.81
#2	.13260	.32908	-.00246	.07480	275.54
#3	.10388	.32980	-.00318	.07957	277.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1995.5**	**3401.9**	**52026.**	**4811.9**
Stddev	44.4	82.5	127.	19.7
%RSD	2.2272	2.4258	.24484	.40964
#1	1961.2	3336.0	51889.	4809.6
#2	2045.7	3494.5	52141.	4832.7
#3	1979.6	3375.2	52047.	4793.4

Sample Name: 180-130154-A-4-C Acquired: 11/26/2021 10:13:11 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01585**	**151.64**	**.03610**	**1.9783**	**.27697**	**.00079**
Stddev	.00078	7.60	.00459	.0680	.01353	.00020
%RSD	4.8967	5.0119	12.712	3.4352	4.8849	25.001
#1	.01653	145.12	.04010	2.0355	.26539	.00058
#2	.01602	149.81	.03109	1.9032	.27369	.00098
#3	.01501	159.99	.03711	1.9963	.29184	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.996**	**.28479**	**.26320**	**.08226**	**1.0456**	**201.74**
Stddev	1.781	.00985	.00898	.00033	.0101	9.76
%RSD	4.6868	3.4587	3.4104	.39981	.96262	4.8385
#1	36.518	.29351	.27070	.08264	1.0565	193.48
#2	37.498	.27411	.25325	.08206	1.0436	199.21
#3	39.973	.28675	.26563	.08208	1.0366	212.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34394**	**.04539**	**15.546**	**1.2284**	**.04150**	**.22300**
Stddev	.00808	.00211	.719	.0087	.00097	.04508
%RSD	2.3502	4.6496	4.6242	.70882	2.3391	20.216
#1	.33537	.04314	14.941	1.2357	.04245	.18443
#2	.35142	.04570	15.356	1.2308	.04051	.21201
#3	.34503	.04732	16.341	1.2187	.04154	.27257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-4-C Acquired: 11/26/2021 10:13:11 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06592**	**18.206**	**.04107**	**.00765**	**2.8030**	**.69226**
Stddev	.00234	.591	.00187	.00642	.1404	.02554
%RSD	3.5538	3.2445	4.5496	83.997	5.0073	3.6890
#1	.06828	18.724	.04322	.00408	2.6778	.71589
#2	.06360	17.563	.04014	.00380	2.7766	.66517
#3	.06588	18.332	.03984	.01506	2.9547	.69571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.07995**	**.25599**	**-.00156**	**.05387**	F **246.93**
Stddev	.00731	.00128	.00227	.00354	9.18
%RSD	9.1404	.50141	145.67	6.5787	3.7191
#1	.08785	.25711	-.00403	.04988	255.26
#2	.07344	.25627	-.00110	.05667	237.08
#3	.07856	.25459	.00044	.05505	248.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2061.2**	**3600.7**	**53916.**	**4807.8**
Stddev	54.5	100.5	249.	176.5
%RSD	2.6465	2.7920	.46119	3.6704
#1	2015.5	3512.7	53669.	4950.9
#2	2121.6	3710.3	53913.	4861.8
#3	2046.5	3579.2	54166.	4610.6

Sample Name: 180-130154-A-5-C Acquired: 11/26/2021 10:17:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**289.13**	**.04315**	**1.7156**	**.19671**	**.00206**
Stddev	.00032	2.79	.00127	.0121	.00220	.00006
%RSD	43.476	.96643	2.9422	.70695	1.1181	2.9576
#1	.00064	289.07	.04227	1.7231	.19624	.00212
#2	.00111	291.96	.04460	1.7221	.19911	.00205
#3	.00048	286.37	.04256	1.7016	.19479	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.143**	**.01351**	**.53083**	**.53603**	**.59564**	**473.90**
Stddev	.811	.00012	.00292	.00362	.00141	3.19
%RSD	1.0655	.90347	.55056	.67566	.23648	.67281
#1	76.096	.01352	.53286	.53917	.59689	472.40
#2	76.977	.01363	.53214	.53207	.59591	477.57
#3	75.356	.01338	.52748	.53686	.59411	471.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69235**	**.12937**	**48.947**	**3.1165**	**.03841**	**.18846**
Stddev	.02312	.00179	.301	.0123	.00046	.00323
%RSD	3.3395	1.3865	.61411	.39577	1.1896	1.7156
#1	.67554	.12811	48.835	3.1211	.03888	.18752
#2	.71871	.13143	49.288	3.1025	.03838	.19206
#3	.68279	.12858	48.719	3.1258	.03797	.18580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-5-C Acquired: 11/26/2021 10:17:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05148**	**.12643**	**.06854**	**.01034**	**2.9763**	**.02902**
Stddev	.00117	.00349	.00035	.00311	.0211	.00004
%RSD	2.2731	2.7619	.50818	30.120	.71033	.14520
#1	.05022	.12918	.06893	.00787	2.9598	.02897
#2	.05166	.12761	.06825	.01384	3.0002	.02904
#3	.05254	.12250	.06844	.00931	2.9691	.02905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10259**	**.72577**	**-.00022**	**.10253**	**2.6374**
Stddev	.00864	.00296	.00077	.00303	.0144
%RSD	8.4224	.40777	347.91	2.9565	.54406
#1	.09419	.72661	.00011	.10183	2.6297
#2	.11145	.72248	.00032	.10586	2.6285
#3	.10214	.72822	-.00110	.09992	2.6539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2022.7**	**3508.1**	**54036.**	**4850.7**
Stddev	8.0	14.1	159.	47.1
%RSD	.39609	.40109	.29420	.97129
#1	2017.9	3499.3	53888.	4853.5
#2	2018.2	3500.6	54204.	4802.2
#3	2031.9	3524.3	54016.	4896.3

Sample Name: CCV 4546440 Acquired: 11/26/2021 10:22:13 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98841**	**23.949**	**.49243**	**2.0069**	**1.9305**	**1.9362**
Stddev	.00561	.197	.00316	.0100	.0127	.0060
%RSD	.56743	.82253	.64189	.50013	.65624	.30776
#1	.99460	23.874	.49587	2.0146	1.9194	1.9296
#2	.98696	24.172	.48966	1.9955	1.9443	1.9376
#3	.98367	23.800	.49176	2.0105	1.9279	1.9413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.413**	**.49482**	**1.9884**	**1.9008**	**1.9476**	**24.010**
Stddev	.251	.00214	.0079	.0108	.0055	.063
%RSD	.51783	.43334	.39599	.56817	.27969	.26255
#1	48.172	.49649	1.9899	1.9132	1.9538	23.942
#2	48.672	.49240	1.9799	1.8953	1.9456	24.024
#3	48.395	.49558	1.9954	1.8938	1.9434	24.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.38**	**2.0010**	**47.448**	**1.8839**	**1.9069**	**120.84**
Stddev	.42	.0120	.135	.0101	.0072	.52
%RSD	.35476	.60143	.28463	.53518	.37662	.43010
#1	117.14	1.9939	47.352	1.8951	1.9123	120.25
#2	117.15	2.0149	47.389	1.8809	1.8988	121.06
#3	117.86	1.9941	47.602	1.8756	1.9098	121.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 10:22:13 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9955**	**.48558**	**.48930**	**.50072**	**1.9279**	**1.8314**
Stddev	.0100	.00195	.00306	.00095	.0112	.0086
%RSD	.50073	.40069	.62639	.18976	.58028	.47072
#1	1.9936	.48783	.49130	.50059	1.9406	1.8394
#2	1.9866	.48459	.48577	.49984	1.9233	1.8222
#3	2.0063	.48433	.49082	.50173	1.9197	1.8326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9199**	**1.9243**	**.94504**	**1.9241**	**1.9207**
Stddev	.0203	.0104	.00071	.0088	.0085
%RSD	1.0547	.53793	.07468	.45656	.44054
#1	1.9004	1.9359	.94561	1.9174	1.9264
#2	1.9408	1.9210	.94425	1.9341	1.9110
#3	1.9185	1.9160	.94524	1.9209	1.9246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1909.7**	**3455.9**	**53021.**	**4683.2**
Stddev	8.5	12.0	305.	29.1
%RSD	.44336	.34735	.57589	.62166
#1	1911.2	3448.0	52668.	4714.8
#2	1917.3	3469.7	53191.	4677.5
#3	1900.6	3449.9	53203.	4657.4

Sample Name: CCB3 Acquired: 11/26/2021 10:26:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00372**	**-.00097**	**.00354**	**.00006**	**-.00003**
Stddev	.00035	.01805	.00140	.00047	.00039	.00002
%RSD	7807.9	484.71	144.53	13.254	658.21	60.890
#1	-.00040	-.01426	.00042	.00403	.00049	-.00002
#2	.00022	-.01403	-.00238	.00350	-.00003	-.00002
#3	.00019	.01712	-.00095	.00309	-.00028	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00669**	**-.00000**	**.00012**	**.00011**	**.00093**	**-.00292**
Stddev	.00108	.00005	.00018	.00084	.00044	.00097
%RSD	16.156	2101.9	151.90	763.59	46.895	33.296
#1	-.00792	.00004	.00016	.00022	.00098	-.00181
#2	-.00626	.00001	.00028	-.00078	.00047	-.00363
#3	-.00589	-.00006	-.00008	.00089	.00134	-.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04168**	**-.00090**	**.00990**	**.00004**	**.00717**	**-.23992**
Stddev	.01541	.00055	.01124	.00003	.00121	.01095
%RSD	36.974	61.369	113.58	66.012	16.940	4.5637
#1	-.03208	-.00029	.01498	.00004	.00837	-.22748
#2	-.03351	-.00137	-.00299	.00001	.00720	-.24420
#3	-.05946	-.00105	.01771	.00007	.00594	-.24808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 11/26/2021 10:26:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00184**	**.00039**	**.00096**	**.00195**	**-.00082**
Stddev	.00027	.00049	.00114	.00172	.00576	.00029
%RSD	2097.7	26.609	290.39	178.72	295.55	35.139
#1	.00019	.00176	.00171	.00234	.00142	-.00097
#2	-.00032	.00139	-.00029	.00151	.00795	-.00049
#3	.00009	.00236	-.00024	-.00097	-.00353	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00044**	**-.00034**	**.00171**	F **.02070**
Stddev	.00749	.00008	.00154	.00150	.00109
%RSD	1244.9	18.575	458.88	87.637	5.2551
#1	.00611	.00038	-.00206	-.00000	.02155
#2	-.00869	.00041	.00092	.00277	.02108
#3	.00078	.00054	.00013	.00235	.01948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					.02000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2291.7**	**3701.2**	**56466.**	**4747.4**
Stddev	54.9	91.6	245.	19.3
%RSD	2.3962	2.4756	.43323	.40756
#1	2254.0	3641.3	56542.	4769.2
#2	2266.4	3655.5	56193.	4740.8
#3	2354.7	3806.7	56664.	4732.2

Sample Name: 180-130345-B-1-D Acquired: 11/26/2021 10:31:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**88.301**	**.07180**	**.02923**	**.85653**	**.00451**
Stddev	.00032	1.175	.00062	.00030	.01288	.00010
%RSD	16.344	1.3308	.86929	1.0417	1.5035	2.3197
#1	-.00199	87.709	.07139	.02957	.85349	.00445
#2	-.00160	87.539	.07252	.02898	.84545	.00446
#3	-.00223	89.654	.07149	.02913	.87066	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.69**	**.00071**	**.05945**	**.13841**	**.15331**	**133.01**
Stddev	1.28	.00018	.00065	.00139	.00169	1.74
%RSD	1.2231	25.020	1.0963	1.0050	1.1008	1.3093
#1	103.85	.00067	.05995	.13833	.15459	132.12
#2	104.05	.00090	.05871	.13706	.15139	131.89
#3	106.16	.00056	.05968	.13984	.15394	135.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6766**	**.06004**	**14.791**	**3.5666**	**.02517**	**7.7571**
Stddev	.0466	.00088	.138	.0141	.00036	.1408
%RSD	.99758	1.4605	.93124	.39553	1.4481	1.8155
#1	4.6571	.05918	14.694	3.5819	.02551	7.7692
#2	4.6428	.06002	14.730	3.5540	.02522	7.6107
#3	4.7298	.06094	14.948	3.5639	.02479	7.8915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-D Acquired: 11/26/2021 10:31:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12645**	**.12100**	**.00305**	**.00396**	F **12.806**	**.04513**
Stddev	.00119	.00189	.00133	.00505	.219	.00051
%RSD	.94054	1.5593	43.478	127.53	1.7126	1.1321
#1	.12676	.12315	.00440	-.00013	12.756	.04460
#2	.12513	.12021	.00299	.00961	12.615	.04562
#3	.12745	.11964	.00175	.00241	13.046	.04515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.28519**	**1.6625**	**-.00384**	**.20071**	**.48040**
Stddev	.01287	.0082	.00258	.00511	.00212
%RSD	4.5122	.49060	67.135	2.5436	.44148
#1	.29674	1.6695	-.00406	.20052	.48226
#2	.27132	1.6645	-.00116	.19570	.47809
#3	.28750	1.6536	-.00630	.20591	.48085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1996.6**	**3816.6**	**58343.**	**5163.6**
Stddev	6.8	13.6	163.	48.3
%RSD	.33968	.35738	.27873	.93586
#1	1989.4	3803.1	58358.	5197.8
#2	2002.9	3830.3	58497.	5184.6
#3	1997.4	3816.3	58173.	5108.3

Sample Name: 180-130345-B-1D SD@5 Acquired: 11/26/2021 10:35:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**19.102**	**.01573**	**.00758**	**.18669**	**.00088**
Stddev	.00056	.135	.00182	.00043	.00057	.00004
%RSD	70.567	.70820	11.560	5.7135	.30752	4.1808
#1	-.00091	19.155	.01368	.00728	.18603	.00092
#2	-.00130	19.203	.01634	.00738	.18693	.00084
#3	-.00019	18.948	.01716	.00808	.18710	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.280**	**.00006**	**.01203**	**.03150**	**.03373**	**30.037**
Stddev	.050	.00003	.00035	.00007	.00057	.110
%RSD	.21361	44.941	2.8890	.23243	1.6954	.36752
#1	23.316	.00003	.01215	.03142	.03433	30.164
#2	23.301	.00009	.01230	.03156	.03368	29.971
#3	23.224	.00007	.01164	.03151	.03319	29.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92553**	**.01072**	**3.2776**	**.81644**	**.00631**	**1.4514**
Stddev	.01652	.00143	.0376	.00736	.00039	.0152
%RSD	1.7851	13.327	1.1466	.90105	6.1291	1.0467
#1	.94024	.00996	3.3178	.81617	.00666	1.4571
#2	.90765	.01236	3.2718	.80923	.00637	1.4342
#3	.92869	.00982	3.2433	.82393	.00589	1.4629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1D SD@5 Acquired: 11/26/2021 10:35:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02589**	**.02625**	**-.00005**	**-.00240**	**2.8293**	**.00916**
Stddev	.00016	.00116	.00028	.00283	.0352	.00071
%RSD	.59894	4.4125	582.23	117.65	1.2458	7.7660
#1	.02572	.02730	.00024	-.00080	2.8482	.00915
#2	.02602	.02644	-.00007	-.00074	2.8511	.00845
#3	.02594	.02500	-.00032	-.00567	2.7886	.00987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06612**	**.36735**	**-.00045**	**.04648**	**.11394**
Stddev	.00492	.00379	.00060	.00294	.00026
%RSD	7.4418	1.0329	135.12	6.3358	.22637
#1	.06231	.36631	-.00059	.04782	.11392
#2	.06437	.36418	.00022	.04310	.11421
#3	.07167	.37155	-.00096	.04852	.11370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2179.8**	**3732.9**	**56774.**	**4936.0**
Stddev	7.3	5.6	427.	37.7
%RSD	.33416	.15048	.75273	.76336
#1	2181.3	3733.8	56659.	4919.2
#2	2171.9	3726.8	57248.	4909.6
#3	2186.2	3738.0	56417.	4979.1

Sample Name: 180-130345-B-1-E MS Acquired: 11/26/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18644**	**111.67**	**.82331**	**.94201**	**1.6522**	**.37289**
Stddev	.00144	.18	.00923	.00395	.0018	.00078
%RSD	.77349	.15844	1.1211	.41969	.11009	.20917
#1	.18490	111.78	.81457	.93979	1.6539	.37300
#2	.18776	111.76	.83296	.94658	1.6503	.37206
#3	.18665	111.46	.82240	.93968	1.6525	.37361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.42**	**.37408**	**.46712**	**.50224**	**.54479**	**130.18**
Stddev	.38	.00084	.00155	.00379	.00360	.27
%RSD	.21722	.22555	.33283	.75363	.66122	.21098
#1	175.82	.37389	.46750	.49843	.54584	130.39
#2	175.39	.37501	.46844	.50600	.54775	129.87
#3	175.06	.37335	.46540	.50231	.54078	130.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.775**	**.46295**	**33.417**	**3.9556**	**.37593**	**24.682**
Stddev	.162	.00226	.102	.0162	.00174	.204
%RSD	.70939	.48911	.30447	.41054	.46354	.82706
#1	22.908	.46491	33.516	3.9378	.37454	24.758
#2	22.595	.46348	33.313	3.9697	.37789	24.450
#3	22.822	.46047	33.421	3.9593	.37538	24.836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-E MS Acquired: 11/26/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52626**	**.51347**	**.10221**	**.73947**	F **18.424**	**.70558**
Stddev	.00235	.00530	.00214	.00451	.126	.00297
%RSD	.44565	1.0318	2.0916	.60949	.68115	.42029
#1	.52642	.51570	.10432	.74325	18.422	.70395
#2	.52852	.51729	.10005	.74069	18.300	.70900
#3	.52384	.50742	.10226	.73448	18.551	.70378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.71243**	**2.0284**	**.75997**	**.56851**	**.65193**
Stddev	.00585	.0015	.00238	.00411	.00247
%RSD	.82050	.07378	.31354	.72356	.37850
#1	.70919	2.0271	.75787	.57319	.65065
#2	.70893	2.0282	.76256	.56691	.65477
#3	.71918	2.0301	.75949	.56544	.65036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1895.6**	**3713.3**	**56786.**	**5114.2**
Stddev	8.6	16.1	169.	38.4
%RSD	.45524	.43318	.29749	.75071
#1	1893.1	3714.1	56950.	5070.7
#2	1888.6	3696.8	56613.	5143.6
#3	1905.3	3728.9	56794.	5128.2

Sample Name: 180-130345-B-1-F MSD Acquired: 11/26/2021 10:44:44 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17708**	**109.89**	**.89764**	**.91432**	**1.6757**	**.36928**
Stddev	.00060	.75	.01864	.02005	.0118	.00279
%RSD	.33806	.67898	2.0771	2.1927	.70689	.75510
#1	.17640	110.74	.88817	.90352	1.6893	.37250
#2	.17751	109.34	.88563	.90199	1.6676	.36764
#3	.17734	109.58	.91912	.93746	1.6702	.36770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**140.34**	**.36469**	**.49189**	**.52790**	**.59685**	**226.93**
Stddev	1.33	.00734	.01173	.00416	.00361	1.69
%RSD	.95083	2.0131	2.3855	.78733	.60566	.74549
#1	141.88	.36002	.48456	.52314	.59287	228.88
#2	139.47	.36090	.48569	.53081	.59993	225.77
#3	139.68	.37315	.50543	.52974	.59773	226.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.232**	**.45031**	**33.160**	**4.6995**	**.37841**	**23.197**
Stddev	.168	.00383	.230	.0272	.00787	.138
%RSD	.75419	.85071	.69228	.57771	2.0796	.59695
#1	22.425	.45464	33.410	4.6686	.37409	23.352
#2	22.147	.44891	32.958	4.7102	.37365	23.084
#3	22.124	.44737	33.112	4.7197	.38750	23.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-F MSD Acquired: 11/26/2021 10:44:44 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58081**	**.57368**	**.10289**	**.73568**	F **16.046**	**.69393**
Stddev	.01516	.01631	.00411	.01647	.073	.01278
%RSD	2.6100	2.8427	3.9947	2.2394	.45431	1.8415
#1	.57182	.56783	.10188	.72527	16.126	.68515
#2	.57229	.56111	.09937	.72710	15.983	.68806
#3	.59831	.59211	.10741	.75468	16.029	.70859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.68005**	**1.9850**	**.76561**	**.70889**	**.71784**
Stddev	.01621	.0051	.01778	.01010	.01510
%RSD	2.3838	.25541	2.3226	1.4241	2.1029
#1	.69795	1.9795	.75520	.72027	.70808
#2	.67585	1.9860	.75548	.70100	.71021
#3	.66636	1.9895	.78614	.70540	.73522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1903.8**	**3892.6**	**60764.**	**5438.1**
Stddev	38.6	58.8	385.	57.0
%RSD	2.0270	1.5100	.63292	1.0480
#1	1926.7	3928.3	61208.	5373.4
#2	1925.3	3924.7	60523.	5480.8
#3	1859.2	3824.7	60562.	5460.0

Sample Name: 180-130345-B-1-D PDS Acquired: 11/26/2021 10:49:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23363**	**91.582**	F **1.0130**	**1.2689**	**1.7633**	**.46682**
Stddev	.00064	.158	.0057	.0032	.0046	.00172
%RSD	.27559	.17216	.56769	.25174	.26348	.36809
#1	.23288	91.749	1.0195	1.2721	1.7629	.46630
#2	.23403	91.564	1.0111	1.2689	1.7682	.46874
#3	.23396	91.435	1.0085	1.2658	1.7589	.46542
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.01**	**.45960**	**.56184**	**.58141**	**.62361**	**135.80**
Stddev	.28	.00118	.00188	.00079	.00221	.49
%RSD	.22572	.25598	.33444	.13641	.35376	.35948
#1	126.34	.46094	.56294	.58091	.62221	135.74
#2	125.81	.45873	.56292	.58100	.62246	136.31
#3	125.88	.45914	.55967	.58232	.62615	135.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.529**	**.53740**	**37.038**	**3.9367**	**.46829**	**31.355**
Stddev	.151	.00148	.091	.0046	.00065	.187
%RSD	.54937	.27614	.24453	.11777	.13825	.59580
#1	27.507	.53691	37.105	3.9322	.46899	31.270
#2	27.690	.53907	36.935	3.9366	.46772	31.569
#3	27.390	.53623	37.074	3.9415	.46815	31.225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-D PDS Acquired: 11/26/2021 10:49:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62307**	**.59485**	**.21911**	**.94039**	F **13.978**	**.89156**
Stddev	.00407	.00258	.00193	.00426	.081	.00053
%RSD	.65373	.43349	.88214	.45307	.58058	.05895
#1	.62471	.59729	.21957	.94224	13.972	.89150
#2	.62607	.59511	.21699	.94342	14.063	.89212
#3	.61844	.59215	.22078	.93552	13.901	.89107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.73178**	**2.1116**	**.93569**	**.64638**	**.67323**
Stddev	.01160	.0024	.00481	.00274	.00146
%RSD	1.5845	.11526	.51401	.42404	.21700
#1	.74357	2.1093	.94115	.64910	.67465
#2	.72039	2.1142	.93210	.64643	.67331
#3	.73140	2.1112	.93382	.64361	.67173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1945.1**	**3782.9**	**58238.**	**5200.0**
Stddev	8.0	11.8	86.	18.2
%RSD	.41241	.31207	.14804	.34937
#1	1940.0	3772.3	58336.	5188.9
#2	1941.0	3780.9	58176.	5190.3
#3	1954.4	3795.6	58202.	5221.0

Sample Name: 180-130253-A-1-C@25 Acquired: 11/26/2021 10:53:20 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00831**	**.00258**	**.00211**	**.00018**	**.00002**
Stddev	.00013	.01078	.00286	.00048	.00018	.00001
%RSD	168.33	129.64	110.84	22.704	103.80	58.718
#1	-.00003	.01546	.00142	.00266	-.00003	.00001
#2	.00002	-.00408	.00048	.00181	.00031	.00003
#3	-.00023	.01357	.00583	.00186	.00026	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13633**	**-.00068**	**.35541**	F **37.861**	**.93947**	**173.47**
Stddev	.00197	.00014	.01263	.255	.01032	.63
%RSD	1.4467	20.671	3.5534	.67434	1.0986	.36280
#1	.13682	-.00065	.36436	37.813	.92979	174.02
#2	.13415	-.00056	.34097	37.634	.93828	173.60
#3	.13800	-.00083	.36092	38.138	.95033	172.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.00500		

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09786**	**-.00224**	**.03751**	**3.0466**	**.51545**	**-.24504**
Stddev	.02529	.00118	.01828	.0302	.01881	.00372
%RSD	25.840	52.598	48.722	.99067	3.6485	1.5174
#1	-.11800	-.00096	.03734	3.0231	.52871	-.24117
#2	-.06948	-.00249	.01932	3.0361	.49392	-.24535
#3	-.10609	-.00327	.05587	3.0806	.52370	-.24859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@25 Acquired: 11/26/2021 10:53:20 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3915**	**-.00332**	**.00489**	**.00790**	**.73920**	**.02335**
Stddev	.3485	.00058	.00205	.00025	.01758	.00066
%RSD	3.7107	17.597	41.844	3.2172	2.3778	2.8290
#1	9.6386	-.00274	.00725	.00805	.75867	.02349
#2	8.9929	-.00331	.00369	.00803	.73443	.02262
#3	9.5431	-.00391	.00372	.00760	.72451	.02392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00365**	**.00967**	**.18130**	**.01852**
Stddev	.01014	.00020	.00103	.00104	.00072
%RSD	9583.0	5.5515	10.620	.57366	3.9014
#1	-.00979	.00342	.01083	.18234	.01786
#2	-.00036	.00380	.00888	.18129	.01929
#3	.01047	.00371	.00931	.18026	.01840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2219.8**	**3658.2**	**55567.**	**4742.1**
Stddev	68.2	110.6	522.	22.2
%RSD	3.0723	3.0244	.93896	.46818
#1	2172.9	3581.3	56058.	4721.1
#2	2298.0	3785.0	55624.	4739.8
#3	2188.4	3608.3	55019.	4765.4

Sample Name: 180-130345-A-3-D Acquired: 11/26/2021 10:58:00 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**83.140**	**.06387**	**.02921**	**.89224**	**.00389**
Stddev	.00037	.190	.00158	.00018	.00256	.00012
%RSD	25.027	.22867	2.4794	.59947	.28692	3.0739
#1	-.00149	83.336	.06205	.02936	.89488	.00400
#2	-.00187	82.956	.06462	.02902	.89208	.00391
#3	-.00112	83.126	.06494	.02926	.88977	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**147.02**	**.00059**	**.05611**	**.11849**	**.13744**	**113.23**
Stddev	.17	.00006	.00015	.00047	.00050	.31
%RSD	.11500	10.454	.26683	.39461	.36604	.27138
#1	147.18	.00053	.05627	.11833	.13760	113.14
#2	146.84	.00060	.05607	.11901	.13688	112.97
#3	147.04	.00065	.05598	.11812	.13785	113.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5279**	**.05598**	**13.768**	**4.0278**	**.02274**	**3.2189**
Stddev	.0332	.00118	.093	.0098	.00085	.0277
%RSD	.73317	2.1121	.67639	.24447	3.7388	.85995
#1	4.5476	.05724	13.863	4.0250	.02351	3.2196
#2	4.4896	.05583	13.677	4.0387	.02290	3.1908
#3	4.5465	.05489	13.765	4.0196	.02183	3.2462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-A-3-D Acquired: 11/26/2021 10:58:00 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10886**	**.12358**	**.00027**	**.00207**	F **15.543**	**.04066**
Stddev	.00155	.00191	.00229	.00204	.071	.00019
%RSD	1.4207	1.5429	861.55	98.359	.45847	.46646
#1	.10833	.12539	.00089	.00009	15.489	.04067
#2	.10766	.12159	.00218	.00196	15.517	.04084
#3	.11061	.12376	-.00227	.00416	15.624	.04046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.32009**	**1.5429**	**-.00357**	**.17657**	**.44890**
Stddev	.00779	.0032	.00049	.00370	.00066
%RSD	2.4322	.20484	13.649	2.0965	.14707
#1	.31747	1.5463	-.00348	.17325	.44925
#2	.31396	1.5425	-.00410	.18056	.44814
#3	.32885	1.5400	-.00314	.17590	.44931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.0**	**3786.6**	**57917.**	**5171.6**
Stddev	2.7	2.8	80.	18.5
%RSD	.13464	.07394	.13869	.35856
#1	1999.8	3784.6	57876.	5177.2
#2	1996.8	3785.3	57866.	5186.7
#3	1994.4	3789.8	58009.	5150.9

Sample Name: 180-130364-A-1-A Acquired: 11/26/2021 11:02:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**13.320**	**.03000**	**.03941**	**.26966**	**.00799**
Stddev	.00025	.035	.00147	.00021	.00092	.00006
%RSD	7.7640	.26291	4.9089	.54068	.34095	.72548
#1	.00318	13.358	.02852	.03917	.27072	.00804
#2	.00293	13.314	.03000	.03956	.26913	.00799
#3	.00342	13.289	.03146	.03950	.26913	.00793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.922**	**.00015**	**.02298**	**.04307**	**.13126**	**19.729**
Stddev	.062	.00005	.00030	.00056	.00017	.088
%RSD	.44777	30.323	1.3122	1.2954	.12992	.44696
#1	13.994	.00019	.02284	.04246	.13143	19.821
#2	13.887	.00010	.02333	.04321	.13108	19.722
#3	13.886	.00016	.02278	.04355	.13127	19.645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32474**	**.00578**	**.82277**	**.12672**	**.00497**	**.66055**
Stddev	.03095	.00034	.03511	.00041	.00020	.01307
%RSD	9.5296	5.9511	4.2674	.32682	4.0584	1.9787
#1	.31804	.00550	.78896	.12624	.00517	.67562
#2	.35848	.00568	.85905	.12695	.00498	.65365
#3	.29769	.00616	.82031	.12696	.00477	.65237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-1-A Acquired: 11/26/2021 11:02:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04790**	**.00647**	**.00012**	**.01361**	**2.0708**	**.03144**
Stddev	.00015	.00103	.00100	.00062	.0430	.00071
%RSD	.31317	15.979	813.49	4.5620	2.0776	2.2531
#1	.04773	.00699	.00128	.01385	2.1117	.03222
#2	.04797	.00713	-.00051	.01290	2.0749	.03125
#3	.04800	.00528	-.00040	.01407	2.0259	.03084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.29039**	**1.0422**	**-.00233**	**.07976**	**.28010**
Stddev	.00470	.0026	.00102	.00048	.00031
%RSD	1.6197	.24689	43.523	.60125	.11192
#1	.28780	1.0394	-.00187	.08027	.27995
#2	.29582	1.0428	-.00350	.07968	.27988
#3	.28755	1.0445	-.00163	.07932	.28046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.2**	**3867.0**	**59681.**	**5079.9**
Stddev	1.5	4.9	58.	29.8
%RSD	.06844	.12577	.09686	.58613
#1	2205.4	3862.8	59704.	5056.5
#2	2206.7	3872.3	59615.	5069.7
#3	2203.6	3865.8	59723.	5113.4

Sample Name: 180-130364-A-2-A Acquired: 11/26/2021 11:07:06 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**14.903**	**.03420**	**.04519**	**.29526**	**.00833**
Stddev	.00022	.079	.00100	.00045	.00145	.00014
%RSD	61.771	.52955	2.9262	1.0024	.48981	1.6484
#1	-.00016	14.812	.03506	.04558	.29369	.00823
#2	-.00059	14.953	.03310	.04469	.29558	.00828
#3	-.00030	14.944	.03443	.04530	.29652	.00849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.605**	**.00005**	**.02474**	**.04319**	**.14632**	**23.199**
Stddev	.091	.00005	.00054	.00188	.00390	.087
%RSD	.58084	117.02	2.1826	4.3513	2.6663	.37628
#1	15.518	.00003	.02428	.04150	.14339	23.125
#2	15.600	.00010	.02461	.04522	.15075	23.178
#3	15.699	-.00000	.02534	.04286	.14482	23.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37493**	**.00442**	**.89386**	**.14575**	**.00479**	**.72237**
Stddev	.00637	.00086	.01650	.00425	.00020	.00071
%RSD	1.6998	19.549	1.8457	2.9180	4.2174	.09843
#1	.38229	.00524	.91287	.14191	.00501	.72211
#2	.37097	.00450	.88321	.15032	.00462	.72182
#3	.37155	.00352	.88551	.14502	.00474	.72317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-2-A Acquired: 11/26/2021 11:07:06 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04880**	**.00796**	**.00092**	**.01437**	**2.4191**	**.03232**
Stddev	.00089	.00059	.00159	.00089	.0367	.00070
%RSD	1.8199	7.4351	173.14	6.1786	1.5186	2.1643
#1	.04815	.00830	.00028	.01337	2.4019	.03180
#2	.04843	.00728	.00273	.01506	2.3942	.03205
#3	.04981	.00831	-.00025	.01467	2.4613	.03312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.31583**	**1.1342**	**-.00220**	**.08515**	**.31693**
Stddev	.00345	.0313	.00273	.00207	.00450
%RSD	1.0920	2.7552	123.99	2.4294	1.4211
#1	.31957	1.1073	-.00487	.08415	.31379
#2	.31278	1.1685	-.00230	.08753	.31490
#3	.31514	1.1268	.00058	.08377	.32209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2180.2**	**3853.8**	**58870.**	**5142.1**
Stddev	28.8	36.6	1491.	28.6
%RSD	1.3200	.94878	2.5332	.55693
#1	2202.8	3879.1	60134.	5143.6
#2	2190.0	3870.5	57225.	5169.9
#3	2147.8	3811.9	59250.	5112.7

Sample Name: CCV 4546440 Acquired: 11/26/2021 11:11:41 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98567**	**24.097**	**.48500**	**1.9728**	**1.9262**	**1.9245**
Stddev	.00237	.216	.00179	.0051	.0106	.0151
%RSD	.24092	.89686	.36974	.25778	.54749	.78655
#1	.98303	24.318	.48300	1.9689	1.9362	1.9416
#2	.98763	24.087	.48648	1.9785	1.9273	1.9130
#3	.98635	23.886	.48551	1.9710	1.9152	1.9187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.507**	**.48732**	**1.9694**	**1.9023**	**1.9379**	**23.828**
Stddev	.546	.00155	.0065	.0123	.0051	.243
%RSD	1.1258	.31884	.32988	.64664	.26308	1.0209
#1	49.082	.48612	1.9681	1.8934	1.9358	24.090
#2	48.442	.48907	1.9764	1.8971	1.9342	23.609
#3	47.996	.48676	1.9636	1.9163	1.9437	23.785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.52**	**2.0002**	**47.520**	**1.8693**	**1.8817**	**119.97**
Stddev	.91	.0150	.454	.0053	.0061	.70
%RSD	.78517	.75259	.95616	.28104	.32642	.57969
#1	117.50	2.0124	48.029	1.8632	1.8754	120.66
#2	115.69	2.0047	47.375	1.8721	1.8876	119.26
#3	116.37	1.9834	47.156	1.8726	1.8822	120.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 11:11:41 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9708**	**.48211**	**.47647**	**.49009**	**1.9367**	**1.8128**
Stddev	.0037	.00134	.00397	.00062	.0038	.0075
%RSD	.18959	.27696	.83248	.12707	.19791	.41170
#1	1.9689	.48212	.47636	.48965	1.9324	1.8123
#2	1.9751	.48344	.48049	.49081	1.9379	1.8204
#3	1.9684	.48077	.47256	.48983	1.9398	1.8055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9202**	**1.9031**	**.93530**	**1.9341**	**1.8796**
Stddev	.0218	.0032	.00176	.0185	.0015
%RSD	1.1360	.16532	.18776	.95402	.08256
#1	1.9430	1.8997	.93347	1.9504	1.8780
#2	1.9179	1.9060	.93697	1.9377	1.8811
#3	1.8996	1.9036	.93548	1.9141	1.8798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.5**	**3522.3**	**53670.**	**4699.4**
Stddev	4.0	5.0	239.	64.4
%RSD	.20613	.14172	.44445	1.3714
#1	1944.0	3528.1	53873.	4626.0
#2	1936.2	3519.1	53728.	4725.4
#3	1941.4	3519.8	53407.	4746.7

Sample Name: CCB4 Acquired: 11/26/2021 11:16:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.01361**	**-.00111**	**.00178**	**.00002**	**.00005**
Stddev	.00015	.01158	.00139	.00012	.00007	.00023
%RSD	214.46	85.067	124.99	6.4969	373.57	424.43
#1	-.00003	-.02415	-.00208	.00175	.00009	.00029
#2	.00005	-.00122	-.00173	.00190	-.00005	.00003
#3	-.00023	-.01546	.00048	.00168	.00002	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**.00000**	**-.00015**	**.00012**	**.00106**	**-.00426**
Stddev	.00206	.00016	.00006	.00032	.00024	.00364
%RSD	83.921	4964.7	37.672	268.41	22.408	85.385
#1	-.00476	.00013	-.00018	-.00014	.00116	-.00846
#2	-.00181	-.00018	-.00019	.00003	.00122	-.00194
#3	-.00080	.00007	-.00009	.00047	.00079	-.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04713**	**-.00207**	**.03408**	**.00005**	**.00734**	**-.25668**
Stddev	.02662	.00146	.05580	.00003	.00087	.00778
%RSD	56.490	70.214	163.72	53.577	11.906	3.0316
#1	-.06134	-.00354	.03717	.00008	.00830	-.26428
#2	-.01642	-.00063	.08827	.00005	.00712	-.24873
#3	-.06364	-.00205	-.02320	.00003	.00659	-.25704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 11/26/2021 11:16:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00125**	**.00023**	**.00265**	**.01868**	**-.00032**
Stddev	.00025	.00110	.00003	.00343	.01810	.00034
%RSD	133.46	87.734	14.868	129.43	96.870	103.95
#1	.00019	.00048	.00021	.00381	-.00165	-.00059
#2	.00043	.00076	.00027	.00534	.03303	-.00044
#3	-.00006	.00251	.00022	-.00121	.02466	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00514**	**.00043**	**.00074**	**-.00030**	**.00388**
Stddev	.01059	.00016	.00048	.00268	.00003
%RSD	205.81	37.652	64.121	893.08	.84747
#1	.00691	.00059	.00029	.00114	.00387
#2	-.01295	.00026	.00124	.00135	.00391
#3	-.00939	.00046	.00069	-.00339	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.7**	**3674.3**	**57209.**	**4811.6**
Stddev	47.2	76.1	372.	31.3
%RSD	2.0773	2.0715	.65106	.65008
#1	2296.2	3717.5	56794.	4785.5
#2	2299.6	3718.9	57514.	4803.0
#3	2216.2	3586.4	57319.	4846.3

Sample Name: 180-130253-A-1-C@10 Acquired: 11/26/2021 11:20:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.06890**	**.01021**	**.00034**	**.00058**	**.00023**
Stddev	.00050	.02307	.01121	.00066	.00025	.00009
%RSD	55.764	33.475	109.77	193.82	42.793	37.666
#1	.00056	.04284	-.00209	.00109	.00065	.00026
#2	.00066	.08667	.01987	-.00015	.00030	.00014
#3	.00147	.07720	.01286	.00008	.00078	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32204**	**-.00167**	**.84914**	F **87.204**	**2.3324**	**403.54**
Stddev	.00171	.00014	.04592	1.258	.0157	1.74
%RSD	.53105	8.2707	5.4081	1.4422	.67393	.43183
#1	.32078	-.00175	.79620	88.636	2.3464	405.55
#2	.32398	-.00174	.87830	86.696	2.3154	402.36
#3	.32135	-.00151	.87292	86.280	2.3356	402.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.00500		

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.14816**	**-.00284**	**.01717**	**7.1154**	**1.2607**	**-.23211**
Stddev	.03582	.00100	.02602	.0979	.0718	.00137
%RSD	24.178	35.161	151.54	1.3763	5.6973	.59218
#1	-.18542	-.00377	.02524	7.2213	1.1778	-.23305
#2	-.14510	-.00179	-.01193	7.0281	1.3046	-.23053
#3	-.11397	-.00297	.03821	7.0968	1.2998	-.23276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@10 Acquired: 11/26/2021 11:20:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.048**	**-.00719**	**.01702**	**.00818**	**1.6058**	**.05366**
Stddev	1.198	.00271	.00139	.00487	.0131	.00323
%RSD	5.4354	37.714	8.1836	59.473	.81328	6.0140
#1	20.668	-.00829	.01854	.00548	1.6070	.04993
#2	22.824	-.00918	.01582	.01380	1.5922	.05565
#3	22.653	-.00410	.01669	.00526	1.6182	.05539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00822**	**.02456**	**.44091**	**.02819**
Stddev	.00368	.00006	.00196	.00876	.00482
%RSD	1246.4	.73606	7.9817	1.9865	17.095
#1	.00437	.00827	.02231	.44452	.03376
#2	-.00279	.00824	.02589	.43092	.02530
#3	-.00069	.00815	.02548	.44729	.02553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2194.3**	**3590.3**	**54581.**	**4749.4**
Stddev	100.7	171.2	516.	36.3
%RSD	4.5896	4.7672	.94546	.76524
#1	2310.2	3787.5	54053.	4716.9
#2	2128.5	3480.2	55085.	4788.7
#3	2144.2	3503.2	54604.	4742.6

Sample Name: 180-130253-A-1-C@50 Acquired: 11/26/2021 11:25:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01038**	**.00069**	**.00056**	**.00028**	**.00000**
Stddev	.00014	.00491	.00307	.00038	.00011	.00021
%RSD	113.96	47.294	443.48	68.882	39.677	5607.4
#1	.00027	.01598	.00302	.00100	.00039	-.00019
#2	.00013	.00679	.00184	.00028	.00028	.00022
#3	-.00002	.00838	-.00278	.00039	.00017	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06712**	**-.00041**	**.19023**	**21.088**	**.50778**	**94.783**
Stddev	.00259	.00022	.00893	.050	.00215	.573
%RSD	3.8546	53.937	4.6920	.23835	.42243	.60458
#1	.06949	-.00037	.19524	21.145	.50788	95.388
#2	.06436	-.00066	.19552	21.073	.50987	94.249
#3	.06752	-.00022	.17992	21.048	.50558	94.712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11856**	**-.00223**	**.01528**	**1.6643**	**.27903**	**-.26459**
Stddev	.02577	.00059	.03603	.0016	.01365	.00284
%RSD	21.738	26.613	235.81	.09545	4.8921	1.0731
#1	-.08951	-.00283	-.00920	1.6656	.28719	-.26787
#2	-.13867	-.00165	.05665	1.6625	.28664	-.26306
#3	-.12749	-.00220	-.00161	1.6649	.26328	-.26285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@50 Acquired: 11/26/2021 11:25:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0657**	**-.00235**	**.00330**	**.00322**	**.36659**	**.01140**
Stddev	.2456	.00149	.00080	.00099	.00228	.00105
%RSD	4.8484	63.165	24.274	30.885	.62172	9.1726
#1	5.2090	-.00125	.00352	.00213	.36898	.01063
#2	5.2060	-.00177	.00241	.00346	.36637	.01097
#3	4.7821	-.00404	.00397	.00407	.36443	.01259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00191**	**.00628**	**.09820**	**.01018**
Stddev	.00697	.00019	.00032	.00496	.00059
%RSD	277.25	9.9517	5.0861	5.0559	5.7617
#1	-.00457	.00176	.00635	.09277	.00996
#2	.00276	.00212	.00655	.09934	.00973
#3	.00935	.00184	.00593	.10250	.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2249.4**	**3693.4**	**55288.**	**4706.2**
Stddev	91.5	153.8	163.	33.4
%RSD	4.0685	4.1645	.29486	.70958
#1	2195.3	3606.0	55159.	4668.3
#2	2197.8	3603.2	55471.	4731.3
#3	2355.0	3871.0	55234.	4719.0

Sample Name: 180-130364-A-3-A Acquired: 11/26/2021 11:30:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00510**	**39.024**	**.02057**	**.10448**	**.51594**	**.01541**
Stddev	.00036	.453	.00118	.00186	.00466	.00027
%RSD	7.0491	1.1609	5.7364	1.7788	.90319	1.7437
#1	.00543	39.544	.02165	.10318	.52126	.01562
#2	.00515	38.711	.02074	.10365	.51399	.01551
#3	.00471	38.817	.01931	.10661	.51257	.01511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.961**	**.00026**	**.04695**	**.38677**	**1.7551**	**14.391**
Stddev	.556	.00006	.00087	.00174	.0032	.156
%RSD	1.2091	22.034	1.8577	.44930	.18387	1.0842
#1	46.601	.00021	.04702	.38877	1.7571	14.568
#2	45.598	.00025	.04605	.38587	1.7514	14.272
#3	45.684	.00032	.04779	.38566	1.7568	14.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7754**	**.03258**	**4.8940**	**2.4506**	**.04939**	**17.866**
Stddev	.1129	.00043	.0177	.0076	.00092	.155
%RSD	1.4523	1.3329	.36190	.31231	1.8714	.86916
#1	7.9017	.03276	4.9134	2.4418	.05000	18.043
#2	7.6844	.03290	4.8786	2.4545	.04832	17.802
#3	7.7400	.03209	4.8900	2.4555	.04984	17.753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-3-A Acquired: 11/26/2021 11:30:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31002**	**.00644**	**.01002**	**.01513**	**11.635**	**.03404**
Stddev	.00484	.00075	.00242	.00202	.078	.00022
%RSD	1.5605	11.589	24.131	13.370	.67044	.63254
#1	.30980	.00561	.01057	.01402	11.712	.03390
#2	.30529	.00704	.00737	.01746	11.637	.03392
#3	.31496	.00668	.01211	.01390	11.556	.03428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1875**	**1.5890**	**-.00252**	**.11213**	**.17875**
Stddev	.0046	.0101	.00114	.00230	.00253
%RSD	.38588	.63627	45.467	2.0548	1.4146
#1	1.1873	1.5775	-.00195	.10976	.17861
#2	1.1922	1.5967	-.00383	.11437	.17630
#3	1.1830	1.5927	-.00177	.11225	.18135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.2**	**3769.3**	**57551.**	**5055.7**
Stddev	20.7	38.5	70.	48.2
%RSD	.99929	1.0211	.12138	.95252
#1	2069.4	3759.9	57523.	5001.6
#2	2091.2	3811.7	57631.	5094.1
#3	2049.9	3736.5	57500.	5071.3

Sample Name: 180-130364-A-4-A Acquired: 11/26/2021 11:34:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**5.3599**	**.01870**	**.24327**	**1.2050**	**.00969**
Stddev	.00010	.0270	.00115	.00220	.0046	.00004
%RSD	18.137	.50441	6.1556	.90385	.38111	.44325
#1	-.00059	5.3846	.01780	.24580	1.2091	.00974
#2	-.00062	5.3639	.02000	.24215	1.2001	.00965
#3	-.00043	5.3310	.01831	.24185	1.2059	.00969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.711**	**.00063**	**.03269**	**.02907**	**.49874**	**12.557**
Stddev	.230	.00009	.00046	.00032	.00074	.062
%RSD	.28190	14.742	1.4221	1.0944	.14798	.49494
#1	81.859	.00074	.03279	.02931	.49958	12.629
#2	81.445	.00057	.03219	.02871	.49821	12.523
#3	81.828	.00058	.03310	.02918	.49842	12.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56995**	**.00837**	**5.1209**	**.31665**	**.01849**	**.74007**
Stddev	.01188	.00165	.0558	.00024	.00003	.00905
%RSD	2.0851	19.692	1.0892	.07445	.17023	1.2228
#1	.58242	.00817	5.1769	.31684	.01852	.74890
#2	.55876	.01011	5.0653	.31638	.01850	.73082
#3	.56865	.00683	5.1204	.31673	.01846	.74049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-4-A Acquired: 11/26/2021 11:34:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06595**	**.00608**	**-.00018**	**.00914**	**2.0325**	**.03089**
Stddev	.00029	.00071	.00167	.00343	.0257	.00049
%RSD	.44043	11.701	944.32	37.531	1.2667	1.5916
#1	.06562	.00540	-.00210	.00543	2.0618	.03053
#2	.06617	.00682	.00091	.01220	2.0223	.03068
#3	.06607	.00603	.00066	.00978	2.0134	.03145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.65957**	**1.4357**	**.00005**	**.09416**	**.10743**
Stddev	.01185	.0017	.00102	.00292	.00016
%RSD	1.7961	.11785	2113.0	3.0986	.14615
#1	.67306	1.4370	.00030	.09730	.10726
#2	.65480	1.4338	.00092	.09364	.10747
#3	.65085	1.4363	-.00108	.09153	.10756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2120.5**	**3831.3**	**59446.**	**5089.1**
Stddev	6.3	5.5	201.	22.5
%RSD	.29916	.14255	.33759	.44234
#1	2116.4	3826.0	59589.	5063.1
#2	2127.9	3836.9	59217.	5101.7
#3	2117.3	3831.1	59533.	5102.5

Sample Name: 180-130364-A-5-A Acquired: 11/26/2021 11:39:07 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**4.8205**	**.01567**	**.19691**	**1.0602**	**.00832**
Stddev	.00024	.5418	.00181	.00077	.1220	.00099
%RSD	127.37	11.240	11.523	.39346	11.510	11.904
#1	-.00008	4.4837	.01465	.19617	.98744	.00769
#2	-.00047	4.5323	.01460	.19771	.99201	.00780
#3	-.00003	5.4455	.01775	.19685	1.2010	.00946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**72.778**	**.00048**	**.02661**	**.02621**	**.32131**	**11.090**
Stddev	8.219	.00013	.00003	.00064	.00293	1.216
%RSD	11.293	26.840	.11704	2.4515	.91213	10.964
#1	67.862	.00036	.02660	.02695	.32463	10.383
#2	68.205	.00045	.02665	.02592	.32020	10.393
#3	82.266	.00061	.02659	.02576	.31909	12.494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49928**	**.00804**	**4.6035**	**.22103**	**.01519**	**.59106**
Stddev	.11196	.00171	.5172	.00171	.00022	.11755
%RSD	22.424	21.229	11.236	.77440	1.4163	19.888
#1	.42202	.00639	4.3564	.22286	.01539	.51309
#2	.44814	.00793	4.2562	.22075	.01520	.53383
#3	.62767	.00979	5.1980	.21947	.01496	.72627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-5-A Acquired: 11/26/2021 11:39:07 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05661**	**.00863**	**.00032**	**.00807**	**1.8548**	**.03148**
Stddev	.00014	.00046	.00170	.00104	.2335	.00018
%RSD	.24369	5.3321	535.78	12.873	12.591	.56872
#1	.05646	.00822	.00214	.00921	1.7269	.03128
#2	.05674	.00854	.00003	.00717	1.7132	.03161
#3	.05663	.00913	-.00122	.00783	2.1244	.03156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.59114**	**1.2122**	**-.00149**	**.08131**	**.12406**
Stddev	.07771	.0075	.00025	.00512	.00053
%RSD	13.145	.61458	17.126	6.3022	.43026
#1	.53931	1.2203	-.00120	.07685	.12444
#2	.55362	1.2107	-.00158	.08019	.12345
#3	.68048	1.2057	-.00169	.08691	.12430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2107.6**	**3747.2**	**57662.**	**4787.7**
Stddev	2.3	3.7	453.	417.6
%RSD	.11136	.09967	.78560	8.7215
#1	2107.1	3744.4	57193.	5035.6
#2	2105.5	3751.5	57695.	5021.9
#3	2110.1	3745.8	58097.	4305.6

Sample Name: 180-130364-A-6-A Acquired: 11/26/2021 11:43:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**3.5838**	**.00223**	**.01781**	**.04757**	**.00261**
Stddev	.00019	.0349	.00106	.00047	.00021	.00008
%RSD	1408.0	.97366	47.420	2.6631	.45035	3.0529
#1	-.00013	3.5505	.00140	.01811	.04780	.00268
#2	.00023	3.6201	.00188	.01807	.04738	.00263
#3	-.00006	3.5807	.00342	.01727	.04754	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.286**	**.00019**	**.05876**	**.20750**	**.94071**	**1.2894**
Stddev	.051	.00004	.00010	.00169	.00124	.0071
%RSD	.41284	23.091	.16817	.81329	.13228	.54874
#1	12.345	.00014	.05884	.20675	.94059	1.2942
#2	12.262	.00023	.05865	.20632	.94201	1.2813
#3	12.253	.00020	.05879	.20944	.93953	1.2928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9837**	**.00083**	**1.6243**	**.05818**	**.03478**	**8.5360**
Stddev	.0314	.00009	.0346	.00012	.00031	.0668
%RSD	1.0524	10.747	2.1291	.20176	.89601	.78245
#1	3.0185	.00074	1.5906	.05805	.03509	8.5806
#2	2.9576	.00091	1.6227	.05826	.03447	8.4592
#3	2.9750	.00083	1.6597	.05824	.03478	8.5681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-6-A Acquired: 11/26/2021 11:43:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11289**	**.01023**	**.00177**	**.00968**	**.79727**	**.03087**
Stddev	.00020	.00176	.00105	.00283	.01390	.00051
%RSD	.17991	17.176	59.332	29.201	1.7429	1.6478
#1	.11313	.00983	.00162	.01135	.79678	.03146
#2	.11281	.01215	.00080	.00641	.78363	.03057
#3	.11275	.00871	.00288	.01126	.81141	.03059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.08501**	**.95055**	**-.00258**	**.04117**	**.13949**
Stddev	.00750	.00135	.00114	.00373	.00040
%RSD	8.8195	.14204	44.029	9.0645	.28428
#1	.07861	.95165	-.00159	.03751	.13994
#2	.08316	.95096	-.00233	.04103	.13928
#3	.09326	.94904	-.00382	.04497	.13924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.7**	**3674.4**	**56823.**	**4879.5**
Stddev	2.6	13.7	144.	29.9
%RSD	.11820	.37344	.25320	.61225
#1	2204.4	3659.7	56941.	4849.5
#2	2204.1	3676.5	56663.	4909.2
#3	2208.8	3686.8	56866.	4879.7

Sample Name: 180-130364-A-7-A Acquired: 11/26/2021 11:48:16 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**3.3344**	**.00349**	**.01775**	**.05306**	**.00236**
Stddev	.00046	.0214	.00094	.00097	.00024	.00009
%RSD	230.62	.64073	26.851	5.4905	.45771	3.6737
#1	.00026	3.3145	.00375	.01852	.05323	.00228
#2	.00062	3.3570	.00427	.01665	.05278	.00235
#3	-.00028	3.3316	.00245	.01807	.05316	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.925**	**.00017**	**.05991**	**.19681**	**.89719**	**1.2774**
Stddev	.014	.00003	.00259	.00074	.00365	.0127
%RSD	.10483	19.367	4.3231	.37848	.40689	.99500
#1	12.913	.00021	.06196	.19647	.90135	1.2694
#2	12.923	.00016	.05700	.19629	.89452	1.2921
#3	12.940	.00015	.06076	.19766	.89570	1.2708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2423**	**.00186**	**1.5717**	**.05826**	**.03340**	**9.7773**
Stddev	.0571	.00121	.0235	.00010	.00151	.0762
%RSD	1.7623	64.725	1.4929	.17876	4.5080	.77945
#1	3.2057	.00051	1.5775	.05817	.03447	9.7613
#2	3.3082	.00227	1.5459	.05837	.03168	9.8603
#3	3.2131	.00281	1.5917	.05823	.03405	9.7104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-7-A Acquired: 11/26/2021 11:48:16 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11456**	**.00800**	**.00446**	**.00778**	**.75664**	**.02870**
Stddev	.00524	.00040	.00159	.00185	.00745	.00167
%RSD	4.5765	5.0339	35.580	23.812	.98417	5.8226
#1	.11846	.00768	.00553	.00991	.76010	.03009
#2	.10860	.00788	.00264	.00662	.74809	.02685
#3	.11662	.00846	.00522	.00680	.76172	.02916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.09008**	**.91839**	**-.00278**	**.03773**	**.11887**
Stddev	.00443	.00139	.00085	.00457	.00484
%RSD	4.9210	.15178	30.603	12.111	4.0751
#1	.09443	.91967	-.00280	.04017	.12245
#2	.08557	.91860	-.00191	.04058	.11336
#3	.09024	.91691	-.00361	.03246	.12080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2185.3**	**3645.3**	**56965.**	**4871.8**
Stddev	80.9	128.5	94.	3.5
%RSD	3.7037	3.5250	.16508	.07154
#1	2129.8	3552.9	56890.	4875.9
#2	2278.2	3792.0	56934.	4870.0
#3	2147.9	3591.0	57070.	4869.7

Sample Name: 180-130364-A-8-A Acquired: 11/26/2021 11:52:52 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03082**	**30.560**	**.01857**	**.55950**	**.58476**	**.01361**
Stddev	.00020	.164	.00268	.01766	.00051	.00009
%RSD	.65480	.53507	14.416	3.1570	.08730	.65788
#1	.03105	30.646	.01667	.54002	.58419	.01371
#2	.03072	30.662	.02163	.56400	.58491	.01355
#3	.03069	30.371	.01741	.57447	.58518	.01356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.381**	**.01067**	**.03963**	**.07779**	**.42890**	**16.639**
Stddev	.070	.00036	.00110	.00061	.00117	.116
%RSD	.26438	3.3719	2.7822	.78722	.27278	.69868
#1	26.445	.01030	.03839	.07814	.42864	16.648
#2	26.391	.01070	.04004	.07708	.42788	16.751
#3	26.307	.01101	.04048	.07814	.43018	16.519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9131**	**.02577**	**2.4935**	**.69306**	**.02340**	**7.7855**
Stddev	.0337	.00125	.0072	.00160	.00065	.0362
%RSD	.56964	4.8613	.28742	.23128	2.7960	.46451
#1	5.8847	.02703	2.4920	.69447	.02264	7.7594
#2	5.9503	.02452	2.5013	.69132	.02383	7.8268
#3	5.9044	.02575	2.4872	.69340	.02371	7.7703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-8-A Acquired: 11/26/2021 11:52:52 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24911**	**.00774**	**.00200**	**.01189**	**6.2141**	**.03395**
Stddev	.00714	.00075	.00189	.00146	.0621	.00043
%RSD	2.8643	9.6717	94.353	12.256	.99980	1.2654
#1	.24132	.00688	.00122	.01240	6.1778	.03443
#2	.25068	.00809	.00062	.01025	6.2858	.03379
#3	.25533	.00826	.00415	.01303	6.1786	.03362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35005**	**1.1927**	**-.00229**	**.13543**	**.67611**
Stddev	.01962	.0018	.00149	.00503	.01852
%RSD	5.6058	.15080	65.209	3.7146	2.7391
#1	.34790	1.1913	-.00318	.13613	.65579
#2	.37065	1.1920	-.00057	.13009	.68050
#3	.33159	1.1947	-.00312	.14007	.69204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.9**	**3808.7**	**58352.**	**5066.9**
Stddev	49.5	88.2	248.	18.0
%RSD	2.3013	2.3168	.42536	.35579
#1	2204.5	3907.6	58301.	5064.6
#2	2132.7	3780.4	58622.	5050.1
#3	2109.6	3738.1	58134.	5086.0

Sample Name: 180-130364-A-9-A Acquired: 11/26/2021 11:57:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03238**	**32.556**	**.01930**	**.58034**	**.61205**	**.01403**
Stddev	.00010	.202	.00295	.00274	.00130	.00011
%RSD	.29372	.62139	15.287	.47170	.21231	.76710
#1	.03227	32.583	.02016	.57720	.61172	.01413
#2	.03242	32.744	.01601	.58156	.61348	.01392
#3	.03244	32.342	.02172	.58225	.61095	.01404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.579**	**.01153**	**.04213**	**.08190**	**.40049**	**17.991**
Stddev	.096	.00007	.00022	.00131	.00287	.007
%RSD	.34672	.56479	.51393	1.5978	.71762	.03767
#1	27.532	.01151	.04214	.08160	.40045	17.997
#2	27.689	.01161	.04190	.08077	.39764	17.992
#3	27.515	.01148	.04234	.08333	.40339	17.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2027**	**.02634**	**2.6751**	**.70481**	**.02380**	**8.3197**
Stddev	.0277	.00051	.0270	.00229	.00004	.0156
%RSD	.44617	1.9361	1.0093	.32556	.16064	.18694
#1	6.2336	.02683	2.6569	.70552	.02376	8.3194
#2	6.1801	.02581	2.7061	.70224	.02381	8.3042
#3	6.1943	.02639	2.6623	.70666	.02384	8.3353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-9-A Acquired: 11/26/2021 11:57:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26011**	**.00845**	**.00175**	**.01054**	**5.9491**	**.03332**
Stddev	.00084	.00104	.00146	.00080	.0183	.00099
%RSD	.32194	12.327	83.553	7.5626	.30780	2.9707
#1	.25993	.00942	.00026	.01013	5.9422	.03441
#2	.25938	.00858	.00180	.01146	5.9699	.03306
#3	.26103	.00735	.00319	.01004	5.9353	.03248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35098**	**1.2779**	**-.00238**	**.14019**	**.63926**
Stddev	.00170	.0007	.00164	.00247	.00269
%RSD	.48404	.05828	69.033	1.7632	.42078
#1	.35285	1.2778	-.00086	.13737	.64163
#2	.35056	1.2787	-.00413	.14120	.63634
#3	.34954	1.2772	-.00215	.14200	.63983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2137.1**	**3791.1**	**58347.**	**5045.1**
Stddev	3.0	9.6	264.	10.4
%RSD	.13985	.25225	.45247	.20683
#1	2135.0	3782.6	58328.	5051.6
#2	2140.5	3801.5	58620.	5033.1
#3	2135.7	3789.3	58093.	5050.6

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:01:55 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0054**	**23.366**	**.49244**	**2.0051**	**1.8884**	**1.8911**
Stddev	.0174	.624	.00152	.0057	.0575	.0695
%RSD	1.7334	2.6725	.30911	.28367	3.0428	3.6765
#1	.98800	22.668	.49319	2.0013	1.8243	1.8126
#2	1.0229	23.559	.49069	2.0024	1.9059	1.9159
#3	1.0053	23.871	.49344	2.0116	1.9351	1.9448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.335**	**.49293**	**1.9870**	**1.9343**	**1.9735**	**23.339**
Stddev	1.342	.00244	.0041	.0336	.0401	.878
%RSD	2.8360	.49556	.20503	1.7370	2.0334	3.7634
#1	45.846	.49036	1.9908	1.9047	1.9370	22.350
#2	47.704	.49320	1.9827	1.9708	2.0165	23.636
#3	48.453	.49522	1.9875	1.9273	1.9671	24.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**114.60**	**1.9338**	**46.381**	**1.9218**	**1.8941**	**118.38**
Stddev	4.45	.0523	1.876	.0349	.0131	4.62
%RSD	3.8792	2.7047	4.0447	1.8168	.69305	3.9034
#1	109.56	1.8758	44.307	1.8871	1.8816	113.22
#2	116.28	1.9484	46.876	1.9569	1.8929	119.77
#3	117.96	1.9773	47.960	1.9215	1.9077	122.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:01:55 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0020**	**.48448**	**.48742**	**.50134**	**1.8990**	**1.8238**
Stddev	.0055	.00090	.00049	.00585	.0684	.0105
%RSD	.27664	.18482	.10085	1.1661	3.6003	.57543
#1	2.0052	.48514	.48786	.49598	1.8291	1.8155
#2	1.9956	.48346	.48750	.50046	1.9023	1.8202
#3	2.0052	.48483	.48689	.50758	1.9657	1.8356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8917**	**1.9565**	**.94365**	**1.8724**	**1.8995**
Stddev	.0631	.0352	.00280	.0601	.0088
%RSD	3.3376	1.7980	.29711	3.2107	.46359
#1	1.8203	1.9192	.94161	1.8035	1.8945
#2	1.9148	1.9891	.94249	1.8998	1.8943
#3	1.9400	1.9611	.94684	1.9139	1.9097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.1**	**3511.8**	**52907.**	**4785.3**
Stddev	5.7	10.2	711.	138.2
%RSD	.29471	.28902	1.3447	2.8878
#1	1926.8	3517.6	53628.	4934.9
#2	1938.0	3517.8	52205.	4758.5
#3	1934.4	3500.1	52888.	4662.4

Sample Name: CCB5 Acquired: 11/26/2021 12:06:17 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00476**	**-.00013**	**.00153**	**.00019**	**.00008**
Stddev	.00019	.02339	.00044	.00027	.00012	.00004
%RSD	122.94	491.20	345.12	17.763	61.987	51.448
#1	-.00022	-.01207	-.00059	.00154	.00008	.00004
#2	-.00030	-.00512	.00027	.00126	.00017	.00013
#3	.00006	.03147	-.00005	.00180	.00032	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00908**	**.00000**	**.00007**	**.00037**	**.00090**	**-.00673**
Stddev	.00348	.00008	.00011	.00037	.00060	.00119
%RSD	38.320	1555.7	170.49	100.13	67.042	17.636
#1	-.00722	.00005	.00020	-.00004	.00025	-.00793
#2	-.00693	.00005	.00000	.00048	.00144	-.00670
#3	-.01310	-.00008	-.00000	.00067	.00101	-.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07471**	**-.00294**	**.04026**	**.00005**	**.00712**	**-.26547**
Stddev	.02201	.00100	.01513	.00002	.00086	.00862
%RSD	29.464	33.862	37.587	48.828	12.055	3.2463
#1	-.09851	-.00189	.04805	.00005	.00804	-.25727
#2	-.05509	-.00386	.02282	.00007	.00697	-.27445
#3	-.07052	-.00307	.04991	.00002	.00635	-.26469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 11/26/2021 12:06:17 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00105**	**.00031**	**.00340**	**.00465**	**-.00123**
Stddev	.00011	.00098	.00201	.00333	.00368	.00019
%RSD	47.810	93.561	644.87	97.851	79.279	15.630
#1	-.00010	.00078	-.00195	.00723	.00588	-.00140
#2	-.00027	.00023	.00186	.00120	.00756	-.00127
#3	-.00030	.00213	.00102	.00177	.00050	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00054**	**-.00090**	**.00166**	**.00211**
Stddev	.00590	.00007	.00104	.00821	.00028
%RSD	419.03	12.264	115.32	495.33	13.052
#1	.00054	.00053	-.00209	-.00382	.00212
#2	-.00401	.00061	-.00015	-.00230	.00183
#3	.00769	.00048	-.00047	.01110	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2293.0**	**3708.3**	**57502.**	**4831.9**
Stddev	3.8	6.2	101.	11.5
%RSD	.16668	.16772	.17637	.23835
#1	2295.7	3713.4	57559.	4827.0
#2	2294.8	3710.0	57385.	4823.6
#3	2288.7	3701.4	57563.	4845.0

Sample Name: MB 180-380054/1-A Acquired: 11/26/2021 12:10:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00933**	**-.00123**	**.00065**	**-.00007**	**.00008**
Stddev	.00012	.00667	.00236	.00030	.00015	.00012
%RSD	90436.	71.424	191.89	45.352	220.12	140.36
#1	.00014	-.00199	-.00170	.00091	.00004	.00000
#2	-.00007	-.01102	-.00331	.00033	-.00025	.00003
#3	-.00007	-.01499	.00133	.00072	.00000	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00010**	**.00021**	**-.00020**	**.00109**	**-.00507**
Stddev	.00479	.00013	.00022	.00031	.00039	.00226
%RSD	208.53	137.43	103.84	151.15	35.751	44.683
#1	.00163	-.00004	-.00002	-.00039	.00069	-.00322
#2	-.00213	-.00000	.00023	-.00037	.00112	-.00760
#3	.00739	-.00025	.00042	.00015	.00146	-.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08923**	**-.00204**	**.04523**	**.00003**	**.00242**	**-.27059**
Stddev	.00859	.00029	.01456	.00002	.00004	.00848
%RSD	9.6297	13.990	32.196	87.902	1.8190	3.1336
#1	-.09915	-.00218	.06176	.00001	.00240	-.26344
#2	-.08447	-.00223	.03433	.00002	.00247	-.26838
#3	-.08408	-.00171	.03959	.00005	.00239	-.27996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380054/1-A Acquired: 11/26/2021 12:10:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00044**	**-.00091**	**.00266**	**.00838**	**-.00090**
Stddev	.00024	.00166	.00232	.00063	.00650	.00048
%RSD	55.066	376.04	253.99	23.649	77.610	53.187
#1	-.00069	-.00043	-.00344	.00302	.01152	-.00106
#2	-.00041	-.00060	.00113	.00193	.00090	-.00128
#3	-.00021	.00235	-.00043	.00302	.01271	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00017**	**-.00048**	**-.00032**	**.00309**
Stddev	.00463	.00007	.00116	.00072	.00004
%RSD	65361.	43.381	244.08	222.88	1.1568
#1	.00202	.00023	.00006	.00004	.00313
#2	.00326	.00018	-.00181	.00014	.00308
#3	-.00530	.00009	.00032	-.00115	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2268.5**	**3693.1**	**57225.**	**4835.2**
Stddev	31.6	51.6	23.	14.8
%RSD	1.3933	1.3978	.03958	.30590
#1	2289.1	3727.8	57209.	4828.5
#2	2284.3	3717.7	57214.	4825.0
#3	2232.1	3633.8	57251.	4852.2

Sample Name: LCS 180-380054/2-A Acquired: 11/26/2021 12:15:39 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24846**	**4.8658**	**1.0232**	**1.3003**	**.97608**	**.49192**
Stddev	.00038	.0785	.0076	.0101	.00494	.00269
%RSD	.15341	1.6123	.74523	.78053	.50618	.54779
#1	.24888	4.9250	1.0319	1.3120	.98006	.49471
#2	.24838	4.8957	1.0201	1.2942	.97763	.49172
#3	.24813	4.7768	1.0176	1.2947	.97055	.48933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.267**	**.50165**	**.49225**	**.48523**	**.49625**	**4.7835**
Stddev	.147	.00365	.00363	.00169	.00283	.0367
%RSD	.60663	.72693	.73790	.34844	.56953	.76835
#1	24.430	.50583	.49640	.48707	.49935	4.8247
#2	24.229	.49999	.49070	.48485	.49559	4.7718
#3	24.143	.49913	.48965	.48375	.49381	4.7540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.133**	**.50032**	**23.757**	**.48207**	**.47174**	**23.775**
Stddev	.176	.00289	.255	.00143	.00299	.184
%RSD	.76071	.57780	1.0717	.29597	.63408	.77390
#1	23.306	.50160	24.040	.48357	.47513	23.964
#2	23.138	.50234	23.683	.48191	.47059	23.762
#3	22.955	.49701	23.547	.48073	.46949	23.597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380054/2-A Acquired: 11/26/2021 12:15:39 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48946**	**.47613**	**.23097**	**1.0363**	**1.0145**	**.93616**
Stddev	.00203	.00573	.00081	.0046	.0137	.00913
%RSD	.41465	1.2042	.35166	.44848	1.3526	.97575
#1	.49179	.48275	.23168	1.0414	1.0265	.94644
#2	.48805	.47259	.23113	1.0350	1.0175	.93307
#3	.48856	.47306	.23008	1.0324	.99956	.92898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48628**	**.49065**	**.97461**	**.48660**	**.24504**
Stddev	.00698	.00148	.00434	.00617	.00261
%RSD	1.4353	.30114	.44536	1.2680	1.0643
#1	.49069	.49127	.97932	.48653	.24792
#2	.47824	.49171	.97375	.49280	.24436
#3	.48993	.48896	.97077	.48046	.24283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.2**	**3619.4**	**55718.**	**4799.0**
Stddev	10.5	18.8	142.	36.2
%RSD	.49725	.51973	.25522	.75444
#1	2092.1	3597.7	55554.	4760.7
#2	2110.4	3630.7	55809.	4803.5
#3	2110.2	3629.9	55790.	4832.7

Sample Name: 180-130363-L-1-A Acquired: 11/26/2021 12:20:01 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.05365**	**.00295**	**.02188**	**.13812**	**-.00004**
Stddev	.00008	.02286	.00257	.00048	.00102	.00007
%RSD	35.950	42.597	87.026	2.2036	.73827	210.38
#1	.00023	.03528	.00418	.02162	.13902	-.00003
#2	.00030	.04644	-.00000	.02243	.13833	-.00011
#3	.00014	.07925	.00468	.02157	.13701	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**72.661**	**-.00002**	**.00021**	**.00022**	**.00008**	**.04511**
Stddev	.231	.00010	.00019	.00016	.00059	.00311
%RSD	.31853	442.27	89.252	72.698	691.66	6.9006
#1	72.892	-.00011	.00002	.00031	.00032	.04318
#2	72.662	.00009	.00040	.00004	-.00058	.04870
#3	72.429	-.00006	.00022	.00032	.00052	.04345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7364**	**.01104**	**15.270**	**.00122**	**.00494**	**8.2482**
Stddev	.0462	.00107	.092	.00004	.00061	.0346
%RSD	2.6591	9.6813	.60114	3.1775	12.345	.41911
#1	1.7484	.00985	15.339	.00122	.00519	8.2365
#2	1.7754	.01133	15.305	.00126	.00538	8.2871
#3	1.6854	.01192	15.166	.00118	.00424	8.2209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130363-L-1-A Acquired: 11/26/2021 12:20:01 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00013**	**-.00003**	**.00145**	**5.4225**	**-.00127**
Stddev	.00027	.00120	.00119	.00027	.0152	.00053
%RSD	135.75	941.45	3832.0	18.612	.28034	41.351
#1	-.00022	.00127	-.00083	.00119	5.4400	-.00115
#2	.00008	-.00112	.00133	.00142	5.4131	-.00082
#3	-.00045	.00023	-.00060	.00173	5.4144	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41696**	**.00056**	**.00066**	**.00057**	**.00189**
Stddev	.01218	.00004	.00038	.00242	.00003
%RSD	2.9205	7.6122	57.942	427.89	1.7657
#1	.40854	.00052	.00085	.00217	.00193
#2	.43092	.00054	.00022	-.00222	.00189
#3	.41140	.00061	.00090	.00175	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.8**	**3566.5**	**54884.**	**4791.2**
Stddev	10.5	17.5	601.	14.1
%RSD	.49696	.49168	1.0954	.29510
#1	2119.9	3574.0	55569.	4785.6
#2	2106.4	3546.5	54642.	4807.3
#3	2127.2	3579.1	54442.	4780.7

Sample Name: 180-130363-L-2-A Acquired: 11/26/2021 12:24:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.04985**	**.00279**	**.02249**	**.14227**	**.00015**
Stddev	.00026	.01581	.00219	.00017	.00078	.00007
%RSD	72.554	31.718	78.541	.75505	.54944	44.517
#1	-.00019	.06049	.00404	.02230	.14158	.00020
#2	-.00065	.03168	.00408	.02261	.14312	.00007
#3	-.00022	.05739	.00026	.02257	.14212	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.272**	**-.00004**	**.00004**	**.00039**	**-.00013**	**.03010**
Stddev	.145	.00006	.00015	.00008	.00057	.00378
%RSD	.19002	165.79	417.08	19.507	450.06	12.556
#1	76.158	-.00010	.00015	.00045	-.00049	.02583
#2	76.435	-.00005	-.00013	.00041	-.00042	.03144
#3	76.223	.00003	.00009	.00030	.00053	.03302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7743**	**.01029**	**15.936**	**.00166**	**.00297**	**8.7906**
Stddev	.0287	.00038	.053	.00003	.00028	.0706
%RSD	1.6180	3.6739	.33347	1.7101	9.5467	.80270
#1	1.7424	.00989	15.975	.00164	.00330	8.7245
#2	1.7824	.01064	15.958	.00164	.00278	8.8649
#3	1.7981	.01033	15.876	.00169	.00283	8.7824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130363-L-2-A Acquired: 11/26/2021 12:24:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00161**	**-.00048**	**.00340**	**5.6600**	**-.00130**
Stddev	.00035	.00083	.00147	.00079	.0491	.00032
%RSD	282.83	51.558	306.69	23.263	.86682	24.751
#1	-.00035	.00255	.00066	.00431	5.6082	-.00129
#2	.00028	.00097	-.00214	.00300	5.7058	-.00163
#3	-.00031	.00132	.00004	.00288	5.6659	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.44983**	**.00080**	**.00103**	**.00316**	**.00187**
Stddev	.00418	.00023	.00109	.00256	.00002
%RSD	.93027	28.989	105.82	81.009	.92427
#1	.44617	.00083	.00160	.00024	.00189
#2	.45439	.00055	-.00023	.00421	.00187
#3	.44894	.00100	.00172	.00503	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2090.1**	**3523.5**	**54390.**	**4803.0**
Stddev	2.7	9.9	64.	13.4
%RSD	.12706	.28090	.11680	.27898
#1	2091.7	3533.8	54419.	4809.6
#2	2091.6	3522.5	54318.	4787.6
#3	2087.1	3514.1	54435.	4811.9

Sample Name: 180-130261-K-1-A Acquired: 11/26/2021 12:29:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	F **365.23**	F **3.4089**	**1.4467**	**.00154**	**.00753**
Stddev	.00018	3.51	.0067	.0034	.00015	.00045
%RSD	6.3783	.96121	.19812	.23338	9.8581	5.9461
#1	.00271	361.84	3.4164	1.4505	.00150	.00791
#2	.00270	368.85	3.4034	1.4453	.00141	.00766
#3	.00302	364.99	3.4069	1.4441	.00171	.00704
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.00	1.0000			
Low Limit		-.20000	-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91954**	**-.00026**	**.00495**	**2.8678**	**.18904**	**.16054**
Stddev	.00962	.00007	.00027	.0227	.00241	.00271
%RSD	1.0465	26.376	5.4399	.79245	1.2773	1.6902
#1	.90844	-.00019	.00525	2.8750	.19052	.16294
#2	.92556	-.00027	.00484	2.8861	.19036	.16109
#3	.92462	-.00033	.00475	2.8424	.18626	.15760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.40**	**.06281**	**.02792**	**.00554**	**2.1914**	^ *****
Stddev	1.00	.00188	.01646	.00011	.0024	-----
%RSD	.72257	2.9921	58.933	2.0416	.10760	-----
#1	137.37	.06093	.04662	.00546	2.1940	^ -----
#2	139.37	.06282	.01565	.00549	2.1894	^ -----
#3	138.45	.06469	.02149	.00567	2.1907	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130261-K-1-A Acquired: 11/26/2021 12:29:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06390**	F **-.02226**	**.00061**	**.20609**	**7.4934**	**.00665**
Stddev	.00052	.00329	.00467	.00591	.0927	.00028
%RSD	.81504	14.763	765.40	2.8680	1.2377	4.1872
#1	.06348	-.02197	.00601	.20540	7.3864	.00655
#2	.06374	-.02568	-.00201	.21232	7.5497	.00644
#3	.06448	-.01913	-.00217	.20056	7.5442	.00697
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.01826**	F **-.10979**	F **44.415**	**.04455**
Stddev	.00655	.00024	.01021	.423	.00056
%RSD	531.70	1.3047	9.2997	.95287	1.2641
#1	-.00253	.01851	-.12156	44.028	.04392
#2	.00587	.01824	-.10448	44.867	.04470
#3	-.00704	.01803	-.10333	44.348	.04502
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1373.9**	**3133.0**	**44327.**	**4505.9**
Stddev	.9	2.2	187.	45.8
%RSD	.06226	.07179	.42158	1.0170
#1	1372.9	3132.9	44237.	4555.0
#2	1374.6	3135.3	44203.	4464.3
#3	1374.1	3130.8	44542.	4498.3

Sample Name: 180-130261-K-2-A Acquired: 11/26/2021 12:33:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	F **423.88**	F **2.4077**	**1.0944**	**.00120**	**.00682**
Stddev	.00070	1.87	.0174	.0069	.00024	.00036
%RSD	33.035	.44193	.72330	.62635	19.772	5.2890
#1	.00149	423.06	2.4277	1.1023	.00112	.00697
#2	.00288	426.02	2.3959	1.0905	.00147	.00641
#3	.00201	422.55	2.3995	1.0904	.00102	.00708
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.00	1.0000			
Low Limit		-.20000	-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1525**	**.00121**	**.00487**	**4.0961**	**.28672**	**.20169**
Stddev	.0082	.00009	.00039	.0181	.00015	.00196
%RSD	.71482	7.6055	7.9888	.44235	.05289	.97191
#1	1.1463	.00131	.00523	4.0812	.28655	.20216
#2	1.1618	.00116	.00446	4.0909	.28684	.19954
#3	1.1493	.00115	.00490	4.1163	.28676	.20338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.05**	**.06059**	**.04784**	**.00724**	**1.4263**	F **3699.5**
Stddev	.65	.00122	.01605	.00004	.0091	41.8
%RSD	.51723	2.0071	33.553	.55518	.64007	1.1297
#1	125.89	.06067	.04811	.00720	1.4369	3729.9
#2	126.76	.06176	.06376	.00723	1.4213	3716.7
#3	125.49	.05933	.03166	.00728	1.4208	3651.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130261-K-2-A Acquired: 11/26/2021 12:33:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02096**	F **-.02277**	**-.00353**	**.17578**	**4.1304**	**.00805**
Stddev	.00131	.00480	.00460	.00096	.0219	.00044
%RSD	6.2656	21.089	130.11	.54887	.53129	5.4612
#1	.02188	-.02737	.00176	.17631	4.1227	.00846
#2	.02154	-.02314	-.00655	.17635	4.1551	.00811
#3	.01946	-.01779	-.00582	.17466	4.1133	.00758
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.02127**	F **-.10415**	F **43.470**	**.04439**
Stddev	.00521	.00031	.00469	.158	.00036
%RSD	147.83	1.4513	4.5042	.36436	.80951
#1	.00550	.02155	-.10904	43.424	.04473
#2	-.00239	.02094	-.09969	43.646	.04402
#3	.00746	.02130	-.10373	43.340	.04441
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1410.3**	**3182.8**	**45288.**	**4461.7**
Stddev	8.5	18.3	158.	16.2
%RSD	.60423	.57561	.34901	.36413
#1	1400.5	3161.7	45460.	4478.0
#2	1415.9	3194.8	45253.	4445.5
#3	1414.6	3191.8	45150.	4461.5

Sample Name: 180-130261-K-3-A Acquired: 11/26/2021 12:38:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**6.4214**	F **5.7154**	F **5.4074**	**.00071**	**.00164**
Stddev	.00029	.7799	.0398	.0255	.00013	.00025
%RSD	12.915	12.145	.69550	.47137	17.722	15.500
#1	.00247	5.5373	5.7451	5.4085	.00057	.00153
#2	.00228	7.0115	5.7308	5.4323	.00082	.00193
#3	.00191	6.7155	5.6702	5.3814	.00073	.00145
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2316**	**-.00287**	**.01481**	**.07143**	**-.00074**	**.01183**
Stddev	.0935	.00013	.00080	.00617	.00093	.00604
%RSD	7.5929	4.4164	5.4059	8.6345	124.92	51.035
#1	1.1774	-.00299	.01463	.07724	-.00176	.01521
#2	1.3395	-.00274	.01569	.07209	.00006	.01541
#3	1.1778	-.00288	.01411	.06496	-.00054	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **502.64**	**.11092**	**.70404**	**.00217**	F **6.3580**	F **5492.9**
Stddev	41.17	.01016	.05808	.00012	.0155	407.8
%RSD	8.1903	9.1574	8.2498	5.7144	.24306	7.4232
#1	483.97	.10871	.65339	.00223	6.3591	5342.9
#2	549.84	.12200	.76744	.00226	6.3729	5954.4
#3	474.12	.10205	.69131	.00203	6.3420	5181.4
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-3-A Acquired: 11/26/2021 12:38:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00926**	F **-.02429**	F **-.01763**	F **1.3775**	**.69986**	**.11901**
Stddev	.00129	.00293	.00262	.0186	.12093	.00248
%RSD	13.920	12.084	14.836	1.3501	17.279	2.0805
#1	.01073	-.02114	-.01570	1.3964	.76237	.12176
#2	.00836	-.02477	-.02061	1.3770	.77674	.11831
#3	.00867	-.02695	-.01658	1.3592	.56047	.11696
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		10.000	1.0000	1.0000		
Low Limit		-.01000	-.01000	-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01297**	**.17523**	F **-.83271**	F **13.568**	**.03652**
Stddev	.01389	.00218	.03337	.485	.00564
%RSD	107.15	1.2428	4.0069	3.5711	15.438
#1	.02884	.17631	-.81229	13.691	.04183
#2	.00305	.17665	-.87122	13.979	.03712
#3	.00701	.17272	-.81463	13.034	.03060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**835.25**	**2097.8**	**27892.**	**3065.5**
Stddev	32.48	13.9	2082.	243.1
%RSD	3.8886	.66381	7.4627	7.9291
#1	859.87	2097.5	26056.	3177.4
#2	798.44	2084.1	27466.	2786.6
#3	847.44	2111.9	30153.	3232.4

Sample Name: 180-130261-K-4-A Acquired: 11/26/2021 12:43:15 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.04200**	F **1.5969**	F **5.9640**	**.00112**	**.00010**
Stddev	.00032	.03987	.0240	.0873	.00012	.00007
%RSD	9.1906	94.928	1.5034	1.4642	10.526	71.734
#1	.00380	.08802	1.6059	6.0074	.00124	.00002
#2	.00326	.02011	1.6151	6.0211	.00109	.00012
#3	.00325	.01787	1.5697	5.8635	.00101	.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4235**	**-.00017**	**.01444**	**.00293**	**.00450**	**.03063**
Stddev	.0237	.00004	.00070	.00049	.00026	.00154
%RSD	1.6661	24.440	4.8761	16.597	5.7952	5.0328
#1	1.3978	-.00014	.01485	.00280	.00420	.02893
#2	1.4446	-.00022	.01485	.00346	.00465	.03099
#3	1.4281	-.00016	.01363	.00252	.00465	.03195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **455.92**	**.14843**	**5.5577**	**.00789**	F **6.2675**	F **3024.4**
Stddev	3.23	.00255	.0987	.00039	.0872	54.0
%RSD	.70838	1.7173	1.7767	4.8915	1.3915	1.7849
#1	458.04	.15081	5.4936	.00749	6.3013	2963.1
#2	457.52	.14873	5.6714	.00792	6.3328	3064.7
#3	452.20	.14574	5.5081	.00826	6.1685	3045.4
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-4-A Acquired: 11/26/2021 12:43:15 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	F **-.02613**	**.00085**	**.69461**	**2.4218**	**.06214**
Stddev	.00053	.00111	.00341	.01429	.0900	.00279
%RSD	6.5812	4.2354	402.92	2.0578	3.7157	4.4910
#1	.00738	-.02739	.00035	.69195	2.5138	.06123
#2	.00832	-.02533	.00448	.71005	2.4176	.06527
#3	.00826	-.02567	-.00229	.68184	2.3340	.05991
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03577**	**.26855**	F **-.71556**	**1.1516**	**.00817**
Stddev	.00392	.00553	.01050	.0226	.00085
%RSD	10.958	2.0588	1.4677	1.9627	10.401
#1	.03224	.26375	-.72739	1.1776	.00901
#2	.03508	.26729	-.70732	1.1370	.00817
#3	.03998	.27460	-.71198	1.1401	.00732
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			2.0000		
Low Limit			-.02000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**658.97**	**2768.6**	**41616.**	**4685.5**
Stddev	8.33	39.6	308.	60.2
%RSD	1.2644	1.4314	.74004	1.2837
#1	650.32	2758.1	41314.	4752.6
#2	666.94	2735.3	41930.	4636.5
#3	659.66	2812.5	41603.	4667.3

Sample Name: 180-130261-K-5-A Acquired: 11/26/2021 12:47:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**1.3743**	F **5.5766**	F **6.4903**	**.06047**	**.00078**
Stddev	.00073	.0972	.1950	.1794	.00566	.00009
%RSD	46.197	7.0711	3.4968	2.7636	9.3596	12.097
#1	.00083	1.2622	5.8011	6.6943	.05419	.00068
#2	.00230	1.4325	5.4492	6.3574	.06517	.00079
#3	.00163	1.4284	5.4796	6.4191	.06205	.00087
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5888**	**-.00308**	**.01571**	**.00590**	**-.00438**	**.03775**
Stddev	.0943	.00013	.00115	.00067	.00094	.00419
%RSD	5.9355	4.3189	7.2938	11.373	21.558	11.088
#1	1.5050	-.00309	.01701	.00546	-.00544	.03602
#2	1.6909	-.00294	.01488	.00667	-.00363	.03470
#3	1.5705	-.00321	.01522	.00556	-.00407	.04252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **512.55**	**.08093**	**3.7665**	**.03336**	F **7.6800**	F **4171.3**
Stddev	37.61	.00751	.1525	.00076	.2410	258.0
%RSD	7.3382	9.2795	4.0489	2.2793	3.1381	6.1844
#1	480.24	.07297	3.6261	.03270	7.9569	4044.6
#2	553.84	.08789	3.9288	.03319	7.5179	4468.1
#3	503.58	.08194	3.7445	.03419	7.5652	4001.1
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-5-A Acquired: 11/26/2021 12:47:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00850**	F **-.02417**	F **-.01632**	F **1.3848**	**1.0985**	**.12584**
Stddev	.00149	.00616	.00126	.1057	.1328	.01205
%RSD	17.551	25.496	7.7131	7.6324	12.088	9.5794
#1	.00794	-.03081	-.01680	1.5066	1.1904	.13943
#2	.00736	-.01865	-.01489	1.3309	1.1588	.11644
#3	.01018	-.02304	-.01726	1.3169	.94626	.12164
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		10.000	1.0000	1.0000		
Low Limit		-.01000	-.01000	-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02777**	**.07998**	F **-.86624**	F **5.2692**	**.00230**
Stddev	.01115	.00052	.05467	.1171	.00057
%RSD	40.135	.64972	6.3111	2.2219	24.840
#1	.04064	.08050	-.92865	5.1948	.00164
#2	.02165	.07946	-.82685	5.4042	.00270
#3	.02103	.08000	-.84320	5.2087	.00254
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**731.19**	**1871.4**	**28377.**	**3135.0**
Stddev	13.65	58.2	721.	176.8
%RSD	1.8661	3.1115	2.5395	5.6395
#1	716.70	1804.6	27570.	3272.4
#2	743.79	1911.6	28606.	2935.5
#3	733.08	1897.9	28956.	3197.1

Sample Name: 660-115585-G-4-A Acquired: 11/26/2021 12:52:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.05693**	**.01388**	**3.4894**	**.01418**	**.00010**
Stddev	.00046	.02044	.00174	.0031	.00028	.00006
%RSD	167.42	35.896	12.566	.08870	1.9598	62.237
#1	.00008	.03652	.01408	3.4927	.01416	.00003
#2	-.00010	.07740	.01551	3.4866	.01447	.00016
#3	-.00079	.05687	.01204	3.4890	.01391	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**276.04**	**.00028**	**.00456**	**.00096**	**-.00131**	**.04047**
Stddev	1.31	.00021	.00042	.00109	.00100	.00200
%RSD	.47522	77.175	9.2246	113.19	76.440	4.9376
#1	276.00	.00007	.00487	.00106	-.00021	.03905
#2	277.37	.00026	.00408	-.00017	-.00156	.04276
#3	274.75	.00050	.00472	.00200	-.00216	.03961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**314.27**	**.25256**	F **912.11**	**.01806**	**.02648**	F **2644.9**
Stddev	.28	.00161	2.56	.00012	.00256	3.2
%RSD	.09044	.63773	.28019	.64313	9.6812	.12273
#1	314.39	.25361	912.94	.01818	.02931	2643.7
#2	314.48	.25337	914.15	.01795	.02578	2648.6
#3	313.95	.25071	909.24	.01805	.02433	2642.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-A Acquired: 11/26/2021 12:52:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00744**	**-.00038**	**.00026**	**.02646**	**.06453**	**-.00086**
Stddev	.00027	.00260	.00207	.00437	.01495	.00033
%RSD	3.6493	685.13	791.62	16.527	23.166	38.136
#1	.00744	.00094	-.00059	.03141	.05821	-.00063
#2	.00771	.00130	-.00124	.02310	.05378	-.00124
#3	.00717	-.00337	.00262	.02488	.08160	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.5473**	**.00123**	**-.00412**	**.01459**	**.00493**
Stddev	.0309	.00007	.00183	.00438	.00028
%RSD	.47230	5.7576	44.342	30.022	5.6862
#1	6.5127	.00127	-.00529	.01061	.00512
#2	6.5724	.00127	-.00201	.01387	.00505
#3	6.5567	.00115	-.00505	.01928	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1288.9**	**2646.8**	**39632.**	**4041.1**
Stddev	7.9	10.2	183.	29.9
%RSD	.61644	.38649	.46229	.74048
#1	1280.1	2636.4	39801.	4050.1
#2	1295.4	2656.9	39658.	4007.7
#3	1291.3	2647.0	39437.	4065.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:57:29 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97074**	**23.554**	**.47880**	**1.9646**	**1.8920**	**1.8765**
Stddev	.00384	.095	.00209	.0034	.0019	.0067
%RSD	.39547	.40399	.43751	.17490	.10075	.35827
#1	.97008	23.452	.47799	1.9647	1.8898	1.8709
#2	.97487	23.640	.47722	1.9612	1.8932	1.8840
#3	.96728	23.571	.48117	1.9681	1.8929	1.8746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.127**	**.47951**	**1.9443**	**1.8737**	**1.9288**	**23.224**
Stddev	.089	.00029	.0063	.0085	.0063	.108
%RSD	.18794	.06035	.32192	.45521	.32486	.46706
#1	47.050	.47955	1.9491	1.8657	1.9241	23.129
#2	47.224	.47921	1.9465	1.8826	1.9359	23.342
#3	47.107	.47978	1.9372	1.8728	1.9264	23.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.84**	**2.0088**	**46.083**	**1.8399**	**1.8371**	F **104.76**
Stddev	.46	.0052	.296	.0061	.0059	1.09
%RSD	.39776	.25726	.64315	.33019	.32266	1.0400
#1	115.59	2.0145	45.871	1.8346	1.8309	104.20
#2	116.38	2.0074	46.422	1.8466	1.8376	106.02
#3	115.56	2.0044	45.957	1.8385	1.8428	104.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:57:29 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9394**	**.47364**	**.47488**	**.46761**	**1.9736**	F **1.7902**
Stddev	.0059	.00254	.00225	.01281	.0158	.0067
%RSD	.30409	.53576	.47396	2.7392	.80189	.37448
#1	1.9423	.47622	.47350	.45302	1.9553	1.7978
#2	1.9433	.47355	.47748	.47277	1.9819	1.7874
#3	1.9326	.47114	.47367	.47703	1.9836	1.7852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8581**	**1.8795**	**.92401**	**1.8903**	**1.8444**
Stddev	.0044	.0010	.00388	.0115	.0048
%RSD	.23459	.05231	.41972	.60649	.25921
#1	1.8631	1.8792	.92750	1.8834	1.8464
#2	1.8558	1.8806	.92468	1.9035	1.8479
#3	1.8553	1.8787	.91983	1.8840	1.8390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.6**	**3510.4**	**53635.**	**4751.9**
Stddev	7.1	6.6	158.	11.0
%RSD	.36528	.18814	.29419	.23076
#1	1935.1	3503.9	53763.	4763.9
#2	1938.1	3510.3	53459.	4742.5
#3	1948.6	3517.1	53684.	4749.4

Sample Name: CCB6 Acquired: 11/26/2021 13:01:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.02068**	**.00467**	**.00543**	**.00001**	**.00001**
Stddev	.00022	.02718	.00072	.00043	.00011	.00005
%RSD	667.67	131.41	15.385	7.9600	1232.2	473.08
#1	-.00028	.00978	.00428	.00557	.00000	-.00004
#2	.00016	-.04245	.00549	.00577	-.00010	.00003
#3	.00002	-.02938	.00422	.00494	.00012	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00382**	**-.00005**	**-.00015**	**.00002**	**.00107**	**-.00495**
Stddev	.00469	.00012	.00007	.00040	.00034	.00216
%RSD	122.84	226.18	46.751	1796.0	31.422	43.641
#1	-.00786	.00004	-.00008	-.00044	.00142	-.00644
#2	-.00493	-.00001	-.00014	.00028	.00103	-.00592
#3	.00133	-.00019	-.00022	.00022	.00075	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9262**	**.00345**	**.02841**	**.00031**	**.02679**	F **25.899**
Stddev	.0210	.00027	.01717	.00005	.00331	.121
%RSD	.42570	7.8852	60.425	16.260	12.351	.46763
#1	4.9316	.00372	.04583	.00036	.03021	26.036
#2	4.9030	.00317	.01151	.00027	.02656	25.855
#3	4.9439	.00347	.02789	.00029	.02360	25.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: CCB6 Acquired: 11/26/2021 13:01:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00050**	**-.00088**	F **.01078**	**.01273**	**-.00067**
Stddev	.00004	.00066	.00104	.00184	.00529	.00027
%RSD	9.8864	131.82	117.19	17.084	41.558	39.979
#1	.00039	.00015	-.00190	.01259	.01515	-.00069
#2	.00046	-.00117	.00017	.00891	.01639	-.00040
#3	.00046	-.00047	-.00092	.01085	.00667	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**.00167**	**.00008**	**.00337**	**.00068**
Stddev	.00736	.00010	.00161	.00092	.00016
%RSD	147.95	5.9682	1931.4	27.228	23.921
#1	.01223	.00156	-.00011	.00330	.00054
#2	-.00249	.00175	.00178	.00249	.00086
#3	.00519	.00171	-.00142	.00432	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2228.3**	**3644.2**	**55946.**	**4821.4**
Stddev	1.7	7.1	700.	19.6
%RSD	.07697	.19601	1.2518	.40615
#1	2228.1	3652.4	56413.	4829.9
#2	2230.2	3641.0	56285.	4835.2
#3	2226.8	3639.2	55141.	4799.0

Sample Name: 660-115585-G-4A SD@5 Acquired: 11/26/2021 13:06:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.01168**	**.00710**	**.68778**	**.00280**	**.00000**
Stddev	.00035	.01243	.00163	.00394	.00014	.00013
%RSD	601.64	106.36	23.004	.57321	5.0157	4779.2
#1	-.00034	.00259	.00823	.69135	.00280	-.00014
#2	.00033	-.02009	.00784	.68844	.00266	.00007
#3	-.00017	-.01756	.00523	.68354	.00294	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.181**	**.00010**	**.00222**	**.00003**	**-.00262**	**.00691**
Stddev	.419	.00004	.00043	.00037	.00052	.00137
%RSD	.71996	40.813	19.162	1094.8	19.900	19.817
#1	58.589	.00014	.00270	.00020	-.00225	.00800
#2	58.203	.00006	.00209	.00029	-.00322	.00538
#3	57.752	.00011	.00188	-.00039	-.00239	.00736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.487**	**.04781**	**182.91**	**.00369**	**.01064**	F **879.47**
Stddev	.584	.00182	1.26	.00013	.00052	13.00
%RSD	.94954	3.8071	.68619	3.5724	4.9146	1.4781
#1	61.770	.04675	184.02	.00360	.01109	883.07
#2	61.875	.04678	183.17	.00362	.01076	890.29
#3	60.815	.04992	181.55	.00384	.01007	865.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 660-115585-G-4A SD@5 Acquired: 11/26/2021 13:06:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00109**	**-.00011**	**.00934**	**.02039**	**-.00162**
Stddev	.00070	.00231	.00242	.00103	.00870	.00089
%RSD	114.47	211.59	2125.4	10.994	42.672	54.859
#1	.00123	.00179	.00093	.00898	.01141	-.00088
#2	.00073	.00296	-.00288	.01049	.02099	-.00137
#3	-.00014	-.00149	.00160	.00853	.02879	-.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3913**	**.00068**	**-.00334**	**.00395**	**.00144**
Stddev	.0045	.00020	.00198	.00328	.00010
%RSD	.32634	29.313	59.248	82.992	6.8201
#1	1.3965	.00051	-.00345	.00064	.00154
#2	1.3888	.00065	-.00525	.00720	.00145
#3	1.3885	.00090	-.00130	.00403	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1670.1**	**3145.0**	**47417.**	**4497.5**
Stddev	7.0	17.2	454.	35.1
%RSD	.42103	.54590	.95717	.77959
#1	1662.4	3128.6	46955.	4468.7
#2	1671.9	3143.5	47431.	4487.2
#3	1676.1	3162.8	47863.	4536.6

Sample Name: 660-115585-G-4-B MS Acquired: 11/26/2021 13:11:19 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31806**	**5.1595**	**1.1671**	**4.6723**	**.98494**	**.45642**
Stddev	.00134	.1420	.0035	.0123	.01380	.00740
%RSD	.42198	2.7517	.29946	.26383	1.4014	1.6209
#1	.31954	5.0370	1.1645	4.6833	.97681	.45296
#2	.31692	5.3151	1.1711	4.6745	1.0009	.46491
#3	.31771	5.1264	1.1658	4.6590	.97714	.45138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**287.97**	**.57519**	**.51007**	**.45186**	**.55122**	**4.6463**
Stddev	4.78	.00158	.00113	.00170	.00177	.0920
%RSD	1.6584	.27403	.22250	.37518	.32145	1.9795
#1	284.88	.57699	.51130	.45373	.55324	4.5962
#2	293.47	.57407	.50907	.45043	.54995	4.7525
#3	285.56	.57450	.50983	.45143	.55046	4.5904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**329.40**	**.86831**	F **901.91**	**.46783**	**.43291**	F **2906.9**
Stddev	4.20	.01075	16.32	.00118	.00169	35.3
%RSD	1.2763	1.2379	1.8093	.25325	.39115	1.2131
#1	327.65	.86160	892.05	.46858	.43146	2906.0
#2	334.20	.88070	920.75	.46845	.43250	2942.6
#3	326.36	.86262	892.94	.46647	.43477	2872.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-B MS Acquired: 11/26/2021 13:11:19 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50157**	**.47293**	**.26276**	**1.2050**	**1.1666**	**.79278**
Stddev	.00156	.00551	.00053	.0076	.0296	.00369
%RSD	.31112	1.1658	.20017	.63420	2.5340	.46486
#1	.50319	.47723	.26238	1.1990	1.1843	.79534
#2	.50143	.46671	.26255	1.2136	1.1831	.78856
#3	.50008	.47483	.26336	1.2025	1.1325	.79444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.8271**	**.47228**	**.86079**	**.47648**	**.22478**
Stddev	.1271	.00051	.00065	.00853	.00101
%RSD	1.8609	.10843	.07508	1.7897	.44891
#1	6.7658	.47260	.86141	.46682	.22591
#2	6.9732	.47255	.86085	.48297	.22444
#3	6.7423	.47169	.86012	.47965	.22398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1303.4**	**2698.7**	**40654.**	**4128.6**
Stddev	2.8	6.5	134.	75.2
%RSD	.21615	.24250	.32982	1.8224
#1	1300.8	2691.1	40512.	4167.3
#2	1303.1	2702.1	40672.	4041.9
#3	1306.4	2702.9	40778.	4176.6

Sample Name: 660-115585-H-4-A MSD Acquired: 11/26/2021 13:15:48 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31880**	**5.1089**	**1.2018**	**4.6992**	**.98957**	**.46087**
Stddev	.00082	.0277	.0181	.0568	.00112	.00138
%RSD	.25845	.54159	1.5104	1.2077	.11270	.29838
#1	.31959	5.1096	1.1864	4.6656	.98926	.46244
#2	.31795	5.0808	1.2218	4.7647	.99080	.46026
#3	.31886	5.1361	1.1973	4.6673	.98864	.45990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**285.82**	**.58915**	**.52343**	**.45894**	**.55804**	**4.5519**
Stddev	1.35	.00775	.00717	.00180	.00171	.0347
%RSD	.47204	1.3149	1.3697	.39279	.30609	.76302
#1	286.71	.58383	.51736	.46102	.55986	4.5810
#2	286.49	.59803	.53134	.45797	.55777	4.5612
#3	284.27	.58557	.52158	.45784	.55648	4.5134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**331.22**	**.87022**	F **898.37**	**.47370**	**.45092**	F **2821.3**
Stddev	.16	.00336	4.42	.00123	.00662	57.3
%RSD	.04900	.38641	.49184	.25932	1.4680	2.0304
#1	331.40	.86638	902.87	.47510	.44463	2860.3
#2	331.11	.87263	898.21	.47278	.45782	2847.9
#3	331.14	.87165	894.03	.47323	.45031	2755.5
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-H-4-A MSD Acquired: 11/26/2021 13:15:48 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51299**	**.48792**	**.26826**	**1.2406**	**1.1575**	**.81538**
Stddev	.00507	.00581	.00370	.0119	.0068	.01027
%RSD	.98764	1.1899	1.3797	.95568	.58535	1.2591
#1	.50859	.48242	.26941	1.2304	1.1646	.80697
#2	.51853	.49399	.27125	1.2536	1.1510	.82682
#3	.51185	.48736	.26412	1.2377	1.1570	.81235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.8057**	**.47983**	**.88376**	**.48103**	**.22970**
Stddev	.0282	.00123	.00939	.00485	.00288
%RSD	.41490	.25624	1.0619	1.0086	1.2545
#1	6.8347	.48052	.87450	.48053	.22697
#2	6.8043	.47841	.89327	.48611	.23271
#3	6.7782	.48056	.88352	.47645	.22942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1301.3**	**2695.4**	**41049.**	**4150.6**
Stddev	12.1	26.2	161.	35.3
%RSD	.93047	.97026	.39217	.85132
#1	1310.6	2714.1	40882.	4122.7
#2	1287.6	2665.6	41203.	4138.9
#3	1305.8	2706.6	41063.	4190.3

Sample Name: 660-115585-G-4-A PDS Acquired: 11/26/2021 13:20:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33596**	**5.3372**	**1.2441**	**4.8069**	**1.0302**	**.47753**
Stddev	.00091	.0521	.0048	.0071	.0025	.00173
%RSD	.26964	.97626	.38715	.14748	.24277	.36309
#1	.33656	5.2776	1.2417	4.8071	1.0280	.47571
#2	.33639	5.3600	1.2497	4.8139	1.0298	.47773
#3	.33491	5.3740	1.2410	4.7997	1.0329	.47916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**293.52**	**.61173**	**.54443**	**.47862**	**.58626**	**4.8052**
Stddev	.82	.00168	.00367	.00166	.00221	.0166
%RSD	.27985	.27493	.67459	.34707	.37638	.34482
#1	292.59	.61259	.54680	.47759	.58872	4.7879
#2	294.13	.61281	.54629	.48054	.58446	4.8209
#3	293.84	.60979	.54020	.47774	.58560	4.8068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**340.03**	**.89758**	F **920.70**	**.49713**	**.45877**	F **2876.5**
Stddev	1.44	.00360	3.36	.00102	.00152	20.7
%RSD	.42336	.40105	.36534	.20502	.33117	.71796
#1	338.44	.89717	916.95	.49749	.45806	2869.7
#2	340.40	.89421	923.45	.49792	.46052	2899.7
#3	341.24	.90137	921.71	.49598	.45775	2860.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-A PDS Acquired: 11/26/2021 13:20:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53132**	**.51020**	**.27577**	**1.2832**	**1.1935**	**.84516**
Stddev	.00280	.00407	.00131	.0034	.0106	.00278
%RSD	.52691	.79677	.47399	.26849	.88496	.32884
#1	.53445	.50702	.27443	1.2792	1.1822	.84685
#2	.53047	.51478	.27704	1.2850	1.1953	.84667
#3	.52905	.50880	.27585	1.2854	1.2031	.84195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.9502**	**.50052**	**.92089**	**.48887**	**.23606**
Stddev	.0311	.00101	.00203	.00152	.00136
%RSD	.44730	.20135	.22076	.31067	.57572
#1	6.9208	.50166	.92056	.48991	.23618
#2	6.9827	.49976	.91905	.48713	.23735
#3	6.9472	.50013	.92307	.48958	.23464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1293.0**	**2690.5**	**40645.**	**4145.2**
Stddev	3.8	5.9	158.	25.9
%RSD	.29736	.22028	.38910	.62423
#1	1290.5	2688.4	40610.	4172.9
#2	1291.1	2685.9	40508.	4121.6
#3	1297.4	2697.2	40818.	4141.2

Sample Name: 180-130390-A-1-A Acquired: 11/26/2021 13:24:47 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.01363**	**.01044**	**.13738**	**.11306**	**.00002**
Stddev	.00029	.01634	.00202	.00060	.00053	.00018
%RSD	1032.4	119.89	19.310	.43831	.46551	1148.8
#1	-.00007	-.03170	.00910	.13805	.11330	.00006
#2	-.00030	.00012	.01276	.13688	.11342	.00017
#3	.00029	-.00932	.00947	.13720	.11246	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**110.82**	**.00014**	**.00034**	**-.00038**	**.00104**	**-.00208**
Stddev	.30	.00021	.00025	.00049	.00028	.00069
%RSD	.27063	144.16	75.835	126.94	27.244	33.297
#1	111.14	.00006	.00013	.00010	.00109	-.00279
#2	110.76	.00038	.00025	-.00039	.00130	-.00141
#3	110.55	-.00001	.00062	-.00087	.00074	-.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6504**	**.01485**	**29.453**	**.03155**	**.01307**	**41.515**
Stddev	.0718	.00099	.056	.00027	.00121	.097
%RSD	1.2704	6.6597	.18874	.85530	9.2396	.23253
#1	5.7301	.01597	29.411	.03156	.01428	41.620
#2	5.6305	.01411	29.431	.03127	.01308	41.430
#3	5.5907	.01446	29.516	.03181	.01186	41.495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-1-A Acquired: 11/26/2021 13:24:47 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00175**	**.00018**	**.01652**	**4.5367**	**-.00123**
Stddev	.00042	.00241	.00052	.00246	.0189	.00064
%RSD	70.954	138.16	295.91	14.901	.41704	52.232
#1	.00092	.00002	.00077	.01655	4.5314	-.00179
#2	.00071	.00450	-.00023	.01897	4.5576	-.00053
#3	.00012	.00071	-.00001	.01404	4.5209	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.60880**	**.00059**	**.00122**	**.00457**	**.00095**
Stddev	.00840	.00015	.00058	.00272	.00016
%RSD	1.3799	24.448	47.326	59.564	17.107
#1	.61828	.00043	.00172	.00172	.00113
#2	.60228	.00072	.00136	.00713	.00082
#3	.60585	.00063	.00059	.00485	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2037.6**	**3511.7**	**54076.**	**4701.6**
Stddev	2.2	2.8	149.	16.7
%RSD	.10597	.07889	.27626	.35595
#1	2035.1	3508.6	53965.	4686.4
#2	2038.6	3513.9	54246.	4719.5
#3	2039.0	3512.6	54017.	4698.9

Sample Name: 180-130390-A-2-A Acquired: 11/26/2021 13:29:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.02206**	**.00538**	**.21549**	**.05091**	**-.00002**
Stddev	.00019	.00658	.00015	.00107	.00021	.00010
%RSD	1313.2	29.812	2.7444	.49676	.41092	517.00
#1	-.00007	.02937	.00553	.21667	.05077	.00003
#2	-.00012	.02021	.00536	.21523	.05115	-.00013
#3	.00024	.01661	.00524	.21457	.05082	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.26**	**.00011**	**.00022**	**.00004**	**.00153**	**.05039**
Stddev	.48	.00019	.00033	.00043	.00029	.00403
%RSD	.42341	173.63	147.21	1235.4	18.802	7.9995
#1	112.86	.00009	.00022	-.00000	.00141	.04578
#2	113.79	.00031	.00055	-.00038	.00132	.05214
#3	113.12	-.00007	-.00011	.00049	.00186	.05324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6317**	**.01789**	**28.640**	**.03478**	**.00651**	**25.534**
Stddev	.0169	.00046	.091	.00014	.00031	.134
%RSD	.25485	2.5824	.31785	.40184	4.8333	.52400
#1	6.6402	.01738	28.623	.03493	.00682	25.454
#2	6.6427	.01800	28.738	.03478	.00653	25.689
#3	6.6122	.01828	28.558	.03465	.00619	25.459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-2-A Acquired: 11/26/2021 13:29:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00041**	**.00035**	**.00499**	**7.7427**	**-.00176**
Stddev	.00015	.00184	.00119	.00336	.0416	.00036
%RSD	29.749	449.41	335.84	67.389	.53745	20.453
#1	.00056	-.00152	.00105	.00448	7.7197	-.00184
#2	.00061	.00214	.00103	.00857	7.7176	-.00207
#3	.00033	.00061	-.00102	.00191	7.7907	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.77441**	**.00060**	**-.00078**	**.00094**	**.00498**
Stddev	.00330	.00015	.00069	.00297	.00046
%RSD	.42669	25.250	87.450	316.61	9.1648
#1	.77059	.00052	-.00135	-.00247	.00541
#2	.77624	.00077	-.00002	.00232	.00503
#3	.77638	.00050	-.00098	.00296	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2046.9**	**3507.8**	**54033.**	**4653.3**
Stddev	4.5	3.1	115.	43.5
%RSD	.22211	.08863	.21361	.93487
#1	2050.8	3510.4	54166.	4695.2
#2	2041.9	3504.4	53971.	4608.4
#3	2048.0	3508.7	53963.	4656.3

Sample Name: 180-130390-A-3-A Acquired: 11/26/2021 13:34:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.02673**	**.00578**	**.12330**	**.04889**	**-.00000**
Stddev	.00063	.02104	.00183	.00249	.00033	.00001
%RSD	2704.9	78.693	31.696	2.0190	.67730	650.35
#1	.00021	.04619	.00664	.12102	.04896	.00001
#2	.00046	.00441	.00368	.12293	.04853	-.00001
#3	-.00074	.02960	.00702	.12596	.04919	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.34**	**.00027**	**.00120**	**-.00035**	**.00227**	**.04248**
Stddev	.21	.00018	.00023	.00006	.00042	.00265
%RSD	.16264	65.818	19.578	16.191	18.561	6.2451
#1	126.29	.00026	.00095	-.00039	.00204	.04471
#2	126.16	.00010	.00141	-.00028	.00276	.04318
#3	126.56	.00045	.00123	-.00036	.00202	.03954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2887**	**.01701**	**34.141**	**.16862**	**.00678**	**31.918**
Stddev	.0084	.00038	.032	.00064	.00033	.208
%RSD	.15889	2.2276	.09405	.38139	4.8026	.65051
#1	5.2980	.01741	34.174	.16920	.00703	32.131
#2	5.2815	.01695	34.110	.16874	.00689	31.716
#3	5.2868	.01666	34.138	.16793	.00641	31.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-3-A Acquired: 11/26/2021 13:34:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00166**	**.00003**	**.00405**	**3.9164**	**-.00104**
Stddev	.00013	.00115	.00379	.00287	.0181	.00079
%RSD	4.5978	69.220	13375.	70.736	.46185	76.247
#1	.00292	.00157	.00300	.00241	3.9294	-.00064
#2	.00268	.00056	.00133	.00737	3.8957	-.00053
#3	.00289	.00286	-.00424	.00239	3.9240	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94001**	**.00190**	**-.00075**	**.00270**	**.00559**
Stddev	.00447	.00011	.00092	.00428	.00014
%RSD	.47514	5.7448	122.49	158.67	2.4694
#1	.93761	.00189	-.00171	.00653	.00550
#2	.94517	.00179	.00013	-.00192	.00575
#3	.93726	.00200	-.00068	.00349	.00553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1975.6**	**3406.9**	**53351.**	**4697.6**
Stddev	23.0	45.8	229.	12.9
%RSD	1.1664	1.3450	.42887	.27502
#1	2000.7	3454.6	53103.	4684.5
#2	1970.5	3402.8	53397.	4710.4
#3	1955.5	3363.2	53554.	4697.9

Sample Name: 180-130390-A-4-A Acquired: 11/26/2021 13:38:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.01646**	**.00647**	**.20441**	**.04461**	**.00019**
Stddev	.00049	.02786	.00163	.00035	.00104	.00005
%RSD	937.68	169.23	25.209	.16905	2.3276	25.214
#1	.00037	.03602	.00712	.20416	.04574	.00017
#2	-.00059	.02881	.00462	.20480	.04441	.00025
#3	.00006	-.01544	.00768	.20426	.04369	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.995**	**.00003**	**-.00010**	**.00009**	**.00029**	**.00792**
Stddev	1.452	.00008	.00019	.00052	.00016	.01965
%RSD	2.5469	248.30	183.30	606.67	53.282	248.21
#1	58.547	.00011	.00011	.00009	.00021	-.00247
#2	56.766	.00002	-.00024	.00061	.00020	.03059
#3	55.671	-.00004	-.00018	-.00044	.00047	-.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.261**	**.00950**	**6.4209**	**.02446**	**.00907**	**13.489**
Stddev	.263	.00144	.1736	.00018	.00020	.310
%RSD	2.5604	15.197	2.7029	.74743	2.2311	2.2972
#1	10.554	.01100	6.5908	.02427	.00930	13.823
#2	10.185	.00938	6.4279	.02446	.00900	13.433
#3	10.045	.00812	6.2439	.02464	.00891	13.211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-4-A Acquired: 11/26/2021 13:38:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00232**	**-.00005**	**.00249**	F **10.562**	**-.00167**
Stddev	.00042	.00116	.00057	.00300	.232	.00020
%RSD	581.43	49.921	1083.0	120.54	2.1938	11.771
#1	.00052	.00227	-.00013	-.00072	10.813	-.00186
#2	-.00000	.00119	-.00058	.00523	10.515	-.00147
#3	-.00030	.00351	.00055	.00296	10.357	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41165**	**.00022**	**.00017**	**.00210**	**.00001**
Stddev	.00926	.00007	.00106	.00166	.00008
%RSD	2.2485	33.115	622.28	79.311	672.40
#1	.42183	.00028	-.00074	.00267	.00005
#2	.40937	.00014	-.00008	.00340	-.00008
#3	.40375	.00023	.00133	.00022	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2134.2**	**3561.9**	**55258.**	**4846.9**
Stddev	4.8	7.2	123.	90.6
%RSD	.22462	.20325	.22211	1.8695
#1	2128.9	3553.5	55399.	4748.8
#2	2135.8	3565.6	55198.	4864.6
#3	2138.1	3566.5	55176.	4927.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 13:43:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96606**	**23.481**	**.48076**	**1.9836**	**1.9057**	**1.8998**
Stddev	.00341	.040	.00750	.0313	.0047	.0061
%RSD	.35310	.17021	1.5607	1.5774	.24660	.32029
#1	.96797	23.501	.48856	2.0182	1.9107	1.8982
#2	.96808	23.435	.48011	1.9750	1.9053	1.9065
#3	.96212	23.508	.47360	1.9575	1.9013	1.8947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.488**	**.48617**	**1.9683**	**1.8676**	**1.9061**	**23.431**
Stddev	.073	.00711	.0289	.0079	.0041	.092
%RSD	.15381	1.4627	1.4703	.42440	.21479	.39417
#1	47.506	.49412	2.0002	1.8746	1.9076	23.487
#2	47.551	.48395	1.9612	1.8693	1.9092	23.481
#3	47.408	.48042	1.9436	1.8590	1.9015	23.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.11**	**1.9712**	**46.510**	**1.8492**	**1.8547**	F **95.097**
Stddev	.25	.0033	.241	.0052	.0190	.680
%RSD	.21735	.16586	.51718	.27906	1.0217	.71530
#1	115.09	1.9745	46.740	1.8536	1.8762	94.957
#2	115.37	1.9680	46.529	1.8505	1.8474	95.836
#3	114.87	1.9710	46.260	1.8436	1.8405	94.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 13:43:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9826**	**.47933**	**.47839**	**.48590**	**1.9174**	**1.8095**
Stddev	.0315	.00499	.00424	.00425	.0085	.0243
%RSD	1.5889	1.0400	.88683	.87540	.44551	1.3412
#1	2.0182	.48480	.48313	.49018	1.9261	1.8368
#2	1.9715	.47815	.47710	.48584	1.9090	1.8016
#3	1.9582	.47505	.47495	.48168	1.9172	1.7902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8892**	**1.8808**	**.93155**	**1.8874**	**1.8863**
Stddev	.0150	.0007	.01192	.0080	.0278
%RSD	.79113	.03809	1.2799	.42426	1.4748
#1	1.9021	1.8813	.94388	1.8784	1.9181
#2	1.8926	1.8811	.93070	1.8937	1.8742
#3	1.8728	1.8800	.92008	1.8900	1.8666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.1**	**3486.8**	**53555.**	**4652.0**
Stddev	25.4	45.1	190.	11.5
%RSD	1.3230	1.2945	.35553	.24734
#1	1893.1	3435.8	53335.	4661.4
#2	1927.4	3503.0	53665.	4639.2
#3	1942.7	3521.5	53664.	4655.3

Sample Name: CCB7 Acquired: 11/26/2021 13:47:42 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.03241**	**.00364**	**.00352**	**.00020**	**.00012**
Stddev	.00048	.01002	.00116	.00021	.00028	.00009
%RSD	199.62	30.929	31.870	5.9397	140.19	76.426
#1	.00057	-.04390	.00480	.00374	.00007	.00010
#2	-.00031	-.02551	.00248	.00333	.00001	.00004
#3	.00046	-.02781	.00364	.00350	.00053	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00011**	**-.00003**	**.00030**	**.00033**	**-.00109**
Stddev	.00526	.00006	.00039	.00057	.00064	.00199
%RSD	1077.6	55.156	1467.8	188.83	190.60	182.42
#1	-.00298	-.00006	.00027	.00066	.00105	.00034
#2	-.00209	-.00017	.00012	-.00035	.00014	-.00025
#3	.00654	-.00009	-.00048	.00060	-.00018	-.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2608**	**.00223**	**.00757**	**.00005**	**.01755**	F **5.5788**
Stddev	.0141	.00235	.01696	.00001	.00204	.0191
%RSD	1.1211	105.75	223.96	13.830	11.627	.34281
#1	1.2643	.00298	.02348	.00006	.01975	5.5782
#2	1.2730	.00411	-.01028	.00005	.01718	5.5982
#3	1.2453	-.00041	.00952	.00006	.01572	5.5600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: CCB7 Acquired: 11/26/2021 13:47:42 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.00035**	**.00104**	**.00742**	**.00772**	**-.00112**
Stddev	.00066	.00018	.00065	.00147	.00951	.00070
%RSD	183.78	52.747	62.778	19.790	123.18	62.522
#1	-.00111	.00014	.00072	.00805	.00309	-.00041
#2	-.00007	.00050	.00179	.00574	.00141	-.00181
#3	.00011	.00041	.00061	.00847	.01865	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**.00107**	**-.00016**	**.00399**	**.00046**
Stddev	.00175	.00020	.00097	.00357	.00016
%RSD	22.528	19.049	598.61	89.565	33.585
#1	.00973	.00089	.00094	.00465	.00029
#2	.00705	.00103	-.00090	.00013	.00060
#3	.00646	.00130	-.00052	.00718	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.3**	**3688.8**	**56551.**	**4674.7**
Stddev	3.9	10.9	245.	11.3
%RSD	.17073	.29597	.43335	.24191
#1	2271.6	3686.8	56543.	4686.0
#2	2265.9	3678.9	56800.	4674.8
#3	2273.3	3700.5	56310.	4663.4

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:52:25 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**.15175**	**.01023**	**.20030**	**.19625**	**.00403**
Stddev	.00048	.02855	.00283	.00056	.00013	.00018
%RSD	10.258	18.814	27.672	.28080	.06614	4.3527
#1	.00496	.15755	.01038	.20064	.19614	.00387
#2	.00415	.17695	.01298	.20060	.19639	.00422
#3	.00500	.12074	.00733	.19965	.19623	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8965**	**.00479**	**.04705**	**.00519**	**.02547**	**.09158**
Stddev	.0136	.00013	.00014	.00007	.00042	.00056
%RSD	.27685	2.8065	.30551	1.3377	1.6325	.60759
#1	4.8809	.00491	.04706	.00511	.02586	.09222
#2	4.9048	.00465	.04719	.00524	.02551	.09119
#3	4.9039	.00480	.04691	.00520	.02503	.09134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.5565**	**.04943**	**4.9628**	**.01473**	**.04279**	F **8.1240**
Stddev	.0578	.00095	.0731	.00003	.00031	.0644
%RSD	1.0399	1.9304	1.4735	.18643	.72045	.79281
#1	5.4936	.04887	4.9132	.01476	.04314	8.0525
#2	5.5688	.04890	5.0467	.01471	.04268	8.1423
#3	5.6073	.05054	4.9284	.01473	.04255	8.1774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						5.0000
Range						30.000%

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:52:25 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03782**	**.00960**	**.00968**	**.00975**	F **.72252**	**.09357**
Stddev	.00055	.00097	.00233	.00215	.01195	.00038
%RSD	1.4572	10.073	24.084	22.086	1.6537	.40437
#1	.03768	.00985	.01081	.01015	.73099	.09336
#2	.03843	.00853	.01123	.00743	.72771	.09335
#3	.03735	.01041	.00700	.01168	.70885	.09401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.50000	
Range					30.000%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**.04864**	**.01769**	**.05270**	**.02038**
Stddev	.00692	.00010	.00099	.00430	.00015
%RSD	14.976	.19821	5.6237	8.1596	.72109
#1	.03945	.04854	.01849	.05686	.02023
#2	.04595	.04864	.01801	.04827	.02040
#3	.05328	.04873	.01658	.05298	.02053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2224.7**	**3655.1**	**55792.**	**4648.0**
Stddev	3.5	4.0	178.	38.1
%RSD	.15543	.11022	.31987	.81914
#1	2227.5	3652.1	55606.	4689.5
#2	2220.8	3653.4	55961.	4639.8
#3	2225.7	3659.7	55811.	4614.7

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:57:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.20346**	**.01210**	**.19931**	**.19643**	**.00393**
Stddev	.00045	.01300	.00134	.00109	.00049	.00002
%RSD	8.9027	6.3901	11.076	.54719	.24788	.50718
#1	.00458	.19668	.01363	.19931	.19699	.00395
#2	.00547	.19525	.01119	.20039	.19618	.00391
#3	.00499	.21845	.01147	.19821	.19612	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8931**	**.00484**	**.04666**	**.00474**	**.02557**	**.08629**
Stddev	.0296	.00011	.00013	.00015	.00067	.00300
%RSD	.60578	2.3503	.27958	3.1952	2.6015	3.4753
#1	4.9240	.00496	.04652	.00465	.02485	.08352
#2	4.8905	.00483	.04670	.00465	.02615	.08947
#3	4.8649	.00474	.04677	.00491	.02572	.08587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4498**	**.05016**	**4.9699**	**.01471**	**.04110**	F **7.6393**
Stddev	.0111	.00158	.0067	.00001	.00037	.0240
%RSD	.20422	3.1591	.13514	.08605	.90020	.31405
#1	5.4471	.04992	4.9733	.01471	.04124	7.6670
#2	5.4621	.04870	4.9742	.01473	.04138	7.6258
#3	5.4404	.05185	4.9621	.01470	.04068	7.6251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						5.0000
Range						30.000%

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:57:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03808**	**.00979**	**.00959**	**.01015**	F **.67862**	**.09397**
Stddev	.00039	.00106	.00222	.00155	.00714	.00027
%RSD	1.0251	10.844	23.158	15.325	1.0519	.28788
#1	.03763	.01028	.00810	.01116	.67396	.09393
#2	.03833	.01051	.01215	.01092	.67507	.09426
#3	.03827	.00857	.00853	.00836	.68684	.09372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.50000	
Range					30.000%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04426**	**.04871**	**.01838**	**.05279**	**.02031**
Stddev	.00460	.00004	.00090	.00229	.00012
%RSD	10.385	.09137	4.9220	4.3445	.57082
#1	.04798	.04867	.01738	.05450	.02044
#2	.03912	.04875	.01863	.05019	.02023
#3	.04569	.04870	.01913	.05369	.02025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2225.5**	**3653.6**	**55623.**	**4635.0**
Stddev	2.0	3.5	265.	15.6
%RSD	.09208	.09490	.47728	.33719
#1	2223.7	3649.7	55318.	4617.9
#2	2227.7	3654.8	55752.	4638.8
#3	2225.1	3656.3	55800.	4648.4

Sample Name: MB 180-379945/1-A Acquired: 11/26/2021 14:01:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.02283**	**.00174**	**.00190**	**-.00004**	**-.00004**
Stddev	.00014	.01144	.00133	.00040	.00016	.00003
%RSD	41.498	50.085	76.516	21.209	373.80	79.612
#1	-.00025	.03545	.00321	.00233	.00003	-.00004
#2	-.00027	.01990	.00061	.00153	-.00022	-.00007
#3	-.00051	.01315	.00141	.00185	.00007	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00005**	**-.00006**	**.00011**	**.00072**	**-.00277**
Stddev	.00893	.00008	.00032	.00029	.00045	.00384
%RSD	370.14	160.10	511.93	267.60	62.817	138.76
#1	.01269	.00010	-.00013	-.00015	.00020	-.00393
#2	-.00197	.00009	-.00034	.00042	.00102	.00152
#3	-.00348	-.00004	.00028	.00006	.00095	-.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82801**	**.00088**	**.02468**	**.00001**	**.00442**	**3.5654**
Stddev	.02924	.00086	.03100	.00001	.00013	.0174
%RSD	3.5309	98.157	125.63	137.02	3.0160	.48703
#1	.80036	.00159	.06007	.00002	.00438	3.5847
#2	.82506	-.00008	.01157	-.00001	.00456	3.5603
#3	.85861	.00114	.00238	.00002	.00431	3.5511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379945/1-A Acquired: 11/26/2021 14:01:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00006**	**-.00043**	**.00228**	**.00703**	**-.00112**
Stddev	.00057	.00150	.00077	.00254	.01478	.00056
%RSD	196.55	2559.7	180.26	111.67	210.27	50.202
#1	-.00050	-.00109	-.00047	-.00042	.02296	-.00059
#2	.00035	-.00049	-.00117	.00463	-.00622	-.00106
#3	-.00072	.00175	.00036	.00262	.00434	-.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00464**	**.00020**	**-.00188**	**.00090**	**.00199**
Stddev	.00802	.00003	.00017	.00578	.00005
%RSD	172.77	14.414	9.2588	645.07	2.4410
#1	-.00271	.00018	-.00194	-.00471	.00201
#2	.00344	.00018	-.00168	.00682	.00194
#3	.01320	.00023	-.00201	.00058	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2243.0**	**3658.0**	**56747.**	**4720.1**
Stddev	34.2	53.3	207.	6.5
%RSD	1.5262	1.4573	.36415	.13790
#1	2203.5	3596.4	56945.	4725.2
#2	2262.3	3689.1	56533.	4722.4
#3	2263.4	3688.4	56764.	4712.8

Sample Name: LCS 180-379945/2-A Acquired: 11/26/2021 14:06:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24929**	**4.9553**	**1.0284**	**1.3583**	**.98086**	**.49066**
Stddev	.00041	.0152	.0110	.0182	.00134	.00186
%RSD	.16305	.30703	1.0698	1.3432	.13624	.37909
#1	.24908	4.9697	1.0191	1.3473	.98235	.49205
#2	.24903	4.9394	1.0256	1.3482	.98045	.49139
#3	.24976	4.9569	1.0406	1.3794	.97977	.48855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.888**	**.49826**	**.49645**	**.48437**	**.49935**	**4.8782**
Stddev	.040	.00703	.00736	.00233	.00072	.0334
%RSD	.16064	1.4099	1.4822	.48140	.14407	.68395
#1	24.903	.49448	.49128	.48683	.49869	4.9138
#2	24.919	.49393	.49319	.48219	.49925	4.8732
#3	24.843	.50636	.50487	.48410	.50012	4.8477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.510**	**.50852**	**24.116**	**.48061**	**.47556**	**22.725**
Stddev	.163	.00133	.124	.00117	.00898	.126
%RSD	.66686	.26143	.51314	.24301	1.8888	.55356
#1	24.636	.50941	24.058	.48180	.46967	22.778
#2	24.569	.50914	24.258	.47946	.47110	22.815
#3	24.325	.50699	24.033	.48057	.48590	22.581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379945/2-A Acquired: 11/26/2021 14:06:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49341**	**.48000**	**.23970**	**1.0267**	**1.0589**	**.94817**
Stddev	.00806	.00763	.00372	.0183	.0216	.01469
%RSD	1.6338	1.5895	1.5512	1.7838	2.0426	1.5495
#1	.48871	.47344	.23757	1.0109	1.0633	.94080
#2	.48881	.47818	.23753	1.0225	1.0780	.93863
#3	.50272	.48837	.24399	1.0468	1.0354	.96509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47941**	**.49213**	**.98008**	**.48162**	**.25554**
Stddev	.00631	.00087	.01139	.00627	.00303
%RSD	1.3156	.17650	1.1617	1.3023	1.1866
#1	.47995	.49267	.97430	.48886	.25365
#2	.47284	.49113	.97274	.47827	.25392
#3	.48542	.49259	.99320	.47774	.25904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.0**	**3565.6**	**55378.**	**4812.8**
Stddev	26.3	45.7	195.	30.7
%RSD	1.2706	1.2822	.35278	.63761
#1	2088.4	3592.7	55162.	4800.9
#2	2081.7	3591.2	55543.	4789.9
#3	2039.9	3512.8	55428.	4847.7

Sample Name: LB 180-379744/23-C Acquired: 11/26/2021 14:10:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00582**	**.00386**	**.00252**	**.00030**	**.00010**
Stddev	.00029	.03000	.00099	.00026	.00020	.00010
%RSD	214.93	515.84	25.638	10.225	65.696	101.24
#1	-.00045	-.02703	.00327	.00280	.00046	.00021
#2	-.00009	.03178	.00330	.00230	.00008	.00009
#3	.00013	.01271	.00500	.00244	.00036	.00001
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01518**	**-.00009**	**.00013**	**.00000**	**.00084**	**-.00176**
Stddev	.00577	.00014	.00013	.00041	.00046	.00278
%RSD	38.004	152.40	96.928	8823.4	54.959	157.82
#1	.02171	.00006	-.00001	-.00047	.00031	-.00472
#2	.01303	-.00014	.00025	.00028	.00114	.00078
#3	.01079	-.00019	.00016	.00020	.00108	-.00133
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78309**	**.00166**	**.02922**	**.00007**	**.00738**	**3.3249**
Stddev	.00800	.00097	.03800	.00004	.00100	.0451
%RSD	1.0214	58.403	130.06	49.779	13.504	1.3576
#1	.78362	.00218	.07159	.00005	.00831	3.3770
#2	.79081	.00054	.01791	.00005	.00751	3.2985
#3	.77484	.00226	-.00184	.00011	.00633	3.2992
Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Sample Name: LB 180-379744/23-C Acquired: 11/26/2021 14:10:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00109**	**-.00039**	**.00878**	**-.00949**	**-.00054**
Stddev	.00042	.00182	.00261	.00141	.00500	.00031
%RSD	303.96	167.17	662.16	16.081	52.758	57.024
#1	.00032	.00020	.00237	.00825	-.01271	-.00021
#2	-.00051	.00319	-.00073	.01037	-.00372	-.00082
#3	-.00022	-.00012	-.00282	.00770	-.01203	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00595**	**.00055**	**-.00038**	**.00425**	**.00200**
Stddev	.00063	.00009	.00053	.00484	.00010
%RSD	10.565	15.652	139.25	113.86	4.9050
#1	-.00582	.00064	.00023	.00894	.00196
#2	-.00540	.00055	-.00061	.00452	.00211
#3	-.00664	.00047	-.00076	-.00072	.00193
Check ?	None	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2269.7**	**3692.2**	**57139.**	**4789.1**
Stddev	14.8	26.7	173.	19.5
%RSD	.65037	.72394	.30190	.40820
#1	2269.2	3688.3	57182.	4781.3
#2	2255.2	3667.6	56949.	4811.4
#3	2284.7	3720.7	57286.	4774.7

Sample Name: 180-130267-A-1-K Acquired: 11/26/2021 14:15:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00842**	**.00605**	**.05954**	**.45557**	**.00001**
Stddev	.00031	.01734	.00173	.00043	.00021	.00006
%RSD	73.757	206.00	28.539	.72311	.04645	775.77
#1	-.00067	.02810	.00490	.05990	.45580	.00004
#2	-.00054	-.00460	.00803	.05966	.45538	.00005
#3	-.00007	.00175	.00521	.05906	.45555	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**177.37**	**.00040**	**.00243**	**-.00012**	**.00188**	**-.00651**
Stddev	.65	.00023	.00033	.00054	.00023	.00434
%RSD	.36925	57.381	13.596	436.74	12.328	66.627
#1	176.96	.00046	.00275	.00043	.00161	-.00173
#2	177.02	.00015	.00246	-.00016	.00205	-.01021
#3	178.12	.00060	.00209	-.00065	.00198	-.00760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99872**	**.00398**	**2.0060**	**.18181**	**.00388**	**4.5398**
Stddev	.02197	.00054	.0202	.00042	.00023	.0519
%RSD	2.2003	13.453	1.0054	.23208	5.9357	1.1440
#1	.98293	.00336	2.0038	.18136	.00395	4.5488
#2	.98942	.00427	1.9870	.18220	.00407	4.5866
#3	1.0238	.00431	2.0272	.18188	.00362	4.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K Acquired: 11/26/2021 14:15:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**-.00026**	**-.00013**	**.00634**	**.13505**	**-.00066**
Stddev	.00017	.00271	.00174	.00278	.02108	.00079
%RSD	8.3053	1035.2	1336.2	43.845	15.609	120.71
#1	.00197	.00197	-.00063	.00346	.15706	-.00094
#2	.00223	.00052	.00180	.00901	.13305	-.00127
#3	.00191	-.00328	-.00156	.00654	.11504	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21307**	**.00009**	**-.00143**	**-.00494**	**.12204**
Stddev	.00616	.00005	.00132	.00365	.00017
%RSD	2.8896	52.800	92.330	73.849	.13835
#1	.21359	.00015	-.00074	-.00165	.12207
#2	.20666	.00006	-.00295	-.00431	.12220
#3	.21894	.00006	-.00059	-.00887	.12186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2049.5**	**3495.0**	**53908.**	**4651.8**
Stddev	1.7	3.1	184.	15.4
%RSD	.08386	.08994	.34191	.33184
#1	2048.3	3493.1	53925.	4669.6
#2	2051.4	3498.6	53715.	4642.6
#3	2048.7	3493.3	54083.	4643.3

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/26/2021 14:19:57 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01676**	**.00256**	**.01246**	**.08971**	**.00008**
Stddev	.00026	.02440	.00221	.00024	.00025	.00010
%RSD	969.93	145.56	86.235	1.9647	.27946	127.35
#1	.00012	.00190	.00449	.01233	.08999	.00016
#2	-.00033	.04492	.00304	.01231	.08964	.00009
#3	.00013	.00346	.00015	.01274	.08951	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.658**	**.00012**	**.00054**	**-.00006**	**.00066**	**-.00204**
Stddev	.087	.00006	.00015	.00021	.00064	.00281
%RSD	.24487	52.578	27.780	331.32	97.985	137.99
#1	35.747	.00015	.00041	-.00031	.00122	-.00260
#2	35.572	.00005	.00071	.00008	-.00005	-.00452
#3	35.656	.00015	.00051	.00003	.00080	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62014**	**.00089**	**.41397**	**.03652**	**.00251**	**2.7428**
Stddev	.01432	.00102	.01708	.00016	.00027	.0375
%RSD	2.3088	113.51	4.1270	.44945	10.887	1.3676
#1	.63615	-.00028	.40892	.03652	.00242	2.7861
#2	.61572	.00141	.39998	.03668	.00282	2.7193
#3	.60856	.00155	.43301	.03635	.00229	2.7231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/26/2021 14:19:57 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00049**	**-.00131**	**-.00026**	**.03337**	**-.00119**
Stddev	.00056	.00151	.00151	.00109	.01487	.00014
%RSD	325.47	310.61	115.84	412.95	44.557	11.662
#1	.00060	-.00060	-.00016	-.00150	.04343	-.00115
#2	-.00046	.00221	-.00302	.00056	.04038	-.00135
#3	.00037	-.00015	-.00074	.00015	.01629	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04066**	**.00033**	**-.00043**	**.00345**	**.02666**
Stddev	.00684	.00007	.00149	.00431	.00006
%RSD	16.810	21.690	346.77	125.02	.23511
#1	.04339	.00042	-.00214	.00454	.02668
#2	.04571	.00028	.00043	.00710	.02659
#3	.03288	.00030	.00043	-.00130	.02671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2219.5**	**3670.1**	**56232.**	**4717.3**
Stddev	2.1	4.2	225.	37.0
%RSD	.09645	.11312	.39966	.78448
#1	2217.3	3674.8	55983.	4687.5
#2	2219.6	3666.9	56294.	4758.7
#3	2221.6	3668.5	56420.	4705.7

Sample Name: 180-130267-A-1-L MS Acquired: 11/26/2021 14:24:35 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09531**	**.01119**	**.49568**	**.03011**	**4.9572**	**-.00003**
Stddev	.00056	.01667	.00221	.00028	.0603	.00015
%RSD	.58277	148.92	.44589	.92482	1.2169	607.43
#1	.09536	.01769	.49823	.03020	5.0240	-.00009
#2	.09584	-.00775	.49460	.02979	4.9410	.00015
#3	.09473	.02363	.49422	.03033	4.9067	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**176.04**	**.09726**	**.00174**	**.46619**	**.00206**	**-.00337**
Stddev	1.89	.00080	.00021	.00242	.00036	.00167
%RSD	1.0726	.82688	11.795	.51894	17.348	49.453
#1	178.20	.09819	.00193	.46871	.00189	-.00164
#2	175.22	.09684	.00152	.46389	.00182	-.00351
#3	174.70	.09675	.00178	.46597	.00247	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87160**	**.00383**	**2.0028**	**.17893**	**.00217**	**3.4745**
Stddev	.00749	.00067	.0569	.00099	.00025	.0525
%RSD	.85884	17.427	2.8421	.55443	11.361	1.5114
#1	.86775	.00307	2.0456	.18003	.00245	3.5294
#2	.86682	.00430	2.0246	.17811	.00198	3.4692
#3	.88022	.00412	1.9382	.17864	.00209	3.4248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-L MS Acquired: 11/26/2021 14:24:35 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.45691**	**.00007**	**.10235**	**.12458**	**-.00159**
Stddev	.00051	.00330	.00123	.00286	.00965	.00081
%RSD	18.607	.72285	1665.7	2.7935	7.7432	50.731
#1	.00244	.45973	.00096	.10502	.13466	-.00167
#2	.00249	.45773	.00059	.10269	.12366	-.00236
#3	.00335	.45327	-.00133	.09934	.11543	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21116**	**-.00002**	**-.00127**	**.00521**	**.06041**
Stddev	.00745	.00016	.00117	.00329	.00072
%RSD	3.5305	923.23	92.800	63.140	1.1957
#1	.20282	.00010	-.00159	.00898	.06124
#2	.21717	.00004	.00004	.00381	.06009
#3	.21348	-.00019	-.00224	.00286	.05990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2037.2**	**3469.2**	**53764.**	**4612.6**
Stddev	13.9	27.7	281.	51.0
%RSD	.68250	.79718	.52194	1.1048
#1	2021.6	3437.9	53443.	4555.6
#2	2042.0	3479.1	53961.	4653.6
#3	2048.1	3490.5	53888.	4628.6

Sample Name: 180-130267-A-1-M MSD Acquired: 11/26/2021 14:29:09 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09710**	**.00653**	**.52776**	**.03091**	**4.9476**	**-.00002**
Stddev	.00114	.01496	.02258	.00144	.0061	.00009
%RSD	1.1758	228.90	4.2792	4.6463	.12295	482.43
#1	.09777	-.01067	.55384	.03253	4.9406	.00007
#2	.09578	.01387	.51498	.03039	4.9507	-.00002
#3	.09774	.01641	.51446	.02981	4.9515	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.46**	**.10254**	**.00180**	**.47232**	**.00202**	**-.00349**
Stddev	.82	.00466	.00030	.00217	.00016	.00210
%RSD	.47779	4.5477	16.461	.45988	7.9941	60.197
#1	170.55	.10789	.00209	.47375	.00195	-.00109
#2	172.15	.10045	.00150	.46982	.00220	-.00499
#3	171.67	.09929	.00181	.47339	.00191	-.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79198**	**.00200**	**1.9192**	**.17576**	**.00185**	**3.1397**
Stddev	.05021	.00063	.0357	.00040	.00025	.0296
%RSD	6.3398	31.355	1.8624	.22872	13.453	.94159
#1	.74123	.00129	1.8780	.17566	.00199	3.1058
#2	.84163	.00221	1.9371	.17542	.00200	3.1600
#3	.79307	.00249	1.9424	.17621	.00156	3.1532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-M MSD Acquired: 11/26/2021 14:29:09 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	**.48431**	**.00025**	**.10859**	**.11998**	**-.00099**
Stddev	.00045	.02211	.00197	.00506	.00763	.00011
%RSD	15.480	4.5653	773.32	4.6610	6.3632	10.666
#1	.00324	.50970	-.00187	.11438	.12843	-.00097
#2	.00307	.47390	.00201	.10499	.11359	-.00089
#3	.00239	.46932	.00063	.10640	.11791	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21078**	**.00004**	**.00058**	**.00088**	**.06190**
Stddev	.00404	.00011	.00032	.00266	.00266
%RSD	1.9160	260.78	54.566	303.56	4.2975
#1	.21321	.00006	.00092	.00215	.06495
#2	.21300	-.00007	.00054	-.00218	.06074
#3	.20611	.00013	.00028	.00265	.06003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2020.9**	**3446.1**	**54323.**	**4683.8**
Stddev	74.5	122.8	173.	41.0
%RSD	3.6842	3.5645	.31931	.87471
#1	1935.2	3304.6	54477.	4731.0
#2	2058.3	3508.4	54358.	4657.7
#3	2069.2	3525.3	54135.	4662.5

Sample Name: 180-130267-A-1-K PDS Acquired: 11/26/2021 14:33:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26351**	**5.1575**	F **1.0980**	**1.4568**	**1.4789**	**.51505**
Stddev	.00109	.1266	.0023	.0068	.0284	.00991
%RSD	.41401	2.4555	.20708	.46526	1.9232	1.9241
#1	.26353	5.0208	1.0954	1.4491	1.4530	.50611
#2	.26241	5.2709	1.0997	1.4592	1.5093	.52570
#3	.26459	5.1808	1.0988	1.4619	1.4744	.51332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**197.07**	**.52503**	**.52292**	**.50408**	**.53391**	**4.9406**
Stddev	2.99	.00035	.00093	.00137	.00201	.0977
%RSD	1.5176	.06718	.17690	.27276	.37625	1.9772
#1	194.00	.52464	.52223	.50567	.53412	4.8524
#2	199.98	.52510	.52256	.50328	.53180	5.0456
#3	197.22	.52533	.52397	.50330	.53580	4.9238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.760**	**.55443**	**26.444**	**.67066**	**.49557**	**25.460**
Stddev	.565	.00984	.503	.00117	.00261	.567
%RSD	2.1933	1.7752	1.9013	.17430	.52668	2.2269
#1	25.324	.54385	26.041	.67175	.49310	25.056
#2	26.399	.56332	27.008	.66943	.49532	26.108
#3	25.559	.55610	26.284	.67081	.49830	25.215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K PDS Acquired: 11/26/2021 14:33:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51766**	**.50571**	**.25039**	F **1.1042**	**1.2657**	**.97988**
Stddev	.00189	.00122	.00224	.0065	.0191	.00110
%RSD	.36567	.24153	.89603	.59142	1.5107	.11202
#1	.51583	.50692	.24874	1.0979	1.2696	.97865
#2	.51755	.50448	.24948	1.1038	1.2825	.98075
#3	.51961	.50573	.25294	1.1109	1.2449	.98023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.0000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.69900**	**.51858**	**1.0118**	**.51017**	**.36604**
Stddev	.02637	.00098	.0041	.00955	.00048
%RSD	3.7719	.18921	.40203	1.8720	.13050
#1	.68199	.51843	1.0071	.49918	.36588
#2	.72937	.51767	1.0140	.51649	.36566
#3	.68563	.51962	1.0144	.51484	.36658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1961.2**	**3459.4**	**53626.**	**4676.2**
Stddev	3.3	4.6	194.	53.5
%RSD	.16814	.13278	.36192	1.1436
#1	1964.6	3464.7	53429.	4726.2
#2	1960.9	3457.4	53817.	4619.8
#3	1958.1	3456.2	53633.	4682.7

Sample Name: CCV 4546440 Acquired: 11/26/2021 14:38:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98508**	**24.084**	**.49337**	**2.0012**	**1.9614**	**1.9553**
Stddev	.00324	.184	.00062	.0069	.0176	.0143
%RSD	.32875	.76208	.12509	.34597	.89824	.73104
#1	.98685	23.912	.49348	1.9987	1.9514	1.9483
#2	.98135	24.277	.49392	1.9959	1.9817	1.9717
#3	.98706	24.063	.49270	2.0091	1.9510	1.9458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.722**	**.49151**	**1.9892**	**1.9130**	**1.9489**	**24.011**
Stddev	.517	.00126	.0008	.0116	.0100	.181
%RSD	1.0603	.25665	.03761	.60607	.51092	.75476
#1	48.371	.49026	1.9887	1.9251	1.9598	23.896
#2	49.315	.49149	1.9889	1.9021	1.9402	24.220
#3	48.481	.49278	1.9901	1.9117	1.9466	23.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.03**	**2.0252**	**47.574**	**1.8902**	**1.8932**	F **108.78**
Stddev	.61	.0191	.523	.0059	.0056	.53
%RSD	.50881	.94308	1.0987	.31137	.29862	.48576
#1	118.90	2.0107	47.369	1.8961	1.8880	108.86
#2	119.69	2.0468	48.168	1.8843	1.8923	109.26
#3	118.50	2.0180	47.184	1.8900	1.8992	108.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 14:38:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9991**	**.48368**	**.48434**	**.50636**	**1.9442**	**1.8402**
Stddev	.0021	.00213	.00093	.00420	.0176	.0038
%RSD	.10602	.44113	.19230	.83007	.90514	.20408
#1	1.9999	.48196	.48541	.50419	1.9256	1.8425
#2	1.9966	.48606	.48380	.50369	1.9463	1.8422
#3	2.0006	.48301	.48380	.51121	1.9606	1.8358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9460**	**1.9249**	**.94424**	**1.9489**	**1.9127**
Stddev	.0210	.0035	.00205	.0281	.0021
%RSD	1.0784	.18041	.21726	1.4421	.10850
#1	1.9320	1.9257	.94246	1.9245	1.9145
#2	1.9701	1.9211	.94379	1.9796	1.9132
#3	1.9358	1.9279	.94649	1.9424	1.9104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.4**	**3477.3**	**52965.**	**4586.1**
Stddev	1.2	1.1	238.	25.2
%RSD	.06406	.03278	.44917	.55023
#1	1920.7	3476.0	52706.	4610.0
#2	1922.8	3477.8	53175.	4559.7
#3	1920.7	3478.1	53013.	4588.5

Sample Name: CCB8 Acquired: 11/26/2021 14:42:26 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.02585**	**.00412**	**.00301**	**.00015**	**.00017**
Stddev	.00015	.01572	.00221	.00026	.00024	.00011
%RSD	74.860	60.800	53.748	8.7654	160.49	64.103
#1	.00036	-.00811	.00326	.00276	.00042	.00029
#2	.00009	-.03802	.00247	.00329	-.00005	.00009
#3	.00013	-.03143	.00663	.00297	.00008	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00716**	**.00003**	**.00004**	**.00027**	**.00142**	**-.00131**
Stddev	.00467	.00008	.00002	.00012	.00007	.00177
%RSD	65.301	228.91	50.901	43.812	4.6371	134.59
#1	-.00777	-.00002	.00002	.00028	.00138	-.00321
#2	-.01149	.00012	.00005	.00015	.00150	-.00102
#3	-.00221	-.00000	.00006	.00039	.00139	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44626**	**-.00008**	**.00178**	**.00003**	**.01557**	**1.7764**
Stddev	.01230	.00110	.02209	.00003	.00202	.0040
%RSD	2.7560	1339.1	1241.9	93.545	12.976	.22360
#1	.44511	.00113	-.01713	.00005	.01765	1.7730
#2	.45910	-.00101	-.00360	-.00000	.01545	1.7754
#3	.43458	-.00036	.02606	.00003	.01361	1.7807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB8 Acquired: 11/26/2021 14:42:26 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00040**	**-.00191**	**.00874**	**-.00451**	**-.00084**
Stddev	.00059	.00045	.00071	.00099	.00661	.00045
%RSD	320.28	113.47	37.067	11.346	146.44	52.826
#1	-.00054	.00091	-.00226	.00983	-.00488	-.00042
#2	-.00050	.00012	-.00110	.00850	.00227	-.00131
#3	.00049	.00015	-.00238	.00789	-.01093	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00093**	**-.00012**	**.00285**	**.00058**
Stddev	.00740	.00022	.00082	.00429	.00008
%RSD	888.63	23.595	675.11	150.36	13.828
#1	.00634	.00110	-.00053	.00495	.00055
#2	-.00039	.00099	-.00066	.00568	.00052
#3	-.00844	.00068	.00082	-.00208	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2280.1**	**3711.7**	**56865.**	**4706.8**
Stddev	6.3	13.2	162.	31.9
%RSD	.27773	.35568	.28541	.67820
#1	2286.0	3725.3	57049.	4728.9
#2	2273.4	3699.0	56807.	4721.3
#3	2280.8	3710.7	56741.	4670.2

Sample Name: 180-130267-A-2-C Acquired: 11/26/2021 14:47:08 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.00457**	**.00430**	**.05417**	**.43524**	**-.00004**
Stddev	.00043	.01919	.00194	.00017	.00109	.00011
%RSD	23728.	420.04	45.152	.30517	.25059	285.28
#1	.00023	-.02650	.00637	.05435	.43443	-.00013
#2	.00026	.00915	.00252	.05410	.43648	.00008
#3	-.00050	.00365	.00400	.05404	.43479	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**178.34**	**.00034**	**.00254**	**-.00014**	**.00130**	**-.00399**
Stddev	.69	.00003	.00014	.00036	.00052	.00170
%RSD	.38599	8.6832	5.4043	250.32	39.570	42.665
#1	178.37	.00035	.00245	-.00054	.00113	-.00564
#2	179.01	.00036	.00246	-.00006	.00090	-.00410
#3	177.63	.00031	.00269	.00016	.00188	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59313**	**.00078**	**1.9659**	**.15363**	**.00604**	**3.0027**
Stddev	.01175	.00052	.0287	.00075	.00041	.0324
%RSD	1.9815	65.907	1.4612	.48767	6.7371	1.0777
#1	.60573	.00052	1.9432	.15377	.00650	3.0300
#2	.59120	.00138	1.9562	.15430	.00592	2.9670
#3	.58246	.00046	1.9982	.15282	.00572	3.0112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-2-C Acquired: 11/26/2021 14:47:08 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00116**	**-.00141**	**.00353**	**.11326**	**-.00143**
Stddev	.00072	.00078	.00275	.00392	.01434	.00023
%RSD	28.462	67.455	194.71	111.33	12.664	16.174
#1	.00176	.00028	-.00419	.00551	.12923	-.00126
#2	.00318	.00178	-.00137	.00606	.10148	-.00133
#3	.00261	.00141	.00132	-.00100	.10907	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21952**	**.00004**	**.00052**	**.00329**	**.11179**
Stddev	.00663	.00023	.00023	.00366	.00050
%RSD	3.0204	508.25	44.449	111.12	.44657
#1	.22333	.00010	.00034	.00581	.11212
#2	.22337	.00024	.00044	.00496	.11203
#3	.21187	-.00021	.00078	-.00090	.11121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2074.1**	**3531.2**	**54394.**	**4664.9**
Stddev	2.9	2.9	153.	23.1
%RSD	.14038	.08149	.28194	.49527
#1	2075.2	3529.7	54217.	4640.8
#2	2070.8	3529.4	54484.	4667.2
#3	2076.3	3534.6	54482.	4686.8

Sample Name: 180-130267-A-3-C Acquired: 11/26/2021 14:51:46 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.02655**	**.00277**	**.06020**	**.28092**	**-.00001**
Stddev	.00019	.03032	.00153	.00020	.00001	.00008
%RSD	118.85	114.20	55.425	.32945	.00442	1234.0
#1	.00037	.01533	.00422	.06041	.28093	.00004
#2	.00009	.00344	.00117	.06017	.28092	-.00009
#3	.00001	.06087	.00292	.06002	.28090	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**170.04**	**.00066**	**.00135**	**-.00001**	**.00154**	**.01693**
Stddev	.40	.00004	.00020	.00014	.00039	.00202
%RSD	.23535	5.9205	14.561	1621.3	25.468	11.947
#1	169.58	.00065	.00115	.00006	.00150	.01461
#2	170.27	.00070	.00137	-.00017	.00116	.01832
#3	170.27	.00062	.00154	.00008	.00194	.01786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57117**	**.00025**	**1.9716**	**.24217**	**.00361**	**2.9538**
Stddev	.02224	.00102	.0111	.00040	.00017	.0155
%RSD	3.8935	408.78	.56105	.16342	4.8339	.52410
#1	.54593	.00129	1.9620	.24202	.00377	2.9615
#2	.58788	-.00076	1.9837	.24186	.00363	2.9640
#3	.57970	.00022	1.9691	.24261	.00343	2.9360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-3-C Acquired: 11/26/2021 14:51:46 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00077**	**.00046**	**.00364**	**.29737**	**-.00128**
Stddev	.00047	.00221	.00173	.00302	.01043	.00022
%RSD	19.693	286.01	378.21	83.034	3.5088	16.899
#1	.00204	.00068	.00173	.00297	.29058	-.00151
#2	.00222	-.00139	-.00151	.00693	.29214	-.00108
#3	.00294	.00303	.00116	.00101	.30938	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20541**	**.00009**	**-.00116**	**.00315**	**.11334**
Stddev	.01235	.00011	.00070	.00228	.00027
%RSD	6.0137	126.35	60.564	72.573	.24057
#1	.20702	-.00004	-.00192	.00055	.11327
#2	.21688	.00013	-.00053	.00486	.11364
#3	.19233	.00017	-.00103	.00402	.11310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2086.6**	**3535.0**	**54438.**	**4650.5**
Stddev	3.3	10.7	81.	12.1
%RSD	.15649	.30257	.14953	.25961
#1	2083.3	3532.3	54423.	4664.2
#2	2086.6	3525.8	54525.	4641.3
#3	2089.9	3546.7	54364.	4646.0

Sample Name: 180-130267-A-4-C Acquired: 11/26/2021 14:56:25 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00959**	**.00256**	**.06292**	**.44133**	**-.00001**
Stddev	.00022	.01556	.00136	.00099	.00060	.00003
%RSD	77.090	162.37	53.214	1.5705	.13674	281.83
#1	-.00053	-.00564	.00377	.06406	.44088	.00001
#2	-.00010	.02547	.00109	.06245	.44110	-.00005
#3	-.00023	.00893	.00282	.06226	.44201	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**172.79**	**.00046**	**.00146**	**-.00017**	**.00176**	**-.00365**
Stddev	.32	.00018	.00008	.00077	.00045	.00218
%RSD	.18475	39.323	5.2829	468.31	25.581	59.842
#1	172.51	.00059	.00146	.00022	.00192	-.00364
#2	172.72	.00054	.00153	-.00106	.00125	-.00584
#3	173.14	.00026	.00138	.00034	.00211	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48871**	**.00181**	**1.9074**	**.17649**	**.00259**	**2.6431**
Stddev	.03840	.00140	.0902	.00080	.00012	.0080
%RSD	7.8570	77.184	4.7298	.45058	4.7753	.30355
#1	.49997	.00022	1.8361	.17569	.00273	2.6439
#2	.44594	.00286	1.8772	.17650	.00255	2.6347
#3	.52021	.00234	2.0088	.17728	.00250	2.6507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-4-C Acquired: 11/26/2021 14:56:25 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00134**	**.00190**	**.00371**	**.14791**	**-.00096**
Stddev	.00034	.00147	.00132	.00132	.00425	.00040
%RSD	20.823	109.61	69.617	35.624	2.8738	42.128
#1	.00162	.00232	.00095	.00232	.14365	-.00124
#2	.00200	.00206	.00341	.00495	.15215	-.00050
#3	.00132	-.00035	.00134	.00386	.14793	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21050**	**.00014**	**.00063**	**.00133**	**.12524**
Stddev	.00529	.00007	.00190	.00351	.00033
%RSD	2.5132	48.286	299.73	263.77	.26706
#1	.21641	.00019	.00055	.00537	.12559
#2	.20620	.00006	.00258	-.00095	.12520
#3	.20890	.00015	-.00122	-.00043	.12493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2075.5**	**3544.1**	**54377.**	**4658.2**
Stddev	1.6	4.0	337.	42.8
%RSD	.07501	.11377	.61900	.91899
#1	2074.7	3539.7	54727.	4707.3
#2	2077.3	3547.6	54350.	4638.9
#3	2074.5	3545.1	54055.	4628.5

Sample Name: 180-130267-A-5-C Acquired: 11/26/2021 15:01:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.02959**	**.00430**	**.07269**	**.47374**	**.00007**
Stddev	.00011	.00649	.00186	.00029	.00127	.00012
%RSD	618.86	21.917	43.351	.39538	.26731	179.32
#1	-.00008	-.02852	.00435	.07252	.47491	.00014
#2	-.00009	-.03655	.00613	.07252	.47239	-.00007
#3	.00011	-.02371	.00241	.07302	.47393	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.51**	**.00037**	**.00069**	**-.00007**	**.00140**	**-.00666**
Stddev	.29	.00008	.00022	.00039	.00022	.00427
%RSD	.17114	21.142	31.203	552.54	16.098	64.200
#1	171.20	.00028	.00094	.00010	.00165	-.01157
#2	171.57	.00042	.00061	.00021	.00122	-.00382
#3	171.78	.00041	.00053	-.00052	.00132	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48917**	**.00067**	**1.8488**	**.19218**	**.00245**	**2.6845**
Stddev	.04514	.00135	.0137	.00037	.00026	.0313
%RSD	9.2274	201.92	.74294	.19075	10.790	1.1651
#1	.47058	.00219	1.8558	.19239	.00275	2.6634
#2	.45629	.00019	1.8330	.19239	.00230	2.6695
#3	.54063	-.00037	1.8577	.19176	.00230	2.7204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-5-C Acquired: 11/26/2021 15:01:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**-.00030**	**-.00010**	**.00124**	**.24601**	**-.00091**
Stddev	.00025	.00103	.00210	.00117	.00812	.00052
%RSD	13.939	347.23	2021.9	93.851	3.2998	56.394
#1	.00149	-.00091	.00203	.00005	.25512	-.00140
#2	.00189	-.00087	-.00018	.00238	.23952	-.00097
#3	.00195	.00090	-.00217	.00130	.24341	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20437**	**.00003**	**-.00001**	**-.00019**	**.13497**
Stddev	.00316	.00009	.00165	.00076	.00039
%RSD	1.5458	265.50	29008.	407.77	.28840
#1	.20081	.00013	.00087	-.00096	.13526
#2	.20684	-.00003	.00102	-.00015	.13453
#3	.20547	-.00000	-.00190	.00055	.13511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2064.1**	**3510.2**	**54312.**	**4693.3**
Stddev	7.6	13.0	81.	26.8
%RSD	.36606	.37072	.14980	.57167
#1	2062.2	3513.5	54387.	4719.4
#2	2072.4	3521.2	54322.	4694.7
#3	2057.6	3495.8	54225.	4665.8

Sample Name: 180-130267-A-6-C Acquired: 11/26/2021 15:05:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.03006**	**.00308**	**.06299**	**.45394**	**.00019**
Stddev	.00022	.00774	.00138	.00211	.00135	.00004
%RSD	416.88	25.746	44.808	3.3448	.29685	20.907
#1	-.00007	.03852	.00365	.06132	.45246	.00018
#2	.00017	.02333	.00150	.06230	.45428	.00015
#3	-.00026	.02834	.00408	.06536	.45509	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.85**	**.00033**	**.00194**	**-.00017**	**.00086**	**-.00577**
Stddev	.12	.00018	.00015	.00035	.00032	.00507
%RSD	.06996	54.939	7.7445	204.08	37.306	87.812
#1	171.75	.00013	.00187	.00019	.00065	.00006
#2	171.99	.00048	.00185	-.00052	.00069	-.00915
#3	171.82	.00039	.00212	-.00018	.00123	-.00823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49969**	**.00165**	**1.8281**	**.20893**	**.00228**	**2.6050**
Stddev	.00997	.00052	.0192	.00053	.00018	.0161
%RSD	1.9958	31.215	1.0525	.25300	7.7623	.61810
#1	.48876	.00150	1.8095	.20947	.00240	2.5897
#2	.50202	.00123	1.8479	.20889	.00207	2.6035
#3	.50829	.00223	1.8269	.20842	.00236	2.6218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-6-C Acquired: 11/26/2021 15:05:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**-.00049**	**-.00330**	**.00254**	**.15919**	**-.00080**
Stddev	.00029	.00152	.00270	.00249	.00252	.00042
%RSD	21.332	309.70	81.858	98.233	1.5822	52.403
#1	.00134	-.00185	-.00281	.00162	.16060	-.00116
#2	.00108	.00115	-.00087	.00063	.16069	-.00090
#3	.00165	-.00078	-.00621	.00536	.15628	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19897**	**.00003**	**-.00050**	**.00461**	**.12305**
Stddev	.00210	.00017	.00067	.00244	.00137
%RSD	1.0529	614.54	131.97	52.837	1.1111
#1	.19802	.00022	-.00012	.00672	.12242
#2	.19753	-.00011	-.00012	.00516	.12211
#3	.20138	-.00002	-.00127	.00194	.12462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2053.0**	**3487.3**	**54430.**	**4723.3**
Stddev	18.6	30.7	265.	14.0
%RSD	.90776	.87968	.48725	.29724
#1	2063.2	3499.8	54124.	4716.9
#2	2064.3	3509.7	54590.	4713.6
#3	2031.5	3452.3	54576.	4739.4

Sample Name: MB 180-379959/1-A Acquired: 11/26/2021 15:10:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.02533**	**-.00084**	**.00063**	**-.00004**	**.00013**
Stddev	.00047	.01722	.00114	.00028	.00017	.00007
%RSD	1199.7	67.971	135.26	45.315	370.61	49.757
#1	-.00022	-.01892	.00041	.00095	-.00024	.00015
#2	-.00024	-.04483	-.00112	.00054	.00007	.00019
#3	.00058	-.01224	-.00182	.00040	.00003	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00384**	**.00008**	**.00017**	**.00051**	**.00098**	**-.00394**
Stddev	.00596	.00007	.00015	.00055	.00047	.00122
%RSD	155.17	92.614	88.415	108.10	48.086	30.913
#1	-.00097	.00015	.00003	.00111	.00152	-.00277
#2	.00014	.00000	.00015	.00039	.00071	-.00520
#3	-.01070	.00008	.00034	.00003	.00070	-.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23275**	**-.00167**	**.05414**	**.00011**	**.00128**	**1.1440**
Stddev	.03069	.00035	.00924	.00003	.00029	.0045
%RSD	13.187	21.026	17.060	24.504	22.816	.39250
#1	.19743	-.00135	.05213	.00012	.00102	1.1398
#2	.25297	-.00163	.04608	.00008	.00124	1.1433
#3	.24784	-.00205	.06422	.00012	.00160	1.1487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379959/1-A Acquired: 11/26/2021 15:10:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00063**	**-.00231**	**.00161**	**.00736**	**.00162**
Stddev	.00039	.00167	.00153	.00300	.01313	.00029
%RSD	119.98	264.01	66.270	187.10	178.40	18.120
#1	-.00068	-.00037	-.00077	-.00181	.02036	.00196
#2	.00009	-.00030	-.00234	.00280	.00764	.00146
#3	-.00039	.00257	-.00383	.00383	-.00591	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**.00026**	**-.00120**	**.00204**	**.00127**
Stddev	.00940	.00012	.00022	.00233	.00024
%RSD	192.97	47.057	18.030	114.15	18.745
#1	.01489	.00030	-.00145	.00442	.00148
#2	.00344	.00013	-.00107	-.00024	.00132
#3	-.00373	.00037	-.00108	.00194	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2282.5**	**3726.3**	**57080.**	**4757.1**
Stddev	16.2	23.4	300.	38.2
%RSD	.71108	.62818	.52577	.80274
#1	2263.9	3699.5	56797.	4801.2
#2	2289.5	3736.2	57395.	4735.9
#3	2294.0	3743.0	57048.	4734.3

Sample Name: LCS 180-379959/2-A Acquired: 11/26/2021 15:14:58 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22438**	**4.5790**	**.92447**	**1.1550**	**.92203**	**.46425**
Stddev	.00036	.0164	.00066	.0024	.00152	.00069
%RSD	.16021	.35905	.07089	.20668	.16490	.14775
#1	.22423	4.5979	.92519	1.1571	.92142	.46392
#2	.22411	4.5715	.92392	1.1555	.92375	.46380
#3	.22479	4.5677	.92428	1.1524	.92090	.46504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.126**	**.45325**	**.45508**	**.45907**	**.46376**	**4.5405**
Stddev	.070	.00069	.00073	.00073	.00191	.0163
%RSD	.30132	.15126	.16055	.15801	.41188	.35786
#1	23.179	.45383	.45585	.45984	.46209	4.5358
#2	23.047	.45343	.45440	.45900	.46584	4.5271
#3	23.153	.45249	.45499	.45839	.46334	4.5585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.415**	**.47894**	**22.397**	**.45374**	**.45533**	**22.035**
Stddev	.039	.00071	.094	.00069	.00059	.034
%RSD	.17449	.14724	.41981	.15301	.12859	.15651
#1	22.420	.47908	22.419	.45336	.45509	22.031
#2	22.374	.47818	22.293	.45331	.45600	22.071
#3	22.452	.47957	22.478	.45454	.45490	22.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379959/2-A Acquired: 11/26/2021 15:14:58 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45082**	**.43334**	**.21337**	**.89998**	**.94512**	**.91157**
Stddev	.00053	.00087	.00009	.00211	.00958	.00247
%RSD	.11734	.20039	.04335	.23486	1.0139	.27109
#1	.45137	.43288	.21329	.89775	.93423	.91386
#2	.45031	.43435	.21335	.90196	.95224	.91189
#3	.45079	.43280	.21347	.90022	.94890	.90895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45871**	**.46700**	**.87172**	**.45831**	**.22719**
Stddev	.00310	.00105	.00188	.00443	.00073
%RSD	.67662	.22588	.21538	.96672	.32136
#1	.45552	.46581	.87264	.45418	.22796
#2	.46172	.46782	.87295	.46299	.22712
#3	.45889	.46737	.86955	.45776	.22651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2121.7**	**3610.4**	**55436.**	**4690.1**
Stddev	6.3	14.1	37.	22.1
%RSD	.29701	.38916	.06753	.47046
#1	2114.5	3597.0	55477.	4664.6
#2	2124.6	3609.2	55427.	4702.9
#3	2126.1	3625.0	55403.	4702.7

Sample Name: 180-130246-A-1-C Acquired: 11/26/2021 15:19:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00896**	**.00638**	**.01401**	**.00046**	**-.00002**
Stddev	.00022	.02155	.00138	.00063	.00013	.00014
%RSD	1517.2	240.67	21.645	4.4612	29.318	922.40
#1	-.00020	-.01550	.00797	.01339	.00034	-.00013
#2	.00002	.01720	.00577	.01464	.00044	.00014
#3	.00023	.02517	.00542	.01400	.00060	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09693**	**.00049**	**.00136**	**.00363**	**.02813**	**5.8826**
Stddev	.00204	.00008	.00019	.00015	.00021	.0139
%RSD	2.1013	16.024	14.137	4.2004	.74902	.23682
#1	.09799	.00056	.00120	.00365	.02833	5.8849
#2	.09458	.00051	.00131	.00376	.02791	5.8676
#3	.09822	.00041	.00157	.00346	.02817	5.8952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30710**	**.00430**	**.06121**	**.03559**	**.00699**	**1.6074**
Stddev	.03314	.00137	.02632	.00010	.00044	.0024
%RSD	10.791	31.928	43.001	.28562	6.3458	.15137
#1	.26883	.00542	.05065	.03571	.00747	1.6052
#2	.32646	.00277	.04181	.03551	.00691	1.6070
#3	.32601	.00472	.09117	.03556	.00659	1.6100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C Acquired: 11/26/2021 15:19:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.00120**	**-.00071**	**.01200**	**.01790**	**.03504**
Stddev	.00050	.00048	.00168	.00206	.00681	.00059
%RSD	16.066	40.036	236.52	17.147	38.062	1.6740
#1	.00256	.00072	-.00252	.00962	.01182	.03571
#2	.00328	.00119	.00079	.01320	.02527	.03462
#3	.00352	.00168	-.00039	.01318	.01663	.03479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.00111**	**-.00232**	**.00139**	**.06301**
Stddev	.00570	.00016	.00039	.00206	.00096
%RSD	369.14	14.012	16.998	148.20	1.5205
#1	.00066	.00098	-.00264	.00186	.06254
#2	-.00801	.00128	-.00188	.00318	.06411
#3	.00272	.00108	-.00244	-.00086	.06238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2313.2**	**3713.5**	**58162.**	**4849.0**
Stddev	36.6	58.0	464.	12.7
%RSD	1.5827	1.5628	.79835	.26158
#1	2334.2	3750.1	57849.	4834.9
#2	2270.9	3646.5	58695.	4853.0
#3	2334.4	3743.7	57941.	4859.3

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/26/2021 15:23:56 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00800**	**.00065**	**.00369**	**.00013**	**.00004**
Stddev	.00031	.00395	.00236	.00027	.00006	.00014
%RSD	188.98	49.401	366.55	7.3694	46.412	351.81
#1	-.00026	-.00791	.00007	.00390	.00006	.00010
#2	-.00041	-.01200	.00325	.00379	.00016	-.00012
#3	.00018	-.00409	-.00138	.00339	.00017	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02045**	**-.00004**	**.00023**	**.00088**	**.00578**	**1.1632**
Stddev	.00181	.00008	.00002	.00033	.00042	.0109
%RSD	8.8507	182.21	7.8029	37.151	7.3317	.93694
#1	.02131	-.00000	.00022	.00124	.00577	1.1520
#2	.02167	.00001	.00025	.00060	.00621	1.1639
#3	.01837	-.00014	.00022	.00080	.00536	1.1737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23198**	**-.00070**	**.01411**	**.00740**	**.00224**	**.98177**
Stddev	.01795	.00060	.04200	.00022	.00018	.01351
%RSD	7.7381	85.445	297.67	2.9792	7.8953	1.3758
#1	.24368	-.00126	-.02694	.00765	.00239	.96707
#2	.24094	-.00077	.01228	.00730	.00229	.98459
#3	.21131	-.00007	.05699	.00725	.00205	.99364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/26/2021 15:23:56 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00045**	**-.00109**	**.00162**	**.01230**	**.00564**
Stddev	.00048	.00269	.00129	.00232	.01220	.00040
%RSD	214.60	601.09	118.22	142.91	99.131	7.1751
#1	.00078	.00080	-.00037	.00124	.02620	.00576
#2	-.00003	-.00240	-.00257	-.00048	.00731	.00519
#3	-.00008	.00294	-.00032	.00411	.00340	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.00045**	**-.00091**	**.00361**	**.01281**
Stddev	.00480	.00008	.00034	.00227	.00007
%RSD	322.14	17.565	37.810	62.707	.55825
#1	-.00458	.00037	-.00051	.00535	.01273
#2	-.00393	.00044	-.00111	.00444	.01287
#3	.00404	.00053	-.00111	.00105	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2319.1**	**3753.5**	**56387.**	**4802.2**
Stddev	6.4	4.3	1320.	19.9
%RSD	.27809	.11358	2.3417	.41386
#1	2325.3	3758.3	54890.	4820.4
#2	2319.7	3750.2	57387.	4805.2
#3	2312.4	3752.0	56885.	4781.0

Sample Name: 180-130246-A-1-D MS Acquired: 11/26/2021 15:28:36 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18358**	**3.8489**	**.78340**	**.99331**	**.77412**	**.38651**
Stddev	.00045	.0193	.02371	.02630	.00133	.00170
%RSD	.24718	.50036	3.0268	2.6482	.17167	.44078
#1	.18334	3.8312	.76721	.97822	.77348	.38458
#2	.18330	3.8694	.77237	.97803	.77565	.38778
#3	.18411	3.8461	.81061	1.0237	.77324	.38719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.430**	**.38795**	**.39630**	**.38986**	**.42036**	**9.3426**
Stddev	.023	.01051	.01107	.00313	.00260	.0567
%RSD	.11589	2.7100	2.7922	.80336	.61949	.60656
#1	19.412	.38148	.38896	.39257	.41996	9.2982
#2	19.456	.38230	.39090	.38643	.41797	9.4065
#3	19.423	.40009	.40902	.39056	.42313	9.3232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.710**	**.40656**	**18.792**	**.41147**	**.38709**	**19.199**
Stddev	.080	.00147	.080	.00106	.01085	.148
%RSD	.42888	.36143	.42679	.25791	2.8032	.76944
#1	18.636	.40697	18.738	.41222	.37967	19.042
#2	18.795	.40778	18.754	.41026	.38206	19.335
#3	18.699	.40493	18.884	.41194	.39955	19.222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-D MS Acquired: 11/26/2021 15:28:36 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39108**	**.37384**	**.17488**	**.76997**	**.80016**	**.77679**
Stddev	.01064	.01022	.00474	.02597	.00705	.01907
%RSD	2.7201	2.7351	2.7119	3.3727	.88112	2.4553
#1	.38420	.36734	.17243	.75339	.80396	.76458
#2	.38571	.36855	.17186	.75663	.79203	.76703
#3	.40334	.38563	.18034	.79990	.80450	.79877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.37985**	**.38654**	**.75580**	**.38383**	**.24706**
Stddev	.01889	.00012	.01912	.00278	.00642
%RSD	4.9739	.03146	2.5300	.72485	2.5996
#1	.36382	.38658	.74343	.38596	.24260
#2	.40068	.38641	.74615	.38483	.24415
#3	.37504	.38664	.77782	.38068	.25442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2101.4**	**3568.5**	**55729.**	**4761.8**
Stddev	44.5	73.7	250.	26.4
%RSD	2.1190	2.0653	.44796	.55535
#1	2131.3	3612.7	55488.	4779.6
#2	2122.6	3609.3	55986.	4731.5
#3	2050.2	3483.4	55713.	4774.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 15:32:58 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98328**	**23.581**	**.49426**	**2.0019**	**1.9141**	**1.8832**
Stddev	.00637	.107	.00983	.0288	.0098	.0087
%RSD	.64803	.45506	1.9894	1.4407	.51007	.46079
#1	.97742	23.648	.50560	2.0350	1.9228	1.8906
#2	.99006	23.457	.48898	1.9891	1.9036	1.8737
#3	.98234	23.638	.48819	1.9817	1.9160	1.8854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.675**	**.49013**	**1.9916**	**1.9105**	**1.9591**	**23.122**
Stddev	.043	.00723	.0324	.0118	.0083	.101
%RSD	.08955	1.4759	1.6277	.61542	.42451	.43596
#1	47.724	.49845	2.0289	1.8978	1.9500	23.204
#2	47.647	.48665	1.9752	1.9210	1.9663	23.009
#3	47.654	.48530	1.9707	1.9128	1.9609	23.153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.00**	**1.9961**	**46.070**	**1.8723**	**1.8919**	F **111.02**
Stddev	.53	.0091	.188	.0128	.0255	.69
%RSD	.46013	.45448	.40768	.68362	1.3497	.62262
#1	115.48	2.0065	46.276	1.8591	1.9213	111.48
#2	114.43	1.9898	46.025	1.8846	1.8758	110.22
#3	115.08	1.9919	45.909	1.8732	1.8785	111.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 15:32:58 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9959**	**.48526**	**.48528**	**.50176**	**1.8483**	**1.8426**
Stddev	.0315	.00887	.00944	.00830	.0022	.0307
%RSD	1.5760	1.8287	1.9458	1.6539	.11900	1.6659
#1	2.0318	.49525	.49616	.51115	1.8502	1.8780
#2	1.9831	.48222	.48054	.49871	1.8489	1.8260
#3	1.9729	.47830	.47915	.49541	1.8459	1.8237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8774**	**1.9084**	**.94490**	**1.8995**	**1.9048**
Stddev	.0184	.0096	.01665	.0009	.0317
%RSD	.98058	.50117	1.7623	.04822	1.6647
#1	1.8721	1.8999	.96373	1.8998	1.9413
#2	1.8623	1.9188	.93888	1.8984	1.8890
#3	1.8979	1.9067	.93210	1.9001	1.8840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1934.1**	**3500.7**	**53523.**	**4742.4**
Stddev	27.0	50.3	299.	12.1
%RSD	1.3940	1.4382	.55888	.25613
#1	1903.3	3443.0	53828.	4746.2
#2	1945.5	3523.3	53231.	4728.7
#3	1953.4	3535.8	53509.	4752.1

Sample Name: CCB9 Acquired: 11/26/2021 15:37:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00729**	**.00340**	**.00213**	**.00019**	**.00003**
Stddev	.00015	.02936	.00212	.00068	.00027	.00009
%RSD	195.01	402.77	62.350	32.149	140.69	267.87
#1	-.00009	-.01709	.00240	.00185	.00050	.00004
#2	.00011	.02572	.00583	.00291	-.00000	.00012
#3	.00020	-.03050	.00197	.00163	.00008	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00823**	**-.00006**	**-.00010**	**.00009**	**.00137**	**-.00579**
Stddev	.00218	.00009	.00027	.00027	.00063	.00434
%RSD	26.497	161.88	273.44	317.54	45.926	74.997
#1	-.00588	-.00010	-.00020	.00003	.00097	-.00995
#2	-.01018	.00005	.00021	-.00016	.00209	-.00613
#3	-.00865	-.00012	-.00030	.00038	.00104	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20829**	**-.00073**	**-.00650**	**.00003**	**.01419**	**.87932**
Stddev	.01818	.00151	.03140	.00005	.00204	.01839
%RSD	8.7291	206.02	483.21	157.50	14.387	2.0911
#1	.18873	-.00230	.01732	-.00002	.01631	.88540
#2	.22468	.00070	.00526	.00004	.01405	.89390
#3	.21146	-.00060	-.04208	.00008	.01223	.85866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB9 Acquired: 11/26/2021 15:37:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00052**	**.00117**	**.00648**	**-.00166**	**-.00103**
Stddev	.00042	.00124	.00109	.00138	.00590	.00071
%RSD	15441.	239.16	92.790	21.235	354.48	68.741
#1	-.00041	-.00075	-.00004	.00789	.00507	-.00174
#2	.00043	.00172	.00207	.00640	-.00413	-.00100
#3	-.00001	.00059	.00147	.00514	-.00594	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00078**	**-.00060**	**.00256**	**.00050**
Stddev	.00847	.00008	.00078	.00526	.00003
%RSD	6662.1	10.018	129.20	205.61	6.5418
#1	.00530	.00087	-.00150	-.00338	.00051
#2	-.00964	.00076	-.00016	.00663	.00047
#3	.00472	.00072	-.00014	.00443	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2282.3**	**3708.4**	**57137.**	**4742.8**
Stddev	10.5	8.7	71.	42.8
%RSD	.46166	.23491	.12434	.90142
#1	2270.2	3698.4	57202.	4782.2
#2	2287.2	3713.3	57061.	4697.3
#3	2289.5	3713.7	57147.	4749.0

Sample Name: 180-130246-A-1-E MSD Acquired: 11/26/2021 15:42:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19358**	**3.8939**	**.80376**	**1.0460**	**.78770**	**.39359**
Stddev	.00075	.1053	.00091	.0027	.02870	.01439
%RSD	.38838	2.7032	.11271	.25542	3.6440	3.6560
#1	.19389	3.8060	.80479	1.0490	.75801	.37776
#2	.19413	3.8652	.80308	1.0447	.78978	.39711
#3	.19272	4.0106	.80342	1.0442	.81530	.40588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.665**	**.40015**	**.40795**	**.40584**	**.44133**	**10.525**
Stddev	.637	.00045	.00055	.00108	.00141	.357
%RSD	3.2397	.11241	.13450	.26510	.31940	3.3962
#1	19.012	.39985	.40841	.40465	.44177	10.147
#2	19.697	.39993	.40809	.40675	.44247	10.571
#3	20.285	.40067	.40734	.40611	.43976	10.857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.020**	**.41143**	**19.030**	**.43983**	**.40600**	**19.613**
Stddev	.707	.01372	.673	.00075	.00068	.742
%RSD	3.7160	3.3355	3.5358	.16964	.16796	3.7848
#1	18.249	.39753	18.296	.43938	.40546	18.811
#2	19.174	.41180	19.177	.44069	.40677	19.750
#3	19.637	.42496	19.617	.43943	.40578	20.277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-E MSD Acquired: 11/26/2021 15:42:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40720**	**.38110**	**.18233**	**.80702**	**.83979**	**.79492**
Stddev	.00141	.00103	.00214	.00186	.03419	.00028
%RSD	.34535	.27036	1.1732	.23092	4.0717	.03539
#1	.40815	.38013	.17996	.80877	.80064	.79460
#2	.40558	.38098	.18412	.80506	.85493	.79513
#3	.40786	.38218	.18291	.80722	.86379	.79503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.38877**	**.40867**	**.77407**	**.38432**	**.27213**
Stddev	.02055	.00068	.00276	.01232	.00043
%RSD	5.2854	.16648	.35609	3.2044	.15686
#1	.36725	.40896	.77551	.37023	.27164
#2	.39088	.40917	.77580	.38974	.27231
#3	.40819	.40790	.77089	.39301	.27243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2133.3**	**3624.0**	**55726.**	**4907.2**
Stddev	6.4	8.8	147.	119.6
%RSD	.29842	.24330	.26461	2.4380
#1	2126.2	3616.9	55840.	5038.2
#2	2135.2	3621.3	55559.	4879.8
#3	2138.5	3633.9	55777.	4803.7

Sample Name: 180-130246-A-1-C PDS Acquired: 11/26/2021 15:46:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24963**	**5.0495**	**.98538**	**1.3158**	**.98259**	**.49188**
Stddev	.00080	.0336	.00363	.0026	.00252	.00178
%RSD	.31900	.66501	.36856	.19507	.25648	.36282
#1	.24900	5.0763	.98120	1.3148	.98474	.49212
#2	.25052	5.0603	.98723	1.3187	.97982	.49354
#3	.24936	5.0119	.98772	1.3139	.98322	.48999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.704**	**.48324**	**.49168**	**.48613**	**.52503**	**10.734**
Stddev	.103	.00090	.00175	.00214	.00207	.007
%RSD	.40121	.18617	.35632	.43991	.39389	.06757
#1	25.823	.48242	.49284	.48848	.52325	10.726
#2	25.642	.48420	.49254	.48563	.52730	10.738
#3	25.646	.48310	.48967	.48429	.52453	10.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.964**	**.51604**	**25.004**	**.51402**	**.48221**	**25.449**
Stddev	.174	.00147	.124	.00104	.00160	.075
%RSD	.69669	.28556	.49501	.20245	.33218	.29520
#1	25.098	.51761	25.146	.51444	.48043	25.523
#2	25.027	.51469	24.946	.51479	.48353	25.452
#3	24.767	.51582	24.919	.51284	.48266	25.373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C PDS Acquired: 11/26/2021 15:46:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48498**	**.46604**	**.23548**	**.98396**	**1.0760**	**.95386**
Stddev	.00104	.00274	.00356	.00750	.0159	.00310
%RSD	.21525	.58791	1.5118	.76204	1.4751	.32535
#1	.48385	.46919	.23161	.97559	1.0926	.95218
#2	.48591	.46475	.23862	.98623	1.0609	.95744
#3	.48519	.46418	.23621	.99007	1.0746	.95195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48764**	**.49336**	**.93822**	**.48649**	**.30617**
Stddev	.01237	.00081	.00156	.00101	.00038
%RSD	2.5375	.16417	.16665	.20821	.12285
#1	.49712	.49294	.93971	.48760	.30621
#2	.49215	.49430	.93659	.48562	.30652
#3	.47364	.49285	.93835	.48624	.30577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2129.1**	**3656.3**	**56279.**	**4752.7**
Stddev	5.3	4.7	29.	54.3
%RSD	.24837	.12927	.05157	1.1426
#1	2126.7	3656.2	56296.	4696.9
#2	2125.4	3651.6	56245.	4755.7
#3	2135.2	3661.0	56295.	4805.4

Sample Name: MB 180-379963/1-A Acquired: 11/26/2021 15:50:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00767**	**.00444**	**.00224**	**.00024**	**.00007**
Stddev	.00010	.01239	.00230	.00012	.00008	.00007
%RSD	203.79	161.56	51.792	5.4957	34.026	106.82
#1	-.00003	.01214	.00358	.00210	.00028	.00015
#2	.00017	.01720	.00704	.00232	.00015	.00000
#3	.00002	-.00634	.00269	.00230	.00030	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.00002**	**-.00025**	**.00072**	**.00069**	**-.00026**
Stddev	.00387	.00010	.00009	.00038	.00105	.00500
%RSD	37.432	628.56	35.637	52.048	152.58	1896.4
#1	.01206	-.00005	-.00022	.00070	-.00031	-.00603
#2	.00590	.00013	-.00017	.00112	.00059	.00259
#3	.01304	-.00003	-.00034	.00036	.00178	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22481**	**-.00048**	**.03745**	**.00017**	**.00572**	**.79169**
Stddev	.02051	.00114	.03288	.00005	.00071	.01196
%RSD	9.1227	236.69	87.773	29.439	12.345	1.5111
#1	.24671	-.00097	.05550	.00022	.00604	.80504
#2	.22165	.00082	.05736	.00012	.00622	.78194
#3	.20605	-.00129	-.00049	.00017	.00492	.78809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379963/1-A Acquired: 11/26/2021 15:50:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00064**	**-.00060**	**.00803**	**-.00322**	**.00367**
Stddev	.00049	.00078	.00070	.00417	.00741	.00036
%RSD	457.33	122.33	117.18	51.940	229.77	9.7560
#1	-.00046	-.00020	-.00011	.01283	-.01169	.00327
#2	.00045	.00078	-.00028	.00595	.00203	.00379
#3	.00033	.00135	-.00141	.00531	-.00000	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.00058**	**-.00040**	**.00035**	**.00324**
Stddev	.00146	.00025	.00068	.00348	.00026
%RSD	16.579	43.199	169.98	985.93	8.0957
#1	.00955	.00086	.00025	.00041	.00295
#2	.00977	.00049	-.00034	.00381	.00347
#3	.00713	.00038	-.00112	-.00316	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2261.1**	**3675.1**	**57537.**	**4786.1**
Stddev	60.7	94.5	52.	10.6
%RSD	2.6835	2.5706	.09007	.22249
#1	2305.9	3740.5	57542.	4774.4
#2	2192.1	3566.8	57483.	4788.5
#3	2285.3	3718.0	57586.	4795.3

Sample Name: LCS 180-379963/2-A Acquired: 11/26/2021 15:55:24 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23045**	**4.5905**	**.93344**	**1.1661**	**.91869**	**.46120**
Stddev	.00468	.0491	.00688	.0120	.00152	.00229
%RSD	2.0317	1.0705	.73662	1.0321	.16578	.49678
#1	.22511	4.6402	.94109	1.1800	.92026	.46379
#2	.23239	4.5894	.92778	1.1596	.91861	.45943
#3	.23385	4.5419	.93145	1.1588	.91721	.46037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.315**	**.45657**	**.46116**	**.47335**	**.47708**	**4.5319**
Stddev	.066	.00330	.00388	.01063	.00875	.0313
%RSD	.28444	.72340	.84036	2.2466	1.8336	.69081
#1	23.359	.46037	.46533	.46107	.46720	4.5636
#2	23.348	.45437	.46047	.47968	.48022	4.5313
#3	23.239	.45496	.45767	.47929	.48383	4.5010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.360**	**.47900**	**22.533**	**.46406**	**.46209**	**22.308**
Stddev	.154	.00173	.126	.01058	.00306	.237
%RSD	.68900	.36134	.55718	2.2803	.66295	1.0637
#1	22.532	.47759	22.677	.45200	.46556	22.558
#2	22.235	.48093	22.470	.46844	.45979	22.086
#3	22.314	.47847	22.450	.47176	.46090	22.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379963/2-A Acquired: 11/26/2021 15:55:24 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45509**	**.43804**	**.21310**	**.90296**	**.93328**	**.88672**
Stddev	.00438	.00554	.00155	.00724	.01489	.00805
%RSD	.96166	1.2643	.72755	.80188	1.5950	.90831
#1	.46012	.44438	.21471	.91129	.94540	.89598
#2	.45302	.43561	.21161	.89940	.91666	.88284
#3	.45213	.43414	.21298	.89819	.93777	.88134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45878**	**.47508**	**.88070**	**.45786**	**.22977**
Stddev	.00567	.00968	.00859	.00853	.00176
%RSD	1.2361	2.0368	.97563	1.8626	.76799
#1	.46461	.46399	.89038	.46703	.23170
#2	.45328	.47940	.87775	.45016	.22825
#3	.45844	.48184	.87398	.45640	.22935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2096.5**	**3582.6**	**54086.**	**4669.3**
Stddev	20.0	33.2	1003.	43.8
%RSD	.95479	.92623	1.8551	.93720
#1	2073.5	3544.3	55225.	4619.6
#2	2106.5	3602.6	53697.	4686.3
#3	2109.7	3600.9	53335.	4701.9

Sample Name: 180-130293-D-2-A Acquired: 11/26/2021 15:59:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**2.0427**	**.01254**	**.00916**	**.00563**	**.00004**
Stddev	.00023	.0054	.00300	.00039	.00020	.00017
%RSD	37.300	.26399	23.942	4.2929	3.5626	429.46
#1	.00057	2.0392	.01440	.00959	.00546	-.00014
#2	.00085	2.0489	.01414	.00907	.00558	.00007
#3	.00040	2.0400	.00907	.00881	.00585	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79150**	**.00009**	**.00131**	**.00991**	**.02248**	**1.2601**
Stddev	.00449	.00019	.00024	.00044	.00029	.0009
%RSD	.56685	206.86	18.304	4.4579	1.2808	.07060
#1	.79638	.00015	.00136	.01024	.02281	1.2595
#2	.78756	-.00012	.00105	.00941	.02235	1.2597
#3	.79056	.00024	.00152	.01008	.02228	1.2611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71202**	**.00045**	**1.9441**	**.05279**	**.00583**	F **304.55**
Stddev	.01871	.00049	.0347	.00014	.00050	.54
%RSD	2.6280	108.16	1.7822	.25597	8.6092	.17778
#1	.72050	.00005	1.9094	.05291	.00630	304.99
#2	.69057	.00100	1.9443	.05264	.00588	303.94
#3	.72500	.00031	1.9787	.05281	.00530	304.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130293-D-2-A Acquired: 11/26/2021 15:59:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01860**	**.03958**	**.01671**	**.00753**	**.12661**	F **59.006**
Stddev	.00088	.00097	.00027	.00312	.00952	.314
%RSD	4.7137	2.4402	1.6166	41.503	7.5228	.53231
#1	.01815	.03848	.01694	.00456	.11956	58.966
#2	.01961	.04026	.01678	.00723	.12283	59.338
#3	.01804	.04001	.01641	.01079	.13745	58.713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16962**	**.00096**	**-.00084**	**.00389**	**.02067**
Stddev	.01261	.00005	.00026	.00079	.00011
%RSD	7.4347	5.1858	31.306	20.331	.54821
#1	.18411	.00094	-.00078	.00435	.02068
#2	.16359	.00101	-.00062	.00298	.02077
#3	.16115	.00092	-.00113	.00435	.02055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1988.3**	**3516.5**	**52991.**	**4656.8**
Stddev	5.9	16.2	130.	3.4
%RSD	.29444	.45947	.24560	.07231
#1	1991.5	3513.6	52851.	4658.5
#2	1981.5	3502.0	53013.	4652.9
#3	1991.8	3533.9	53108.	4659.0

Sample Name: 180-130293-D-2-A@25 Acquired: 11/26/2021 16:04:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.08421**	**.00087**	**.00173**	**.00026**	**.00005**
Stddev	.00061	.01354	.00246	.00024	.00025	.00001
%RSD	475.74	16.074	281.41	13.796	95.077	28.569
#1	-.00017	.09983	.00227	.00170	.00045	.00006
#2	.00083	.07677	.00232	.00151	.00036	.00006
#3	-.00028	.07602	-.00197	.00199	-.00002	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03901**	**.00002**	**-.00009**	**.00081**	**.00199**	**.04796**
Stddev	.00176	.00007	.00009	.00046	.00100	.00169
%RSD	4.5023	414.37	100.60	56.460	50.230	3.5253
#1	.04098	-.00005	-.00019	.00096	.00099	.04618
#2	.03845	.00009	-.00004	.00029	.00299	.04954
#3	.03760	.00001	-.00004	.00117	.00200	.04817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16167**	**-.00129**	**.09282**	**.00217**	**.00240**	**13.637**
Stddev	.01374	.00134	.03175	.00020	.00016	.050
%RSD	8.4998	103.80	34.202	9.2838	6.6872	.36614
#1	.14628	-.00281	.06304	.00236	.00259	13.672
#2	.17271	-.00080	.08919	.00196	.00232	13.660
#3	.16601	-.00027	.12622	.00220	.00230	13.580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-2-A@25 Acquired: 11/26/2021 16:04:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00138**	**-.00148**	**.00202**	**.00847**	**2.6364**
Stddev	.00029	.00060	.00125	.00358	.00588	.0065
%RSD	28.629	43.335	84.803	177.25	69.335	.24511
#1	.00127	.00119	-.00221	-.00069	.00890	2.6307
#2	.00070	.00205	-.00219	.00067	.00240	2.6435
#3	.00107	.00090	-.00003	.00608	.01413	2.6351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01311**	**.00009**	**-.00126**	**.00201**	**.00257**
Stddev	.00713	.00007	.00060	.00409	.00016
%RSD	54.415	71.455	47.622	203.13	6.2315
#1	.01187	.00010	-.00069	-.00188	.00239
#2	.02078	.00016	-.00188	.00164	.00262
#3	.00668	.00002	-.00120	.00627	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2274.6**	**3728.0**	**59262.**	**4757.3**
Stddev	5.8	11.0	4021.	18.6
%RSD	.25674	.29375	6.7852	.39154
#1	2281.0	3738.0	55557.	4735.9
#2	2269.6	3716.3	63538.	4766.6
#3	2273.1	3729.6	58692.	4769.5

Sample Name: 180-130105-A-8-A@2 Acquired: 11/26/2021 16:09:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**-.01303**	**.00547**	**.05987**	**.52811**	**.00002**
Stddev	.00020	.00946	.00281	.00075	.00404	.00012
%RSD	29.491	72.609	51.378	1.2479	.76429	802.89
#1	-.00092	-.00752	.00279	.05983	.52550	.00007
#2	-.00054	-.00762	.00840	.06064	.52607	.00010
#3	-.00061	-.02396	.00523	.05915	.53276	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**262.92**	**.00015**	**.00247**	**.00001**	**-.00499**	**.06493**
Stddev	1.13	.00016	.00006	.00017	.00100	.00293
%RSD	.42948	109.19	2.2765	1277.2	20.029	4.5065
#1	261.96	.00009	.00249	.00021	-.00599	.06778
#2	262.62	.00002	.00251	-.00008	-.00500	.06193
#3	264.16	.00033	.00241	-.00010	-.00399	.06508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6800**	**.12274**	**315.20**	**.32157**	**.00371**	F **628.47**
Stddev	.0514	.00167	2.35	.00134	.00034	3.75
%RSD	.90462	1.3637	.74540	.41634	9.1468	.59624
#1	5.6319	.12147	313.07	.32014	.00393	626.72
#2	5.6740	.12211	314.80	.32178	.00332	632.77
#3	5.7341	.12464	317.72	.32280	.00388	625.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-8-A@2 Acquired: 11/26/2021 16:09:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00607**	**.00136**	**-.00552**	**.00435**	**3.1508**	**.00132**
Stddev	.00027	.00275	.00064	.00071	.0502	.00042
%RSD	4.3665	202.32	11.650	16.264	1.5944	31.919
#1	.00637	.00385	-.00615	.00504	3.1388	.00087
#2	.00587	-.00159	-.00553	.00439	3.1076	.00139
#3	.00597	.00181	-.00487	.00363	3.2059	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **66.507**	**-.00227**	**-.00118**	**.00292**	**.00465**
Stddev	.565	.00009	.00036	.00085	.00015
%RSD	.84976	4.1747	30.453	29.094	3.3035
#1	66.168	-.00217	-.00102	.00303	.00469
#2	66.194	-.00229	-.00093	.00370	.00448
#3	67.160	-.00236	-.00160	.00201	.00478
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1695.4**	**3164.4**	**47875.**	**4379.4**
Stddev	8.0	18.4	124.	23.8
%RSD	.47200	.58097	.25808	.54402
#1	1686.1	3143.3	48016.	4405.0
#2	1700.0	3173.1	47787.	4375.3
#3	1700.0	3176.9	47822.	4357.9

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:14:00 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95751**	**23.372**	**.47827**	**1.9465**	**1.8936**	**1.8911**
Stddev	.00167	.105	.00441	.0172	.0024	.0085
%RSD	.17431	.45082	.92170	.88508	.12919	.45043
#1	.95682	23.400	.47404	1.9321	1.8961	1.8923
#2	.95941	23.256	.48283	1.9656	1.8913	1.8821
#3	.95630	23.461	.47793	1.9419	1.8933	1.8990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.366**	**.48029**	**1.9447**	**1.8607**	**1.8799**	**23.211**
Stddev	.095	.00294	.0153	.0072	.0013	.091
%RSD	.20149	.61194	.78831	.38400	.07028	.39422
#1	47.435	.47775	1.9319	1.8624	1.8794	23.197
#2	47.257	.48351	1.9617	1.8668	1.8814	23.128
#3	47.406	.47962	1.9405	1.8528	1.8789	23.309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.99**	**1.9673**	**46.076**	**1.8406**	**1.8464**	**113.65**
Stddev	.46	.0010	.115	.0011	.0156	.37
%RSD	.39893	.05162	.24903	.05937	.84478	.32271
#1	116.15	1.9674	46.097	1.8418	1.8314	113.81
#2	115.47	1.9662	45.952	1.8397	1.8625	113.24
#3	116.35	1.9682	46.179	1.8403	1.8453	113.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:14:00 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9541**	**.47468**	**.46920**	**.47638**	**1.8568**	F **1.7962**
Stddev	.0147	.00155	.00528	.00824	.0115	.0135
%RSD	.75057	.32568	1.1251	1.7289	.61669	.75313
#1	1.9405	.47382	.46400	.46688	1.8672	1.7878
#2	1.9697	.47646	.47455	.48160	1.8445	1.8118
#3	1.9522	.47375	.46906	.48065	1.8586	1.7890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8895**	**1.8689**	**.92759**	**1.8865**	**1.8769**
Stddev	.0071	.0012	.00870	.0114	.0137
%RSD	.37524	.06178	.93834	.60400	.73177
#1	1.8972	1.8678	.92053	1.8996	1.8684
#2	1.8832	1.8688	.93732	1.8799	1.8927
#3	1.8882	1.8701	.92494	1.8799	1.8694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1959.3**	**3549.9**	**54034.**	**4650.9**
Stddev	14.0	24.4	164.	31.9
%RSD	.71588	.68603	.30339	.68521
#1	1971.1	3566.0	53928.	4654.7
#2	1943.8	3521.9	53952.	4680.7
#3	1963.0	3561.8	54223.	4617.3

Sample Name: CCB10 Acquired: 11/26/2021 16:18:22 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00969**	**.00286**	**.00171**	**.00023**	**.00010**
Stddev	.00027	.01462	.00076	.00029	.00008	.00002
%RSD	212.19	150.81	26.391	17.087	33.980	16.420
#1	-.00015	-.00043	.00278	.00179	.00015	.00010
#2	.00040	-.02654	.00215	.00138	.00031	.00012
#3	.00013	-.00211	.00366	.00195	.00025	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00727**	**-.00006**	**.00002**	**.00035**	**.00134**	**-.00412**
Stddev	.00183	.00002	.00009	.00011	.00016	.00522
%RSD	25.215	28.914	438.06	32.085	11.626	126.81
#1	-.00560	-.00007	.00005	.00031	.00123	.00018
#2	-.00699	-.00006	-.00008	.00047	.00128	-.00260
#3	-.00923	-.00004	.00010	.00025	.00152	-.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16330**	**-.00164**	**.03971**	**.00006**	**.01436**	**.70560**
Stddev	.02172	.00188	.02646	.00003	.00228	.00423
%RSD	13.302	114.81	66.629	50.309	15.900	.59983
#1	.14761	-.00328	.04909	.00003	.01680	.70769
#2	.15421	.00041	.00984	.00009	.01402	.70839
#3	.18810	-.00205	.06019	.00006	.01227	.70073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB10 Acquired: 11/26/2021 16:18:22 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00064**	**-.00066**	**.00576**	**-.00047**	**.00021**
Stddev	.00038	.00176	.00325	.00251	.00696	.00031
%RSD	130.92	274.53	489.59	43.497	1496.6	149.03
#1	-.00013	.00267	.00082	.00572	.00700	-.00006
#2	.00039	-.00043	-.00439	.00327	-.00162	.00054
#3	.00062	-.00031	.00158	.00828	-.00678	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00700**	**.00056**	**-.00004**	**.00426**	**.00062**
Stddev	.00570	.00008	.00093	.00069	.00009
%RSD	81.436	13.343	2580.7	16.306	14.506
#1	.00158	.00049	.00015	.00485	.00053
#2	.00646	.00056	-.00104	.00444	.00071
#3	.01294	.00064	.00078	.00349	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2314.9**	**3759.9**	**57265.**	**4678.3**
Stddev	6.6	4.6	65.	41.4
%RSD	.28534	.12119	.11393	.88584
#1	2309.1	3754.6	57190.	4726.1
#2	2322.1	3762.8	57296.	4656.0
#3	2313.5	3762.2	57308.	4652.8

Sample Name: 180-130108-C-3-A@5 Acquired: 11/26/2021 16:23:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00627**	**.00400**	**.00493**	**.04383**	**.00013**
Stddev	.00017	.01498	.00133	.00071	.00043	.00002
%RSD	30.310	238.84	33.258	14.345	.98823	18.542
#1	-.00046	.02353	.00345	.00428	.04370	.00013
#2	-.00077	-.00331	.00551	.00569	.04431	.00011
#3	-.00048	-.00140	.00303	.00483	.04348	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.603**	**.00000**	**.00268**	**.00057**	**-.00127**	**.04950**
Stddev	.107	.00010	.00008	.00049	.00049	.00294
%RSD	.47137	1993.6	3.0308	85.939	38.862	5.9431
#1	22.629	.00009	.00261	.00023	-.00088	.04623
#2	22.695	.00002	.00267	.00113	-.00109	.05194
#3	22.486	-.00010	.00277	.00034	-.00182	.05032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4769**	**.01399**	**.39438**	**.01580**	**.00496**	F **1869.3**
Stddev	.0276	.00046	.02123	.00010	.00048	12.9
%RSD	1.1131	3.3069	5.3831	.63912	9.7790	.68898
#1	2.4557	.01436	.39204	.01569	.00528	1880.1
#2	2.5081	.01347	.41668	.01582	.00519	1872.8
#3	2.4670	.01413	.37442	.01589	.00440	1855.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3-A@5 Acquired: 11/26/2021 16:23:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.00119**	**-.00111**	**.00332**	**.05510**	**-.00078**
Stddev	.00051	.00132	.00118	.00177	.00553	.00049
%RSD	56.063	111.62	106.53	53.381	10.031	62.524
#1	.00032	-.00031	.00019	.00340	.05929	-.00027
#2	.00121	-.00271	-.00139	.00506	.04883	-.00124
#3	.00119	-.00054	-.00212	.00151	.05717	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16736**	**.00091**	**-.00147**	**.00452**	**.02175**
Stddev	.00516	.00021	.00041	.00112	.00009
%RSD	3.0813	23.005	28.172	24.848	.42114
#1	.16829	.00072	-.00141	.00538	.02177
#2	.17198	.00088	-.00191	.00325	.02165
#3	.16179	.00113	-.00109	.00493	.02183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1664.2**	**3208.5**	**46851.**	**4370.9**
Stddev	6.2	8.4	95.	18.7
%RSD	.37434	.26044	.20311	.42813
#1	1658.0	3200.3	46877.	4371.7
#2	1664.2	3208.2	46930.	4351.7
#3	1670.4	3217.0	46745.	4389.1

Sample Name: 180-130108-C3A SD@25 Acquired: 11/26/2021 16:27:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00462**	**.00076**	**.00150**	**.00923**	**-.00002**
Stddev	.00038	.01386	.00157	.00032	.00081	.00008
%RSD	1674.8	300.20	206.65	21.565	8.7256	402.47
#1	-.00006	-.00337	-.00094	.00165	.00860	-.00004
#2	.00044	-.00340	.00216	.00113	.01014	.00006
#3	-.00031	.02061	.00106	.00173	.00895	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7156**	**-.00006**	**.00087**	**.00010**	**-.00234**	**.01006**
Stddev	.2763	.00007	.00017	.00064	.00045	.00034
%RSD	5.8583	104.40	19.446	622.86	19.248	3.3725
#1	4.4893	.00000	.00097	.00071	-.00238	.00968
#2	5.0234	-.00013	.00068	.00016	-.00277	.01016
#3	4.6339	-.00007	.00097	-.00057	-.00187	.01034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67285**	**.00176**	**.09435**	**.00319**	**.00344**	**411.44**
Stddev	.05747	.00101	.03019	.00003	.00042	21.69
%RSD	8.5410	57.517	31.995	.90990	12.180	5.2723
#1	.62172	.00100	.06472	.00320	.00371	391.23
#2	.73505	.00291	.12507	.00321	.00295	434.36
#3	.66180	.00137	.09327	.00316	.00365	408.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C3A SD@25 Acquired: 11/26/2021 16:27:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00023**	**-.00176**	**-.00163**	**.00687**	**-.00100**
Stddev	.00029	.00091	.00095	.00148	.01251	.00025
%RSD	133.35	399.51	54.294	90.897	182.06	24.692
#1	.00048	-.00067	-.00182	-.00254	.01541	-.00115
#2	.00027	.00114	-.00267	-.00244	-.00749	-.00112
#3	-.00009	.00020	-.00077	.00008	.01270	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03646**	**.00032**	**-.00076**	**.00274**	**.00657**
Stddev	.00631	.00007	.00207	.00444	.00024
%RSD	17.300	21.138	272.40	161.87	3.7262
#1	.02974	.00034	-.00143	-.00217	.00674
#2	.03739	.00038	.00156	.00648	.00629
#3	.04225	.00025	-.00241	.00392	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1983.8**	**3557.1**	**51390.**	**4497.4**
Stddev	110.8	196.0	405.	229.7
%RSD	5.5841	5.5098	.78744	5.1062
#1	1901.8	3406.9	51186.	4685.5
#2	2109.8	3778.8	51127.	4241.5
#3	1939.8	3485.6	51856.	4565.2

Sample Name: 180-130108-A-3A MS@5 Acquired: 11/26/2021 16:32:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05469**	**.97029**	**.21789**	**.25711**	**.23003**	**.09495**
Stddev	.00024	.01884	.00149	.00062	.00134	.00045
%RSD	.44439	1.9416	.68613	.24274	.58408	.47077
#1	.05441	.97519	.21689	.25782	.22938	.09444
#2	.05485	.94948	.21961	.25662	.22914	.09529
#3	.05481	.98619	.21717	.25690	.23157	.09512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.547**	**.10450**	**.10442**	**.09729**	**.10151**	**1.0121**
Stddev	.208	.00029	.00026	.00125	.00067	.0015
%RSD	.81492	.27315	.24962	1.2807	.66346	.15288
#1	25.582	.10476	.10472	.09814	.10204	1.0137
#2	25.324	.10454	.10433	.09786	.10175	1.0119
#3	25.736	.10419	.10422	.09586	.10075	1.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9787**	**.12040**	**4.9583**	**.11152**	**.09098**	F **1723.5**
Stddev	.0547	.00121	.0337	.00078	.00025	23.2
%RSD	.68576	1.0075	.67985	.69846	.27791	1.3489
#1	7.9160	.11972	4.9337	.11228	.09099	1745.1
#2	8.0167	.11968	4.9967	.11157	.09123	1698.9
#3	8.0035	.12180	4.9445	.11072	.09072	1726.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3A MS@5 Acquired: 11/26/2021 16:32:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10187**	**.09594**	**.04684**	**.20497**	**.29100**	**.17332**
Stddev	.00014	.00178	.00166	.00214	.00796	.00065
%RSD	.14013	1.8557	3.5453	1.0441	2.7349	.37232
#1	.10184	.09778	.04709	.20508	.28953	.17310
#2	.10175	.09423	.04836	.20278	.29959	.17282
#3	.10203	.09580	.04507	.20705	.28388	.17405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.24847**	**.09882**	**.17577**	**.09393**	**.07134**
Stddev	.00091	.00116	.00226	.00326	.00009
%RSD	.36797	1.1713	1.2870	3.4711	.12345
#1	.24872	.09998	.17736	.09657	.07144
#2	.24745	.09882	.17318	.09029	.07128
#3	.24923	.09767	.17677	.09495	.07131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1689.0**	**3248.5**	**47609.**	**4529.3**
Stddev	4.0	6.8	377.	26.1
%RSD	.23401	.21034	.79174	.57688
#1	1684.6	3240.7	47352.	4515.3
#2	1692.3	3251.4	47433.	4559.4
#3	1690.1	3253.4	48042.	4513.1

Sample Name: 180-130108-A3B MSD@5 Acquired: 11/26/2021 16:37:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05411**	**.99202**	**.21854**	**.25414**	**.23010**	**.09469**
Stddev	.00070	.03323	.00076	.00054	.00373	.00129
%RSD	1.2944	3.3502	.34602	.21139	1.6215	1.3580
#1	.05489	.99891	.21781	.25467	.22791	.09434
#2	.05390	.95588	.21932	.25360	.22797	.09361
#3	.05354	1.0213	.21850	.25416	.23440	.09611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.408**	**.10389**	**.10352**	**.09409**	**.10058**	**1.0247**
Stddev	.350	.00015	.00037	.00040	.00007	.0201
%RSD	1.3236	.14912	.35510	.42371	.07209	1.9628
#1	26.175	.10407	.10391	.09381	.10061	1.0248
#2	26.239	.10381	.10348	.09392	.10050	1.0046
#3	26.810	.10380	.10318	.09455	.10064	1.0448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.4191**	**.12359**	**5.0112**	**.11040**	**.09024**	F **1736.4**
Stddev	.1194	.00252	.0674	.00090	.00050	12.7
%RSD	1.4185	2.0395	1.3449	.81940	.55099	.73310
#1	8.3429	.12193	4.9444	.11135	.08975	1731.3
#2	8.3578	.12236	5.0101	.10955	.09074	1750.9
#3	8.5568	.12649	5.0791	.11029	.09023	1727.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A3B MSD@5 Acquired: 11/26/2021 16:37:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10185**	**.09514**	**.04547**	**.20510**	**.30246**	**.17178**
Stddev	.00031	.00041	.00200	.00431	.00897	.00112
%RSD	.30144	.42895	4.3997	2.0998	2.9658	.65327
#1	.10174	.09474	.04417	.20781	.29324	.17219
#2	.10220	.09512	.04778	.20735	.31115	.17264
#3	.10162	.09556	.04448	.20013	.30298	.17051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.26125**	**.09726**	**.17500**	**.09822**	**.07129**
Stddev	.00324	.00090	.00207	.00416	.00014
%RSD	1.2398	.92721	1.1803	4.2312	.19147
#1	.26135	.09829	.17501	.10078	.07144
#2	.26443	.09662	.17293	.09343	.07117
#3	.25796	.09686	.17706	.10045	.07127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1681.8**	**3253.5**	**47817.**	**4425.4**
Stddev	5.2	5.7	282.	12.7
%RSD	.31052	.17369	.59013	.28674
#1	1676.5	3247.0	47492.	4440.0
#2	1682.1	3256.3	47986.	4416.7
#3	1686.9	3257.2	47975.	4419.6

Sample Name: 180-130108-C-4-A@5 Acquired: 11/26/2021 16:42:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.39036**	**.00577**	**.00831**	**.07218**	**.00008**
Stddev	.00059	.00577	.00126	.00065	.00057	.00003
%RSD	318.29	1.4776	21.823	7.8507	.79390	41.917
#1	.00023	.39683	.00566	.00901	.07202	.00010
#2	-.00086	.38575	.00707	.00773	.07281	.00004
#3	.00008	.38851	.00456	.00818	.07170	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.210**	**.00045**	**.00384**	**.00257**	**.00573**	**1.3179**
Stddev	.286	.00002	.00025	.00035	.00048	.0082
%RSD	.49933	3.8727	6.4013	13.510	8.4371	.62135
#1	57.336	.00046	.00395	.00256	.00553	1.3179
#2	57.411	.00043	.00401	.00223	.00628	1.3260
#3	56.883	.00047	.00356	.00293	.00537	1.3097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1780**	**.03801**	**5.0498**	**.09631**	**.00263**	F **2638.9**
Stddev	.1314	.00064	.0257	.00071	.00023	49.1
%RSD	2.1270	1.6885	.50814	.73416	8.8602	1.8601
#1	6.0314	.03774	5.0790	.09699	.00289	2695.1
#2	6.2851	.03754	5.0307	.09637	.00253	2617.1
#3	6.2177	.03874	5.0398	.09558	.00246	2604.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A@5 Acquired: 11/26/2021 16:42:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00311**	**.00893**	**-.00054**	**.00735**	**.49859**	**-.00084**
Stddev	.00006	.00182	.00106	.00460	.01519	.00098
%RSD	1.9252	20.372	195.80	62.577	3.0459	116.95
#1	.00304	.00985	-.00057	.01137	.51457	-.00018
#2	.00315	.01011	-.00159	.00834	.49684	-.00037
#3	.00315	.00683	.00053	.00233	.48435	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.27472**	**.00625**	**-.00074**	**.00132**	**.31162**
Stddev	.00585	.00015	.00204	.00417	.00050
%RSD	2.1287	2.3265	274.34	316.51	.15891
#1	.26827	.00625	-.00192	.00361	.31138
#2	.27621	.00639	.00161	.00383	.31219
#3	.27968	.00610	-.00192	-.00349	.31129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1552.0**	**3090.8**	**45117.**	**4374.9**
Stddev	1.3	2.3	194.	43.3
%RSD	.08169	.07600	.42931	.99060
#1	1553.3	3089.9	44945.	4345.2
#2	1550.8	3089.1	45079.	4355.0
#3	1551.9	3093.5	45327.	4424.7

Sample Name: 180-130108-C-4-A@10 Acquired: 11/26/2021 16:46:51 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.20278**	**.00451**	**.00382**	**.03658**	**.00005**
Stddev	.00017	.03003	.00157	.00042	.00025	.00008
%RSD	99.346	14.811	34.694	10.983	.69686	171.37
#1	-.00015	.19739	.00592	.00415	.03647	.00004
#2	-.00002	.23514	.00479	.00335	.03639	-.00003
#3	-.00036	.17580	.00283	.00398	.03687	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.305**	**.00025**	**.00267**	**.00084**	**.00148**	**.67473**
Stddev	.078	.00010	.00029	.00048	.00057	.00523
%RSD	.26549	41.516	11.033	57.388	38.677	.77503
#1	29.323	.00030	.00299	.00118	.00190	.66954
#2	29.220	.00031	.00262	.00105	.00083	.67465
#3	29.372	.00013	.00240	.00029	.00170	.68000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2472**	**.01720**	**2.5919**	**.04927**	**.00177**	F **1483.0**
Stddev	.0449	.00162	.0474	.00029	.00012	5.0
%RSD	1.3817	9.4113	1.8289	.58248	7.0244	.33388
#1	3.2360	.01552	2.6228	.04951	.00171	1478.1
#2	3.2091	.01733	2.6155	.04936	.00192	1488.0
#3	3.2967	.01875	2.5373	.04895	.00169	1482.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A@10 Acquired: 11/26/2021 16:46:51 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00430**	**.00054**	**.00062**	**.25699**	**-.00063**
Stddev	.00072	.00262	.00169	.00316	.01457	.00029
%RSD	52.734	60.944	314.19	509.90	5.6701	45.645
#1	.00071	.00728	.00248	-.00141	.24158	-.00079
#2	.00124	.00325	-.00032	-.00099	.25884	-.00030
#3	.00213	.00236	-.00055	.00426	.27055	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.14394**	**.00317**	**-.00057**	**.00474**	**.15931**
Stddev	.01089	.00007	.00030	.00291	.00073
%RSD	7.5682	2.0507	53.227	61.399	.45636
#1	.13365	.00323	-.00042	.00746	.16000
#2	.15535	.00310	-.00092	.00507	.15855
#3	.14282	.00319	-.00037	.00168	.15937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1684.7**	**3234.5**	**47354.**	**4489.9**
Stddev	1.4	4.9	193.	25.7
%RSD	.08085	.15133	.40854	.57195
#1	1684.0	3235.1	47153.	4495.1
#2	1683.7	3239.0	47368.	4512.6
#3	1686.2	3229.3	47540.	4462.1

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:51:39 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96795**	**23.120**	**.47271**	**1.9374**	**1.8805**	**1.8689**
Stddev	.00204	.072	.00507	.0173	.0046	.0029
%RSD	.21071	.31203	1.0724	.89495	.24604	.15260
#1	.96582	23.183	.46996	1.9270	1.8817	1.8667
#2	.96988	23.042	.46961	1.9278	1.8754	1.8679
#3	.96815	23.136	.47856	1.9574	1.8845	1.8721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.904**	**.47736**	**1.9374**	**1.8685**	**1.9041**	**22.877**
Stddev	.162	.00377	.0158	.0034	.0067	.047
%RSD	.34638	.79062	.81479	.18386	.35148	.20572
#1	47.087	.47539	1.9345	1.8656	1.8990	22.922
#2	46.776	.47497	1.9233	1.8723	1.9117	22.882
#3	46.850	.48171	1.9544	1.8676	1.9017	22.828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.76**	**1.9637**	**45.648**	**1.8363**	**1.8254**	F **104.25**
Stddev	.45	.0103	.050	.0017	.0230	.86
%RSD	.39342	.52373	.10873	.09233	1.2582	.82902
#1	113.25	1.9754	45.689	1.8347	1.8102	103.42
#2	113.92	1.9563	45.593	1.8381	1.8141	104.19
#3	114.10	1.9594	45.662	1.8361	1.8518	105.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:51:39 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9399**	**.46948**	**.46571**	**.47806**	**1.8255**	F **1.7798**
Stddev	.0146	.00399	.00576	.00547	.0048	.0127
%RSD	.75295	.84979	1.2359	1.1446	.26419	.71204
#1	1.9367	.47080	.46265	.47241	1.8200	1.7730
#2	1.9271	.46499	.46213	.47845	1.8276	1.7720
#3	1.9558	.47264	.47235	.48333	1.8289	1.7944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8600**	**1.8608**	**.91928**	**1.8603**	**1.8474**
Stddev	.0119	.0019	.00824	.0144	.0150
%RSD	.63850	.10327	.89607	.77496	.81003
#1	1.8681	1.8586	.91519	1.8659	1.8479
#2	1.8464	1.8617	.91388	1.8439	1.8322
#3	1.8656	1.8621	.92876	1.8710	1.8621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1957.4**	**3558.6**	**53979.**	**4687.8**
Stddev	12.3	23.1	53.	11.3
%RSD	.62818	.64781	.09776	.24073
#1	1957.6	3563.5	54029.	4699.4
#2	1969.6	3578.8	53924.	4676.8
#3	1945.1	3533.5	53985.	4687.1

Sample Name: CCB11 Acquired: 11/26/2021 16:56:01 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.01082**	**.00248**	**.00092**	**.00024**	**.00011**
Stddev	.00028	.01358	.00079	.00028	.00038	.00008
%RSD	157.10	125.55	31.812	30.989	154.50	73.023
#1	.00003	.00417	.00183	.00124	.00008	.00017
#2	-.00049	-.01433	.00226	.00076	-.00003	.00013
#3	-.00007	-.02230	.00336	.00074	.00067	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00761**	**-.00001**	**-.00006**	**.00010**	**.00055**	**-.00163**
Stddev	.00302	.00011	.00016	.00027	.00050	.00023
%RSD	39.735	969.80	258.33	270.91	90.973	14.071
#1	-.01015	-.00001	-.00017	.00005	-.00002	-.00164
#2	-.00426	.00010	.00012	-.00014	.00090	-.00185
#3	-.00840	-.00012	-.00013	.00039	.00078	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46608**	**.00075**	**.05297**	**.00006**	**.01525**	**2.2572**
Stddev	.02533	.00131	.02213	.00004	.00200	.0302
%RSD	5.4346	176.03	41.779	62.659	13.120	1.3363
#1	.43732	.00104	.02839	.00009	.01736	2.2886
#2	.48506	-.00069	.07130	.00002	.01500	2.2545
#3	.47587	.00189	.05921	.00008	.01338	2.2285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB11 Acquired: 11/26/2021 16:56:01 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00045**	**.00012**	**.00695**	**.00392**	**-.00115**
Stddev	.00031	.00102	.00187	.00283	.00931	.00022
%RSD	184.83	225.81	1503.5	40.745	237.73	19.467
#1	-.00026	-.00075	-.00078	.00952	.01466	-.00101
#2	-.00043	-.00130	.00228	.00743	-.00123	-.00104
#3	.00018	.00069	-.00112	.00391	-.00168	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.00089**	**.00031**	**.00432**	**.00050**
Stddev	.00480	.00031	.00051	.00151	.00014
%RSD	300.41	34.738	163.68	34.970	27.888
#1	-.00659	.00097	.00001	.00339	.00045
#2	.00300	.00116	.00003	.00350	.00066
#3	-.00121	.00055	.00090	.00606	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.4**	**3697.1**	**56712.**	**4768.3**
Stddev	4.6	4.1	516.	25.5
%RSD	.20222	.11114	.90929	.53547
#1	2270.7	3700.8	57030.	4749.7
#2	2265.6	3697.8	56117.	4757.9
#3	2274.8	3692.7	56990.	4797.4

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 379791 Batch Start Date: 11/23/21 10:00 Batch Analyst: Shannon, Kelly F

Batch Method: 200.7 Batch End Date: 11/23/21 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TA-SPIKE1 00017	TA-SPIKE2 00014	TA-Spike3 INT 00011	AnalysisComment
MB 180-379791/1		200.7, EPA 200.7 Rev 4		50 mL	50 mL				PF
LCS 180-379791/2		200.7, EPA 200.7 Rev 4		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	PF
180-130105-A-1	WG-11201415-1115 21-DT-001	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-2	WG-11201415-1115 21-SG-002	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-3	WG-11201415-1115 21-DT-003	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-4	WG-11201415-1115 21-SG-004	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-5	WG-11201415-1116 21-DT-005	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-6	WG-11201415-1115 21-SG-006	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-7	WG-11201415-1116 21-DT-007	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-8	WG-11201415-1115 21-SG-008	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-9	WG-11201415-1116 21-SG-009	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-10	WG-11201415-1116 21-SG-010	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130105-A-10 MS	WG-11201415-1116 21-SG-010	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
180-130105-A-10 MSD	WG-11201415-1116 21-SG-010	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
180-130105-A-11	WG-11201415-1116 21-SG-011	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130105-1

SDG No.:

Batch Number: 379791 Batch Start Date: 11/23/21 10:00 Batch Analyst: Shannon, Kelly F

Batch Method: 200.7 Batch End Date: 11/23/21 14:00

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2104009-1196
Hot Block ID	HB2
Lot # of Nitric Acid	2 mL 4552049
Lot # of hydrochloric acid	5.0 mL 4554479
Uncorrected Temperature	84 Degrees C
Oven, Bath or Block Temperature 1	84 Degrees C
Uncorrected Temperature 2	84 Degrees C
Oven, Bath or Block Temperature 2	84 Degrees C
Thermometer ID	675512
Thermometer Location ID	B5
Pipette ID	B912397084 B720115069
Batch Comment	Metals A2 plunge filter FISHER 17270325

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

CHAIN OF CUSTODY RECORD

COC NO.: 60334

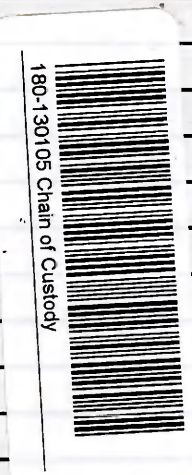
PAGE 1 OF 1

Address: 2055 Niagara Falls Blvd NF NY

Phone: 716-297-6150 Fax:

Project No/ Phase/Task Code: 11201415-60	Laboratory Name: Eurofins Test America	Lab Location:	SSOW ID:
Project Name: CBS Westinghouse GW Sampling	Lab Contact: Jill Colussy	Pittsburgh	Cooler No:
Project Location: Buffalo Airport Genesee Street			Carrier: Fed Ex
GHD Chemistry Contact: Paul McMahon			Airbill No:
Sampler(s): D. Tyran S. Gardner			Total # of Containers: 54

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	Analysis Requested: GW Metals	Analysis Requested: GW VOA	Total Containers/sample	MS/MSD Request	Comments/ Special Instructions:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)						HN	HC			
1	WG-11201415-111521-DT-001	11/15/21	1050	WG	G	N	X	X	4		
2	WG-11201415-111521-SG-002	11/15/21	0925	WG	G	N	X	X	4		
3	WG-11201415-111521-DT-003	11/15/21	1235	WG	G	N	X	X	4		
4	WG-11201415-111521-SG-004	11/15/21	0925	WG	G	N	X	X	4		
5	WG-11201415-111621-DT-005	11/16/21	0915	WG	G	N	X	X	4		
6	WG-11201415-111521-SG-006	11/15/21	1115	WG	G	N	X	X	4		
7	WG-11201415-111621-DT-007	11/16/21	1045	WG	G	N	X	X	4		
8	WG-11201415-111521-SG-008	11/15/21	1230	WG	G	N	X	X	4		
9	WG-11201415-111621-SG-009	11/16/21	1250	WG	G	N	X	X	4		
10	WG-11201415-111621-SG-010	11/16/21	0925	WG	G	N	X	X	12	X	
11	WG-11201415-111621-SG-011	11/16/21	1030	WG	G	N	X	X	4		
12	TB-11201415-111521-DT	11/15/21		TB	G	N		X	2		



TAT Required in business days (use separate COCs for different TATs):

☐ ☐1 Day ☐2 Days ☐3 Days ☐1 Week ☑2 Week

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Dave Tyran	GHD	11/16/21	1423	1.	Eurofins Pitt	11/17/21	1000
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

11/30/2021

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

NA AGCA
WED - 17 NOV 11:30A
PRIORITY OVERNIGHT
15238
PIT
9379 3047 3120
9379 3047 3110
SAMPLE CUSTODIAN
EUROFINS/TEST AMERICA
301 ALPHA DRIVE
PITTSBURGH PA 15238
Uncorrected Temp
Thermometer ID
CF
Initials
FedEx
Part # 154254-354 RIT EXP 12/21
180-130105 Waybill

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 180-130105-1

Login Number: 130105
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins TestAmerica, Pittsburgh

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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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	

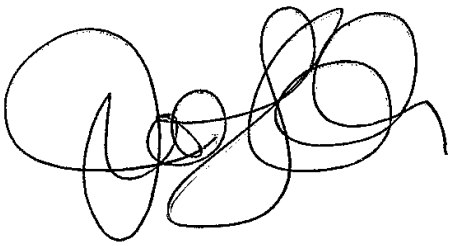
ANALYTICAL REPORT

Job Number: 180-130108-1

Job Description: 0018036 Westinghouse

For:
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Mr. Paul McMahon



Approved for release.
Jill L Colussy
Project Manager I
11/30/2021 3:37 PM

Jill L Colussy, Project Manager I
301 Alpha Drive, Pittsburgh, PA, 15238
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Jill.Colussy@Eurofinset.com
11/30/2021

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

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CASE NARRATIVE

Client: GHD Services Inc.

Project: 0018036 Westinghouse

Report Number: 180-130108-1

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

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 11/17/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 3.0º C and 3.6º C.

VOLATILES
Due to concentration of target compounds detected, samples WS-11201415-111521-SG-004 (180-130108-5) and WS-11201415-111521-SG-008 (180-130108-9) were analyzed at a dilution. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) analyzed in batch 180-379688 was analyzed to establish Internal Standard Area Counts.

CCVIS 180-380033/2 was analyzed to establish Internal Standard Area Counts.

METALS
Sample WS-11201415-111521-SG-002 (180-130108-3 and WS-11201415-111521-SG-003 (180-130108-4) analyzed at a dilution due to matrix interference on the internal standard. The reporting limits have been adjusted accordingly.

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

Sample Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-130108-1	TB-11201415-111521-SG	Water	11/15/21 00:01	11/17/21 10:00
180-130108-2	WS-11201415-111521-SG-001	Water	11/15/21 13:30	11/17/21 10:00
180-130108-3	WS-11201415-111521-SG-002	Water	11/15/21 14:00	11/17/21 10:00
180-130108-4	WS-11201415-111521-SG-003	Water	11/15/21 14:25	11/17/21 10:00
180-130108-5	WS-11201415-111521-SG-004	Water	11/15/21 14:45	11/17/21 10:00
180-130108-6	WS-11201415-111521-SG-005	Water	11/15/21 15:00	11/17/21 10:00
180-130108-7	WS-11201415-111521-SG-006	Water	11/15/21 15:30	11/17/21 10:00
180-130108-8	WS-11201415-111521-SG-007	Water	11/15/21 15:30	11/17/21 10:00
180-130108-9	WS-11201415-111521-SG-008	Water	11/15/21 16:00	11/17/21 10:00
180-130108-10	WS-11201415-111521-SG-009	Water	11/15/21 16:35	11/17/21 10:00
180-130108-11	WS-11201415-111621-SG-010	Water	11/16/21 11:15	11/17/21 10:00
180-130108-12	WS-11201415-111621-SG-011	Water	11/16/21 11:40	11/17/21 10:00

Detection Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

Client Sample ID: TB-11201415-111521-SG — Lab Sample ID: 180-130108-1

No Detections.

Client Sample ID: WS-11201415-111521-SG-001 — Lab Sample ID: 180-130108-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.3		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Tetrachloroethene	1.8		1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	8.2		1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	0.54	J	1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Cadmium	0.41	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Chromium	12		5.0	2.6	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Lead	19		10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	69		1.0	1.0	mg/L	1		SM 2540D	Total/NA
pH	9.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	23.3	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-002 — Lab Sample ID: 180-130108-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	20		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.5	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-003 — Lab Sample ID: 180-130108-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.3	J	25	1.7	ug/L	5		EPA 200.7 Rev 4	Total Recoverable
Chromium	13	J	25	13	ug/L	5		EPA 200.7 Rev 4	Total Recoverable
Lead	45	J	50	11	ug/L	5		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	270		2.5	2.5	mg/L	1		SM 2540D	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.9	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-004 — Lab Sample ID: 180-130108-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	71	E	1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	0.53	J	1.0	0.40	ug/L	1		EPA 624.1	Total/NA
cis-1,2-Dichloroethene - DL	10		10	7.1	ug/L	10		EPA 624.1	Total/NA
Trichloroethene - DL	81		10	6.9	ug/L	10		EPA 624.1	Total/NA
Cadmium	0.38	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	1.7		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.9	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

Client Sample ID: WS-11201415-111521-SG-005 — Lab Sample ID: 180-130108-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.3		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Tetrachloroethene	2.1		1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	9.9		1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	0.57	J	1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Chromium	3.1	J	5.0	2.6	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	82		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	9.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.0	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-006 — Lab Sample ID: 180-130108-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.4		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Tetrachloroethene	3.9		1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	14		1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	1.3		1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Cadmium	0.37	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Chromium	7.8		5.0	2.6	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Lead	15		10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	150		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	9.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.9	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-007 — Lab Sample ID: 180-130108-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.6		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Tetrachloroethene	4.9		1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	18		1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	1.7		1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Cadmium	0.44	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Chromium	13		5.0	2.6	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Lead	17		10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	440		1.3	1.3	mg/L	1		SM 2540D	Total/NA
pH	9.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.6	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-008 — Lab Sample ID: 180-130108-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Tetrachloroethene	0.95	J	1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Trichloroethene	87	E	1.0	0.69	ug/L	1		EPA 624.1	Total/NA
Vinyl chloride	1.1		1.0	0.40	ug/L	1		EPA 624.1	Total/NA
Methylene Chloride - DL	9.0	J	10	8.9	ug/L	10		EPA 624.1	Total/NA
Trichloroethene - DL	60		10	6.9	ug/L	10		EPA 624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WS-11201415-111521-SG-008 (Continued) — Lab Sample ID: 180-130108-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	5.9		5.0	2.6	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Lead	4.9	J	10	2.3	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	94		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.6	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.7	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111521-SG-009 — Lab Sample ID: 180-130108-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.48	J	1.0	0.47	ug/L	1		EPA 624.1	Total/NA
Cadmium	1.2	J	5.0	0.33	ug/L	1		EPA 200.7 Rev 4	Total Recoverable
Total Suspended Solids	9.1		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.3	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111621-SG-010 — Lab Sample ID: 180-130108-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.80	J	1.0	0.71	ug/L	1		EPA 624.1	Total/NA
Total Suspended Solids	2.7		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.3	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: WS-11201415-111621-SG-011 — Lab Sample ID: 180-130108-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	4.2		0.50	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.2	HF	0.1	0.1	Degrees C	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: GHD Services Inc.
Job ID: 180-130108-1
Project/Site: 0018036 Westinghouse

Method	Method Description	Protocol	Laboratory
EPA 624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PIT
EPA 200.7 Rev 4	Metals (ICP)	EPA	TAL PIT
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL PIT
SM 4500 H+ B	pH	SM	TAL PIT
200.7	Preparation, Total Recoverable Metals	EPA	TAL PIT

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-11201415-111521-SG
Lab Sample ID: 180-130108-1
Date Collected: 11/15/21 00:01
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/26/21 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 15:02	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/26/21 15:02	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/26/21 15:02	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 15:02	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 15:02	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*28 - 163*		*11/26/21 15:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*41 - 122*		*11/26/21 15:02*	*1*
Toluene-d8 (Surr)	*102*		*53 - 125*		*11/26/21 15:02*	*1*
Dibromofluoromethane (Surr)	*137*		*59 - 168*		*11/26/21 15:02*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-001
Lab Sample ID: 180-130108-2
Date Collected: 11/15/21 13:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/23/21 00:45	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.71	ug/L			11/23/21 00:45	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/23/21 00:45	1
Tetrachloroethene	**1.8**		1.0	0.47	ug/L			11/23/21 00:45	1
Toluene	ND		1.0	0.46	ug/L			11/23/21 00:45	1
Trichloroethene	**8.2**		1.0	0.69	ug/L			11/23/21 00:45	1
Vinyl chloride	**0.54**	**J**	1.0	0.40	ug/L			11/23/21 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*28 - 163*		*11/23/21 00:45*	*1*
4-Bromofluorobenzene (Surr)	*57*		*41 - 122*		*11/23/21 00:45*	*1*
Toluene-d8 (Surr)	*88*		*53 - 125*		*11/23/21 00:45*	*1*
Dibromofluoromethane (Surr)	*99*		*59 - 168*		*11/23/21 00:45*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-002
Lab Sample ID: 180-130108-3
Date Collected: 11/15/21 14:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 18:08	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/24/21 18:08	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 18:08	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/24/21 18:08	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 18:08	1
Trichloroethene	ND		1.0	0.69	ug/L			11/24/21 18:08	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/24/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*28 - 163*		*11/24/21 18:08*	*1*
4-Bromofluorobenzene (Surr)	*63*		*41 - 122*		*11/24/21 18:08*	*1*
Toluene-d8 (Surr)	*104*		*53 - 125*		*11/24/21 18:08*	*1*
Dibromofluoromethane (Surr)	*109*		*59 - 168*		*11/24/21 18:08*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-003
Lab Sample ID: 180-130108-4
Date Collected: 11/15/21 14:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 19:37	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/24/21 19:37	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 19:37	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/24/21 19:37	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 19:37	1
Trichloroethene	ND		1.0	0.69	ug/L			11/24/21 19:37	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/24/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*28 - 163*		*11/24/21 19:37*	*1*
4-Bromofluorobenzene (Surr)	*61*		*41 - 122*		*11/24/21 19:37*	*1*
Toluene-d8 (Surr)	*96*		*53 - 125*		*11/24/21 19:37*	*1*
Dibromofluoromethane (Surr)	*97*		*59 - 168*		*11/24/21 19:37*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-004
Lab Sample ID: 180-130108-5
Date Collected: 11/15/21 14:45
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 20:07	1
cis-1,2-Dichloroethene	**6.2**		1.0	0.71	ug/L			11/24/21 20:07	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 20:07	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/24/21 20:07	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 20:07	1
Trichloroethene	**71**	**E**	1.0	0.69	ug/L			11/24/21 20:07	1
Vinyl chloride	**0.53**	**J**	1.0	0.40	ug/L			11/24/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*28 - 163*		*11/24/21 20:07*	*1*
4-Bromofluorobenzene (Surr)	*61*		*41 - 122*		*11/24/21 20:07*	*1*
Toluene-d8 (Surr)	*102*		*53 - 125*		*11/24/21 20:07*	*1*
Dibromofluoromethane (Surr)	*103*		*59 - 168*		*11/24/21 20:07*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-005
Lab Sample ID: 180-130108-6
Date Collected: 11/15/21 15:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/27/21 23:54	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.71	ug/L			11/27/21 23:54	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/27/21 23:54	1
Tetrachloroethene	**2.1**		1.0	0.47	ug/L			11/27/21 23:54	1
Toluene	ND		1.0	0.46	ug/L			11/27/21 23:54	1
Trichloroethene	**9.9**		1.0	0.69	ug/L			11/27/21 23:54	1
Vinyl chloride	**0.57**	**J**	1.0	0.40	ug/L			11/27/21 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*60*		*28 - 163*		*11/27/21 23:54*	*1*
4-Bromofluorobenzene (Surr)	*61*		*41 - 122*		*11/27/21 23:54*	*1*
Toluene-d8 (Surr)	*97*		*53 - 125*		*11/27/21 23:54*	*1*
Dibromofluoromethane (Surr)	*95*		*59 - 168*		*11/27/21 23:54*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-006
Lab Sample ID: 180-130108-7
Date Collected: 11/15/21 15:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 21:06	1
cis-1,2-Dichloroethene	**7.4**		1.0	0.71	ug/L			11/24/21 21:06	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 21:06	1
Tetrachloroethene	**3.9**		1.0	0.47	ug/L			11/24/21 21:06	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 21:06	1
Trichloroethene	**14**		1.0	0.69	ug/L			11/24/21 21:06	1
Vinyl chloride	**1.3**		1.0	0.40	ug/L			11/24/21 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*28 - 163*		*11/24/21 21:06*	*1*
4-Bromofluorobenzene (Surr)	*62*		*41 - 122*		*11/24/21 21:06*	*1*
Toluene-d8 (Surr)	*101*		*53 - 125*		*11/24/21 21:06*	*1*
Dibromofluoromethane (Surr)	*110*		*59 - 168*		*11/24/21 21:06*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-007
Lab Sample ID: 180-130108-8
Date Collected: 11/15/21 15:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 21:36	1
cis-1,2-Dichloroethene	**9.6**		1.0	0.71	ug/L			11/24/21 21:36	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 21:36	1
Tetrachloroethene	**4.9**		1.0	0.47	ug/L			11/24/21 21:36	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 21:36	1
Trichloroethene	**18**		1.0	0.69	ug/L			11/24/21 21:36	1
Vinyl chloride	**1.7**		1.0	0.40	ug/L			11/24/21 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*28 - 163*		*11/24/21 21:36*	*1*
4-Bromofluorobenzene (Surr)	*63*		*41 - 122*		*11/24/21 21:36*	*1*
Toluene-d8 (Surr)	*104*		*53 - 125*		*11/24/21 21:36*	*1*
Dibromofluoromethane (Surr)	*113*		*59 - 168*		*11/24/21 21:36*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-008
Lab Sample ID: 180-130108-9
Date Collected: 11/15/21 16:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 22:05	1
cis-1,2-Dichloroethene	**11**		1.0	0.71	ug/L			11/24/21 22:05	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 22:05	1
Tetrachloroethene	**0.95**	**J**	1.0	0.47	ug/L			11/24/21 22:05	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 22:05	1
Trichloroethene	**87**	**E**	1.0	0.69	ug/L			11/24/21 22:05	1
Vinyl chloride	**1.1**		1.0	0.40	ug/L			11/24/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*28 - 163*		*11/24/21 22:05*	*1*
4-Bromofluorobenzene (Surr)	*57*		*41 - 122*		*11/24/21 22:05*	*1*
Toluene-d8 (Surr)	*99*		*53 - 125*		*11/24/21 22:05*	*1*
Dibromofluoromethane (Surr)	*101*		*59 - 168*		*11/24/21 22:05*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111521-SG-009
Lab Sample ID: 180-130108-10
Date Collected: 11/15/21 16:35
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 22:35	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/24/21 22:35	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 22:35	1
Tetrachloroethene	**0.48**	**J**	1.0	0.47	ug/L			11/24/21 22:35	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 22:35	1
Trichloroethene	ND		1.0	0.69	ug/L			11/24/21 22:35	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/24/21 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*71*		*28 - 163*		*11/24/21 22:35*	*1*
4-Bromofluorobenzene (Surr)	*56*		*41 - 122*		*11/24/21 22:35*	*1*
Toluene-d8 (Surr)	*92*		*53 - 125*		*11/24/21 22:35*	*1*
Dibromofluoromethane (Surr)	*105*		*59 - 168*		*11/24/21 22:35*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111621-SG-010
Lab Sample ID: 180-130108-11
Date Collected: 11/16/21 11:15
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/26/21 22:28	1
cis-1,2-Dichloroethene	**0.80**	**J**	1.0	0.71	ug/L			11/26/21 22:28	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/26/21 22:28	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/26/21 22:28	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 22:28	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 22:28	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*62*		*28 - 163*		*11/26/21 22:28*	*1*
4-Bromofluorobenzene (Surr)	*62*		*41 - 122*		*11/26/21 22:28*	*1*
Toluene-d8 (Surr)	*95*		*53 - 125*		*11/26/21 22:28*	*1*
Dibromofluoromethane (Surr)	*100*		*59 - 168*		*11/26/21 22:28*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WS-11201415-111621-SG-011
Lab Sample ID: 180-130108-12
Date Collected: 11/16/21 11:40
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/26/21 22:58	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 22:58	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/26/21 22:58	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/26/21 22:58	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 22:58	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 22:58	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*65*		*28 - 163*		*11/26/21 22:58*	*1*
4-Bromofluorobenzene (Surr)	*62*		*41 - 122*		*11/26/21 22:58*	*1*
Toluene-d8 (Surr)	*97*		*53 - 125*		*11/26/21 22:58*	*1*
Dibromofluoromethane (Surr)	*105*		*59 - 168*		*11/26/21 22:58*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) - DL

Client Sample ID: WS-11201415-111521-SG-004
Lab Sample ID: 180-130108-5
Date Collected: 11/15/21 14:45
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		10	3.6	ug/L			11/28/21 00:24	10
cis-1,2-Dichloroethene	**10**		10	7.1	ug/L			11/28/21 00:24	10
Methylene Chloride	ND		10	8.9	ug/L			11/28/21 00:24	10
Tetrachloroethene	ND		10	4.7	ug/L			11/28/21 00:24	10
Toluene	ND		10	4.6	ug/L			11/28/21 00:24	10
Trichloroethene	**81**		10	6.9	ug/L			11/28/21 00:24	10
Vinyl chloride	ND		10	4.0	ug/L			11/28/21 00:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*64*		*28 - 163*		*11/28/21 00:24*	*10*
4-Bromofluorobenzene (Surr)	*63*		*41 - 122*		*11/28/21 00:24*	*10*
Toluene-d8 (Surr)	*94*		*53 - 125*		*11/28/21 00:24*	*10*
Dibromofluoromethane (Surr)	*99*		*59 - 168*		*11/28/21 00:24*	*10*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) - DL

Client Sample ID: WS-11201415-111521-SG-008
Lab Sample ID: 180-130108-9
Date Collected: 11/15/21 16:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		10	3.6	ug/L			11/28/21 00:53	10
cis-1,2-Dichloroethene	ND		10	7.1	ug/L			11/28/21 00:53	10
Methylene Chloride	**9.0**	**J**	10	8.9	ug/L			11/28/21 00:53	10
Tetrachloroethene	ND		10	4.7	ug/L			11/28/21 00:53	10
Toluene	ND		10	4.6	ug/L			11/28/21 00:53	10
Trichloroethene	**60**		10	6.9	ug/L			11/28/21 00:53	10
Vinyl chloride	ND		10	4.0	ug/L			11/28/21 00:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*		*28 - 163*		*11/28/21 00:53*	*10*
4-Bromofluorobenzene (Surr)	*68*		*41 - 122*		*11/28/21 00:53*	*10*
Toluene-d8 (Surr)	*105*		*53 - 125*		*11/28/21 00:53*	*10*
Dibromofluoromethane (Surr)	*115*		*59 - 168*		*11/28/21 00:53*	*10*

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-001
Lab Sample ID: 180-130108-2
Date Collected: 11/15/21 13:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J	5.0	0.33	ug/L		11/23/21 10:00	11/24/21 15:54	1
Chromium	12		5.0	2.6	ug/L		11/23/21 10:00	11/24/21 15:54	1
Lead	19		10	2.3	ug/L		11/23/21 10:00	11/24/21 15:54	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-002 **Lab Sample ID: 180-130108-3**
Date Collected: 11/15/21 14:00 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		25	1.7	ug/L		11/23/21 10:00	11/26/21 16:23	5
Chromium	ND		25	13	ug/L		11/23/21 10:00	11/26/21 16:23	5
Lead	ND		50	11	ug/L		11/23/21 10:00	11/26/21 16:23	5

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-003
Lab Sample ID: 180-130108-4
Date Collected: 11/15/21 14:25
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.3	J	25	1.7	ug/L		11/23/21 10:00	11/26/21 16:42	5
Chromium	13	J	25	13	ug/L		11/23/21 10:00	11/26/21 16:42	5
Lead	45	J	50	11	ug/L		11/23/21 10:00	11/26/21 16:42	5

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-004 **Lab Sample ID: 180-130108-5**
Date Collected: 11/15/21 14:45 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.38**	**J**	5.0	0.33	ug/L		11/23/21 12:15	11/24/21 16:50	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 16:50	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 16:50	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-005
Lab Sample ID: 180-130108-6
Date Collected: 11/15/21 15:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:17	1
Chromium	**3.1**	**J**	5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:17	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:17	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-006
Lab Sample ID: 180-130108-7
Date Collected: 11/15/21 15:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.37	J	5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:22	1
Chromium	7.8		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:22	1
Lead	15		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:22	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-007
Lab Sample ID: 180-130108-8
Date Collected: 11/15/21 15:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.44	J	5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:27	1
Chromium	13		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:27	1
Lead	17		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:27	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-008
Lab Sample ID: 180-130108-9
Date Collected: 11/15/21 16:00
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:31	1
Chromium	**5.9**		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:31	1
Lead	**4.9**	**J**	10	2.3	ug/L		11/23/21 12:15	11/24/21 17:31	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111521-SG-009
Lab Sample ID: 180-130108-10
Date Collected: 11/15/21 16:35
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.2**	**J**	5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:36	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:36	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:36	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111621-SG-010 **Lab Sample ID: 180-130108-11**
Date Collected: 11/16/21 11:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:41	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:41	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:41	1

Method: EPA 200.7 Rev 4 - Metals (ICP) - Total Recoverable

Client Sample ID: WS-11201415-111621-SG-011
Lab Sample ID: 180-130108-12
Date Collected: 11/16/21 11:40
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 12:15	11/24/21 17:46	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 17:46	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 17:46	1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-001
Lab Sample ID: 180-130108-2
Date Collected: 11/15/21 13:30
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	69		1.0	1.0	mg/L			11/18/21 08:35	1
pH	9.2	HF	0.1	0.1	SU			11/20/21 11:22	1
Temperature	23.3	HF	0.1	0.1	Degrees C			11/20/21 11:22	1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-002 **Lab Sample ID: 180-130108-3**
Date Collected: 11/15/21 14:00 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	20		0.50	0.50	mg/L			11/18/21 08:35	1
pH	8.1	HF	0.1	0.1	SU			11/20/21 11:24	1
Temperature	22.5	HF	0.1	0.1	Degrees C			11/20/21 11:24	1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-003 **Lab Sample ID: 180-130108-4**
Date Collected: 11/15/21 14:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	270		2.5	2.5	mg/L			11/18/21 08:35	1
pH	7.9	HF	0.1	0.1	SU			11/20/21 11:26	1
Temperature	21.9	HF	0.1	0.1	Degrees C			11/20/21 11:26	1

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-004
Date Collected: 11/15/21 14:45
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130108-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.7		0.50	0.50	mg/L			11/18/21 08:35	1
pH	8.2	HF	0.1	0.1	SU			11/20/21 11:28	1
Temperature	22.9	HF	0.1	0.1	Degrees C			11/20/21 11:28	1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-005 **Lab Sample ID: 180-130108-6**
Date Collected: 11/15/21 15:00 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	82		0.50	0.50	mg/L			11/18/21 08:35	1
pH	9.5	HF	0.1	0.1	SU			11/20/21 11:31	1
Temperature	22.0	HF	0.1	0.1	Degrees C			11/20/21 11:31	1

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-006
Date Collected: 11/15/21 15:30
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130108-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	150		0.50	0.50	mg/L			11/18/21 10:11	1
pH	9.1	HF	0.1	0.1	SU			11/20/21 11:35	1
Temperature	21.9	HF	0.1	0.1	Degrees C			11/20/21 11:35	1

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-007
Date Collected: 11/15/21 15:30
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130108-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	440		1.3	1.3	mg/L			11/18/21 10:11	1
pH	9.3	HF	0.1	0.1	SU			11/20/21 11:37	1
Temperature	21.6	HF	0.1	0.1	Degrees C			11/20/21 11:37	1

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-008
Date Collected: 11/15/21 16:00
Date Received: 11/17/21 10:00

Lab Sample ID: 180-130108-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	94		0.50	0.50	mg/L			11/18/21 10:11	1
pH	8.6	HF	0.1	0.1	SU			11/20/21 11:39	1
Temperature	21.7	HF	0.1	0.1	Degrees C			11/20/21 11:39	1

General Chemistry

Client Sample ID: WS-11201415-111521-SG-009 **Lab Sample ID: 180-130108-10**
Date Collected: 11/15/21 16:35 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	9.1		0.50	0.50	mg/L			11/18/21 10:11	1
pH	7.9	HF	0.1	0.1	SU			11/20/21 11:40	1
Temperature	21.3	HF	0.1	0.1	Degrees C			11/20/21 11:40	1

General Chemistry

Client Sample ID: WS-11201415-111621-SG-010 **Lab Sample ID: 180-130108-11**
Date Collected: 11/16/21 11:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.7		0.50	0.50	mg/L			11/18/21 10:11	1
pH	8.2	HF	0.1	0.1	SU			11/20/21 11:42	1
Temperature	21.3	HF	0.1	0.1	Degrees C			11/20/21 11:42	1

General Chemistry

Client Sample ID: WS-11201415-111621-SG-011
Lab Sample ID: 180-130108-12
Date Collected: 11/16/21 11:40
Matrix: Water
Date Received: 11/17/21 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.2		0.50	0.50	mg/L			11/18/21 10:11	1
pH	8.1	HF	0.1	0.1	SU			11/20/21 11:44	1
Temperature	21.2	HF	0.1	0.1	Degrees C			11/20/21 11:44	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 0018036 Westinghouse

Job ID: 180-130108-1

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(28-163)	(41-122)	(53-125)	(59-168)
180-130108-1	TB-11201415-111521-SG	122	96	102	137
180-130108-2	WS-11201415-111521-SG-001	73	57	88	99
180-130108-2 MS	WS-11201415-111521-SG-001	64	83	94	87
180-130108-2 MSD	WS-11201415-111521-SG-001	63	80	91	88
180-130108-3	WS-11201415-111521-SG-002	82	63	104	109
180-130108-3 MS	WS-11201415-111521-SG-002	67	93	102	95
180-130108-3 MSD	WS-11201415-111521-SG-002	73	92	103	95
180-130108-4	WS-11201415-111521-SG-003	73	61	96	97
180-130108-5	WS-11201415-111521-SG-004	74	61	102	103
180-130108-5 - DL	WS-11201415-111521-SG-004	64	63	94	99
180-130108-6	WS-11201415-111521-SG-005	60	61	97	95
180-130108-7	WS-11201415-111521-SG-006	79	62	101	110
180-130108-8	WS-11201415-111521-SG-007	78	63	104	113
180-130108-9	WS-11201415-111521-SG-008	74	57	99	101
180-130108-9 - DL	WS-11201415-111521-SG-008	73	68	105	115
180-130108-10	WS-11201415-111521-SG-009	71	56	92	105
180-130108-11	WS-11201415-111621-SG-010	62	62	95	100
180-130108-12	WS-11201415-111621-SG-011	65	62	97	105
LCS 180-379688/3	Lab Control Sample	108	90	89	105
LCS 180-380033/3	Lab Control Sample	119	105	114	121
LCS 180-380188/3	Lab Control Sample	88	86	90	100
LCS 180-380301/1004	Lab Control Sample	85	89	94	100
MB 180-379688/6	Method Blank	109	85	98	111
MB 180-380033/8	Method Blank	96	72	88	100
MB 180-380188/5	Method Blank	90	79	84	108
MB 180-380301/7	Method Blank	92	65	72	107

Surrogate Legend

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

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-379688/6
Matrix: Water
Analysis Batch: 379688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/22/21 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/22/21 14:44	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/22/21 14:44	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/22/21 14:44	1
Toluene	ND		1.0	0.46	ug/L			11/22/21 14:44	1
Trichloroethene	ND		1.0	0.69	ug/L			11/22/21 14:44	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/22/21 14:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*28 - 163*		*11/22/21 14:44*	*1*
4-Bromofluorobenzene (Surr)	*85*		*41 - 122*		*11/22/21 14:44*	*1*
Toluene-d8 (Surr)	*98*		*53 - 125*		*11/22/21 14:44*	*1*
Dibromofluoromethane (Surr)	*111*		*59 - 168*		*11/22/21 14:44*	*1*

Lab Sample ID: LCS 180-379688/3
Matrix: Water
Analysis Batch: 379688

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dichlorobenzene			10.0	9.32		ug/L		93	65 - 135		
cis-1,2-Dichloroethene			10.0	9.95		ug/L		100	67 - 124		
Methylene Chloride			10.0	10.7		ug/L		107	60 - 140		
Tetrachloroethene			10.0	8.33		ug/L		83	70 - 130		
Toluene			10.0	9.39		ug/L		94	70 - 130		
Trichloroethene			10.0	9.19		ug/L		92	65 - 135		
Vinyl chloride			10.0	9.11		ug/L		91	10 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*28 - 163*
4-Bromofluorobenzene (Surr)	*90*		*41 - 122*
Toluene-d8 (Surr)	*89*		*53 - 125*
Dibromofluoromethane (Surr)	*105*		*59 - 168*

Lab Sample ID: 180-130108-2 MS
Matrix: Water
Analysis Batch: 379688

Client Sample ID: WS-11201415-111521-SG-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dichlorobenzene	ND		10.0	9.51		ug/L		95	18 - 170		
cis-1,2-Dichloroethene	4.3		10.0	14.2		ug/L		99	59 - 135		
Methylene Chloride	ND		10.0	9.83		ug/L		98	10 - 170		
Tetrachloroethene	1.8		10.0	13.0		ug/L		112	64 - 148		
Toluene	ND		10.0	11.3		ug/L		113	47 - 150		
Trichloroethene	8.2		10.0	17.9		ug/L		97	70 - 157		
Vinyl chloride	0.54	J	10.0	11.3		ug/L		108	10 - 170		

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-130108-2 MS
Matrix: Water
Analysis Batch: 379688

Client Sample ID: WS-11201415-111521-SG-001
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*64*		*28 - 163*
4-Bromofluorobenzene (Surr)	*83*		*41 - 122*
Toluene-d8 (Surr)	*94*		*53 - 125*
Dibromofluoromethane (Surr)	*87*		*59 - 168*

Lab Sample ID: 180-130108-2 MSD
Matrix: Water
Analysis Batch: 379688

Client Sample ID: WS-11201415-111521-SG-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	ND		10.0	10.1		ug/L		101	18 - 170	6	35
cis-1,2-Dichloroethene	4.3		10.0	15.6		ug/L		113	59 - 135	10	30
Methylene Chloride	ND		10.0	10.1		ug/L		101	10 - 170	3	35
Tetrachloroethene	1.8		10.0	12.9		ug/L		110	64 - 148	1	35
Toluene	ND		10.0	11.6		ug/L		116	47 - 150	3	35
Trichloroethene	8.2		10.0	18.8		ug/L		105	70 - 157	5	31
Vinyl chloride	0.54	J	10.0	12.0		ug/L		115	10 - 170	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*63*		*28 - 163*
4-Bromofluorobenzene (Surr)	*80*		*41 - 122*
Toluene-d8 (Surr)	*91*		*53 - 125*
Dibromofluoromethane (Surr)	*88*		*59 - 168*

Lab Sample ID: MB 180-380033/8
Matrix: Water
Analysis Batch: 380033

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/24/21 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/24/21 13:13	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/24/21 13:13	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/24/21 13:13	1
Toluene	ND		1.0	0.46	ug/L			11/24/21 13:13	1
Trichloroethene	ND		1.0	0.69	ug/L			11/24/21 13:13	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/24/21 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*28 - 163*		*11/24/21 13:13*	*1*
4-Bromofluorobenzene (Surr)	*72*		*41 - 122*		*11/24/21 13:13*	*1*
Toluene-d8 (Surr)	*88*		*53 - 125*		*11/24/21 13:13*	*1*
Dibromofluoromethane (Surr)	*100*		*59 - 168*		*11/24/21 13:13*	*1*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-380033/3
Matrix: Water
Analysis Batch: 380033

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	9.84		ug/L		98	65 - 135
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	67 - 124
Methylene Chloride	10.0	11.0		ug/L		110	60 - 140
Tetrachloroethene	10.0	10.5		ug/L		105	70 - 130
Toluene	10.0	10.4		ug/L		104	70 - 130
Trichloroethene	10.0	9.31		ug/L		93	65 - 135
Vinyl chloride	10.0	10.7		ug/L		107	10 - 170

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*28 - 163*
4-Bromofluorobenzene (Surr)	*105*		*41 - 122*
Toluene-d8 (Surr)	*114*		*53 - 125*
Dibromofluoromethane (Surr)	*121*		*59 - 168*

Lab Sample ID: 180-130108-3 MS
Matrix: Water
Analysis Batch: 380033

Client Sample ID: WS-11201415-111521-SG-002
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	ND		10.0	10.7		ug/L		107	18 - 170
cis-1,2-Dichloroethene	ND		10.0	11.2		ug/L		112	59 - 135
Methylene Chloride	ND		10.0	11.7		ug/L		117	10 - 170
Tetrachloroethene	ND		10.0	12.9		ug/L		129	64 - 148
Toluene	ND		10.0	12.5		ug/L		125	47 - 150
Trichloroethene	ND		10.0	11.8		ug/L		118	70 - 157
Vinyl chloride	ND		10.0	13.1		ug/L		131	10 - 170

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*67*		*28 - 163*
4-Bromofluorobenzene (Surr)	*93*		*41 - 122*
Toluene-d8 (Surr)	*102*		*53 - 125*
Dibromofluoromethane (Surr)	*95*		*59 - 168*

Lab Sample ID: 180-130108-3 MSD
Matrix: Water
Analysis Batch: 380033

Client Sample ID: WS-11201415-111521-SG-002
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	ND		10.0	10.4		ug/L		104	18 - 170	3	35
cis-1,2-Dichloroethene	ND		10.0	10.4		ug/L		104	59 - 135	7	30
Methylene Chloride	ND		10.0	10.8		ug/L		108	10 - 170	9	35
Tetrachloroethene	ND		10.0	11.7		ug/L		117	64 - 148	10	35
Toluene	ND		10.0	11.6		ug/L		116	47 - 150	7	35
Trichloroethene	ND		10.0	10.8		ug/L		108	70 - 157	9	31
Vinyl chloride	ND		10.0	11.6		ug/L		116	10 - 170	13	35

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-130108-3 MSD
Matrix: Water
Analysis Batch: 380033

Client Sample ID: WS-11201415-111521-SG-002
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*73*		*28 - 163*
4-Bromofluorobenzene (Surr)	*92*		*41 - 122*
Toluene-d8 (Surr)	*103*		*53 - 125*
Dibromofluoromethane (Surr)	*95*		*59 - 168*

Lab Sample ID: MB 180-380188/5
Matrix: Water
Analysis Batch: 380188

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/26/21 14:33	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/26/21 14:33	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/26/21 14:33	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/26/21 14:33	1
Toluene	ND		1.0	0.46	ug/L			11/26/21 14:33	1
Trichloroethene	ND		1.0	0.69	ug/L			11/26/21 14:33	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/26/21 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*28 - 163*		*11/26/21 14:33*	*1*
4-Bromofluorobenzene (Surr)	*79*		*41 - 122*		*11/26/21 14:33*	*1*
Toluene-d8 (Surr)	*84*		*53 - 125*		*11/26/21 14:33*	*1*
Dibromofluoromethane (Surr)	*108*		*59 - 168*		*11/26/21 14:33*	*1*

Lab Sample ID: LCS 180-380188/3
Matrix: Water
Analysis Batch: 380188

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	8.77		ug/L		88	65 - 135
cis-1,2-Dichloroethene	10.0	8.67		ug/L		87	67 - 124
Methylene Chloride	10.0	8.78		ug/L		88	60 - 140
Tetrachloroethene	10.0	7.27		ug/L		73	70 - 130
Toluene	10.0	8.52		ug/L		85	70 - 130
Trichloroethene	10.0	7.74		ug/L		77	65 - 135
Vinyl chloride	10.0	7.29		ug/L		73	10 - 170

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*28 - 163*
4-Bromofluorobenzene (Surr)	*86*		*41 - 122*
Toluene-d8 (Surr)	*90*		*53 - 125*
Dibromofluoromethane (Surr)	*100*		*59 - 168*

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-380301/7
Matrix: Water
Analysis Batch: 380301

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.36	ug/L			11/27/21 16:28	1
cis-1,2-Dichloroethene	ND		1.0	0.71	ug/L			11/27/21 16:28	1
Methylene Chloride	ND		1.0	0.89	ug/L			11/27/21 16:28	1
Tetrachloroethene	ND		1.0	0.47	ug/L			11/27/21 16:28	1
Toluene	ND		1.0	0.46	ug/L			11/27/21 16:28	1
Trichloroethene	ND		1.0	0.69	ug/L			11/27/21 16:28	1
Vinyl chloride	ND		1.0	0.40	ug/L			11/27/21 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*28 - 163*		*11/27/21 16:28*	*1*
4-Bromofluorobenzene (Surr)	*65*		*41 - 122*		*11/27/21 16:28*	*1*
Toluene-d8 (Surr)	*72*		*53 - 125*		*11/27/21 16:28*	*1*
Dibromofluoromethane (Surr)	*107*		*59 - 168*		*11/27/21 16:28*	*1*

Lab Sample ID: LCS 180-380301/1004
Matrix: Water
Analysis Batch: 380301

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dichlorobenzene			10.0	9.47		ug/L		95	65 - 135		
cis-1,2-Dichloroethene			10.0	9.65		ug/L		97	67 - 124		
Methylene Chloride			10.0	9.59		ug/L		96	60 - 140		
Tetrachloroethene			10.0	8.89		ug/L		89	70 - 130		
Toluene			10.0	9.81		ug/L		98	70 - 130		
Trichloroethene			10.0	8.91		ug/L		89	65 - 135		
Vinyl chloride			10.0	9.66		ug/L		97	10 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*28 - 163*
4-Bromofluorobenzene (Surr)	*89*		*41 - 122*
Toluene-d8 (Surr)	*94*		*53 - 125*
Dibromofluoromethane (Surr)	*100*		*59 - 168*

Method: EPA 200.7 Rev 4 - Metals (ICP)

Lab Sample ID: MB 180-379791/1-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 10:00	11/24/21 14:31	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 10:00	11/24/21 14:31	1
Lead	ND		10	2.3	ug/L		11/23/21 10:00	11/24/21 14:31	1

Method: EPA 200.7 Rev 4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-379791/2-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			500	533		ug/L		107	85 - 115		
Chromium			500	504		ug/L		101	85 - 115		
Lead			500	519		ug/L		104	85 - 115		

Lab Sample ID: 180-130108-3 MS
Matrix: Water
Analysis Batch: 380326

Client Sample ID: WS-11201415-111521-SG-002
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	ND		500	523		ug/L		105	70 - 130		
Chromium	ND		500	486		ug/L		97	70 - 130		
Lead	ND		500	480		ug/L		96	70 - 130		

Lab Sample ID: 180-130108-3 MSD
Matrix: Water
Analysis Batch: 380326

Client Sample ID: WS-11201415-111521-SG-002
Prep Type: Total Recoverable
Prep Batch: 379791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		500	519		ug/L		104	70 - 130	1	20
Chromium	ND		500	470		ug/L		94	70 - 130	3	20
Lead	ND		500	476		ug/L		95	70 - 130	1	20

Lab Sample ID: MB 180-379972/1-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 379972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.33	ug/L		11/23/21 12:15	11/24/21 16:41	1
Chromium	ND		5.0	2.6	ug/L		11/23/21 12:15	11/24/21 16:41	1
Lead	ND		10	2.3	ug/L		11/23/21 12:15	11/24/21 16:41	1

Lab Sample ID: LCS 180-379972/2-A
Matrix: Water
Analysis Batch: 380176

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 379972

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			500	533		ug/L		107	85 - 115		
Chromium			500	490		ug/L		98	85 - 115		
Lead			500	505		ug/L		101	85 - 115		

Lab Sample ID: 180-130108-5 MS
Matrix: Water
Analysis Batch: 380176

Client Sample ID: WS-11201415-111521-SG-004
Prep Type: Total Recoverable
Prep Batch: 379972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	0.38	J	500	536		ug/L		107	70 - 130		
Chromium	ND		500	490		ug/L		98	70 - 130		
Lead	ND		500	505		ug/L		101	70 - 130		

Method: EPA 200.7 Rev 4 - Metals (ICP) (Continued)

Lab Sample ID: 180-130108-5 MSD — **Client Sample ID: WS-11201415-111521-SG-004**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 380176 — **Prep Batch: 379972**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.38	J	500	549		ug/L		110	70 - 130	2	20
Chromium	ND		500	500		ug/L		100	70 - 130	2	20
Lead	ND		500	518		ug/L		104	70 - 130	3	20

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

Lab Sample ID: MB 180-379350/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		0.50	0.50	mg/L			11/18/21 08:35	1

Lab Sample ID: LCS 180-379350/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	35.5	30.0		mg/L		85	80 - 120

Lab Sample ID: 180-130108-4 DU — **Client Sample ID: WS-11201415-111521-SG-003**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379350

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	270		262		mg/L		4	10

Lab Sample ID: MB 180-379370/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		0.50	0.50	mg/L			11/18/21 10:11	1

Lab Sample ID: LCS 180-379370/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379370

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	35.5	38.0		mg/L		107	80 - 120

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-379620/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 379620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 180-130108-6 DU
Client Sample ID: WS-11201415-111521-SG-005
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 379620

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	9.5	HF		9.5		SU				0.1	2
Temperature	22.0	HF		22.0		Degrees C				0	5

Qualifiers

GC/MS VOA

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

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 379688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-2	WS-11201415-111521-SG-001	Total/NA	Water	EPA 624.1	
MB 180-379688/6	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-379688/3	Lab Control Sample	Total/NA	Water	EPA 624.1	
180-130108-2 MS	WS-11201415-111521-SG-001	Total/NA	Water	EPA 624.1	
180-130108-2 MSD	WS-11201415-111521-SG-001	Total/NA	Water	EPA 624.1	

Analysis Batch: 380033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-3	WS-11201415-111521-SG-002	Total/NA	Water	EPA 624.1	
180-130108-4	WS-11201415-111521-SG-003	Total/NA	Water	EPA 624.1	
180-130108-5	WS-11201415-111521-SG-004	Total/NA	Water	EPA 624.1	
180-130108-7	WS-11201415-111521-SG-006	Total/NA	Water	EPA 624.1	
180-130108-8	WS-11201415-111521-SG-007	Total/NA	Water	EPA 624.1	
180-130108-9	WS-11201415-111521-SG-008	Total/NA	Water	EPA 624.1	
180-130108-10	WS-11201415-111521-SG-009	Total/NA	Water	EPA 624.1	
MB 180-380033/8	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-380033/3	Lab Control Sample	Total/NA	Water	EPA 624.1	
180-130108-3 MS	WS-11201415-111521-SG-002	Total/NA	Water	EPA 624.1	
180-130108-3 MSD	WS-11201415-111521-SG-002	Total/NA	Water	EPA 624.1	

Analysis Batch: 380188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-1	TB-11201415-111521-SG	Total/NA	Water	EPA 624.1	
180-130108-11	WS-11201415-111621-SG-010	Total/NA	Water	EPA 624.1	
180-130108-12	WS-11201415-111621-SG-011	Total/NA	Water	EPA 624.1	
MB 180-380188/5	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-380188/3	Lab Control Sample	Total/NA	Water	EPA 624.1	

Analysis Batch: 380301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-5 - DL	WS-11201415-111521-SG-004	Total/NA	Water	EPA 624.1	
180-130108-6	WS-11201415-111521-SG-005	Total/NA	Water	EPA 624.1	
180-130108-9 - DL	WS-11201415-111521-SG-008	Total/NA	Water	EPA 624.1	
MB 180-380301/7	Method Blank	Total/NA	Water	EPA 624.1	
LCS 180-380301/1004	Lab Control Sample	Total/NA	Water	EPA 624.1	

Metals

Prep Batch: 379791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-2	WS-11201415-111521-SG-001	Total Recoverable	Water	200.7	
180-130108-3	WS-11201415-111521-SG-002	Total Recoverable	Water	200.7	
180-130108-4	WS-11201415-111521-SG-003	Total Recoverable	Water	200.7	
MB 180-379791/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-379791/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-130108-3 MS	WS-11201415-111521-SG-002	Total Recoverable	Water	200.7	
180-130108-3 MSD	WS-11201415-111521-SG-002	Total Recoverable	Water	200.7	

Prep Batch: 379972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-5	WS-11201415-111521-SG-004	Total Recoverable	Water	200.7	

Metals (Continued)

Prep Batch: 379972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-6	WS-11201415-111521-SG-005	Total Recoverable	Water	200.7	
180-130108-7	WS-11201415-111521-SG-006	Total Recoverable	Water	200.7	
180-130108-8	WS-11201415-111521-SG-007	Total Recoverable	Water	200.7	
180-130108-9	WS-11201415-111521-SG-008	Total Recoverable	Water	200.7	
180-130108-10	WS-11201415-111521-SG-009	Total Recoverable	Water	200.7	
180-130108-11	WS-11201415-111621-SG-010	Total Recoverable	Water	200.7	
180-130108-12	WS-11201415-111621-SG-011	Total Recoverable	Water	200.7	
MB 180-379972/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 180-379972/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
180-130108-5 MS	WS-11201415-111521-SG-004	Total Recoverable	Water	200.7	
180-130108-5 MSD	WS-11201415-111521-SG-004	Total Recoverable	Water	200.7	

Analysis Batch: 380176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-2	WS-11201415-111521-SG-001	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130108-5	WS-11201415-111521-SG-004	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-6	WS-11201415-111521-SG-005	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-7	WS-11201415-111521-SG-006	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-8	WS-11201415-111521-SG-007	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-9	WS-11201415-111521-SG-008	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-10	WS-11201415-111521-SG-009	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-11	WS-11201415-111621-SG-010	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-12	WS-11201415-111621-SG-011	Total Recoverable	Water	EPA 200.7 Rev 4	379972
MB 180-379791/1-A	Method Blank	Total Recoverable	Water	EPA 200.7 Rev 4	379791
MB 180-379972/1-A	Method Blank	Total Recoverable	Water	EPA 200.7 Rev 4	379972
LCS 180-379791/2-A	Lab Control Sample	Total Recoverable	Water	EPA 200.7 Rev 4	379791
LCS 180-379972/2-A	Lab Control Sample	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-5 MS	WS-11201415-111521-SG-004	Total Recoverable	Water	EPA 200.7 Rev 4	379972
180-130108-5 MSD	WS-11201415-111521-SG-004	Total Recoverable	Water	EPA 200.7 Rev 4	379972

Analysis Batch: 380326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-3	WS-11201415-111521-SG-002	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130108-4	WS-11201415-111521-SG-003	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130108-3 MS	WS-11201415-111521-SG-002	Total Recoverable	Water	EPA 200.7 Rev 4	379791
180-130108-3 MSD	WS-11201415-111521-SG-002	Total Recoverable	Water	EPA 200.7 Rev 4	379791

General Chemistry

Analysis Batch: 379350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-2	WS-11201415-111521-SG-001	Total/NA	Water	SM 2540D	
180-130108-3	WS-11201415-111521-SG-002	Total/NA	Water	SM 2540D	
180-130108-4	WS-11201415-111521-SG-003	Total/NA	Water	SM 2540D	
180-130108-5	WS-11201415-111521-SG-004	Total/NA	Water	SM 2540D	
180-130108-6	WS-11201415-111521-SG-005	Total/NA	Water	SM 2540D	
MB 180-379350/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-379350/1	Lab Control Sample	Total/NA	Water	SM 2540D	
180-130108-4 DU	WS-11201415-111521-SG-003	Total/NA	Water	SM 2540D	

General Chemistry

Analysis Batch: 379370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-7	WS-11201415-111521-SG-006	Total/NA	Water	SM 2540D	
180-130108-8	WS-11201415-111521-SG-007	Total/NA	Water	SM 2540D	
180-130108-9	WS-11201415-111521-SG-008	Total/NA	Water	SM 2540D	
180-130108-10	WS-11201415-111521-SG-009	Total/NA	Water	SM 2540D	
180-130108-11	WS-11201415-111621-SG-010	Total/NA	Water	SM 2540D	
180-130108-12	WS-11201415-111621-SG-011	Total/NA	Water	SM 2540D	
MB 180-379370/2	Method Blank	Total/NA	Water	SM 2540D	
LCS 180-379370/1	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 379620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-130108-2	WS-11201415-111521-SG-001	Total/NA	Water	SM 4500 H+ B	
180-130108-3	WS-11201415-111521-SG-002	Total/NA	Water	SM 4500 H+ B	
180-130108-4	WS-11201415-111521-SG-003	Total/NA	Water	SM 4500 H+ B	
180-130108-5	WS-11201415-111521-SG-004	Total/NA	Water	SM 4500 H+ B	
180-130108-6	WS-11201415-111521-SG-005	Total/NA	Water	SM 4500 H+ B	
180-130108-7	WS-11201415-111521-SG-006	Total/NA	Water	SM 4500 H+ B	
180-130108-8	WS-11201415-111521-SG-007	Total/NA	Water	SM 4500 H+ B	
180-130108-9	WS-11201415-111521-SG-008	Total/NA	Water	SM 4500 H+ B	
180-130108-10	WS-11201415-111521-SG-009	Total/NA	Water	SM 4500 H+ B	
180-130108-11	WS-11201415-111621-SG-010	Total/NA	Water	SM 4500 H+ B	
180-130108-12	WS-11201415-111621-SG-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-379620/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
180-130108-6 DU	WS-11201415-111521-SG-005	Total/NA	Water	SM 4500 H+ B	

Client Sample ID: TB-11201415-111521-SG — Lab Sample ID: 180-130108-1

Date Collected: 11/15/21 00:01 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380188	11/26/21 15:02	PJJ	TAL PIT
	Instrument ID: CHHP6									

Client Sample ID: WS-11201415-111521-SG-001 — Lab Sample ID: 180-130108-2

Date Collected: 11/15/21 13:30 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	379688	11/23/21 00:45	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 15:54	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	379350	11/18/21 08:35	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:22	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-002 — Lab Sample ID: 180-130108-3

Date Collected: 11/15/21 14:00 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 18:08	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		5			380326	11/26/21 16:23	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379350	11/18/21 08:35	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:24	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-003 — Lab Sample ID: 180-130108-4

Date Collected: 11/15/21 14:25 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 19:37	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			50 mL	50 mL	379791	11/23/21 10:00	KFS	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		5			380326	11/26/21 16:42	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	200 mL	1000 mL	379350	11/18/21 08:35	BAC	TAL PIT
	Instrument ID: HP3									

Client Sample ID: WS-11201415-111521-SG-003 — Lab Sample ID: 180-130108-4

Date Collected: 11/15/21 14:25 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:26	MJH	TAL PIT

Client Sample ID: WS-11201415-111521-SG-004 — Lab Sample ID: 180-130108-5

Date Collected: 11/15/21 14:45 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 20:07	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total/NA	Analysis	EPA 624.1	DL	10	5 mL	5 mL	380301	11/28/21 00:24	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 16:50	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379350	11/18/21 08:35	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:28	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-005 — Lab Sample ID: 180-130108-6

Date Collected: 11/15/21 15:00 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380301	11/27/21 23:54	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:17	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379350	11/18/21 08:35	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:31	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-006 — Lab Sample ID: 180-130108-7

Date Collected: 11/15/21 15:30 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 21:06	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:22	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: WS-11201415-111521-SG-006 — Lab Sample ID: 180-130108-7

Date Collected: 11/15/21 15:30 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:35	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-007 — Lab Sample ID: 180-130108-8

Date Collected: 11/15/21 15:30 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 21:36	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:27	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	400 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:37	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-008 — Lab Sample ID: 180-130108-9

Date Collected: 11/15/21 16:00 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 22:05	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total/NA	Analysis	EPA 624.1	DL	10	5 mL	5 mL	380301	11/28/21 00:53	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:31	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:39	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111521-SG-009 — Lab Sample ID: 180-130108-10

Date Collected: 11/15/21 16:35 — **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380033	11/24/21 22:35	PJJ	TAL PIT
	Instrument ID: CHHP6									

Client Sample ID: WS-11201415-111521-SG-009 Lab Sample ID: 180-130108-10

Date Collected: 11/15/21 16:35 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:36	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:40	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111621-SG-010 Lab Sample ID: 180-130108-11

Date Collected: 11/16/21 11:15 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380188	11/26/21 22:28	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:41	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:42	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WS-11201415-111621-SG-011 Lab Sample ID: 180-130108-12

Date Collected: 11/16/21 11:40 **Matrix: Water**
Date Received: 11/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 624.1		1	5 mL	5 mL	380188	11/26/21 22:58	PJJ	TAL PIT
	Instrument ID: CHHP6									
Total Recoverable	Prep	200.7			25 mL	25 mL	379972	11/23/21 12:15	MM1	TAL PIT
Total Recoverable	Analysis	EPA 200.7 Rev 4		1			380176	11/24/21 17:46	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	379370	11/18/21 10:11	BAC	TAL PIT
	Instrument ID: HP3									
Total/NA	Analysis	SM 4500 H+ B		1			379620	11/20/21 11:44	MJH	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KFS = Kelly Shannon

MM1 = Mary Beth Miller

Batch Type: Analysis

BAC = Blase Cindric

MJH = Michael Houde

PJJ = Patrick Journet

RJR = Ron Rosenbaum

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 180-130108-1
Project/Site: 0018036 Westinghouse

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	10043	09-15-22

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

Analysis Method	Prep Method	Matrix	Analyte
EPA 200.7 Rev 4	200.7	Water	Cadmium
EPA 200.7 Rev 4	200.7	Water	Chromium
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

624.1_PREC

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB-11201415-111521-SG	180-130108-1	137	122	102	96
WS-11201415-111521-SG-001	180-130108-2	99	73	88	57
WS-11201415-111521-SG-002	180-130108-3	109	82	104	63
WS-11201415-111521-SG-003	180-130108-4	97	73	96	61
WS-11201415-111521-SG-004	180-130108-5	103	74	102	61
WS-11201415-111521-SG-004 DL	180-130108-5 DL	99	64	94	63
WS-11201415-111521-SG-005	180-130108-6	95	60	97	61
WS-11201415-111521-SG-006	180-130108-7	110	79	101	62
WS-11201415-111521-SG-007	180-130108-8	113	78	104	63
WS-11201415-111521-SG-008	180-130108-9	101	74	99	57
WS-11201415-111521-SG-008 DL	180-130108-9 DL	115	73	105	68
WS-11201415-111521-SG-009	180-130108-10	105	71	92	56
WS-11201415-111621-SG-010	180-130108-11	100	62	95	62
WS-11201415-111621-SG-011	180-130108-12	105	65	97	62
	MB 180-379688/6	111	109	98	85
	MB 180-380033/8	100	96	88	72
	MB 180-380188/5	108	90	84	79
	MB 180-380301/7	107	92	72	65
	LCS 180-379688/3	105	108	89	90
	LCS 180-380033/3	121	119	114	105
	LCS 180-380188/3	100	88	90	86
	LCS 180-380301/1004	100	85	94	89
WS-11201415-111521-SG-001 MS	180-130108-2 MS	87	64	94	83
WS-11201415-111521-SG-002 MS	180-130108-3 MS	95	67	102	93
WS-11201415-111521-SG-001 MSD	180-130108-2 MSD	88	63	91	80
WS-11201415-111521-SG-002 MSD	180-130108-3 MSD	95	73	103	92

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	59-168
DCA = 1,2-Dichloroethane-d4 (Surr)	28-163
TOL = Toluene-d8 (Surr)	53-125
BFB = 4-Bromofluorobenzene (Surr)	41-122

Column to be used to flag recovery values

FORM II EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61122003.D

Lab ID: LCS 180-379688/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	9.32	93	65-135	
cis-1,2-Dichloroethene	10.0	9.95	100	67-124	
Methylene Chloride	10.0	10.7	107	60-140	
Tetrachloroethene	10.0	8.33	83	70-130	
Toluene	10.0	9.39	94	70-130	
Trichloroethene	10.0	9.19	92	65-135	
Vinyl chloride	10.0	9.11	91	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61124003.D

Lab ID: LCS 180-380033/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	9.84	98	65-135	
cis-1,2-Dichloroethene	10.0	10.1	101	67-124	
Methylene Chloride	10.0	11.0	110	60-140	
Tetrachloroethene	10.0	10.5	105	70-130	
Toluene	10.0	10.4	104	70-130	
Trichloroethene	10.0	9.31	93	65-135	
Vinyl chloride	10.0	10.7	107	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61126003.D

Lab ID: LCS 180-380188/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	8.77	88	65-135	
cis-1,2-Dichloroethene	10.0	8.67	87	67-124	
Methylene Chloride	10.0	8.78	88	60-140	
Tetrachloroethene	10.0	7.27	73	70-130	
Toluene	10.0	8.52	85	70-130	
Trichloroethene	10.0	7.74	77	65-135	
Vinyl chloride	10.0	7.29	73	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61127004-LCS.d

Lab ID: LCS 180-380301/1004 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	9.47	95	65-135	
cis-1,2-Dichloroethene	10.0	9.65	97	67-124	
Methylene Chloride	10.0	9.59	96	60-140	
Tetrachloroethene	10.0	8.89	89	70-130	
Toluene	10.0	9.81	98	70-130	
Trichloroethene	10.0	8.91	89	65-135	
Vinyl chloride	10.0	9.66	97	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61122027.D

Lab ID: 180-130108-2 MS Client ID: WS-11201415-111521-SG-001 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	ND	9.51	95	18-170	
cis-1,2-Dichloroethene	10.0	4.3	14.2	99	59-135	
Methylene Chloride	10.0	ND	9.83	98	10-170	
Tetrachloroethene	10.0	1.8	13.0	112	64-148	
Toluene	10.0	ND	11.3	113	47-150	
Trichloroethene	10.0	8.2	17.9	97	70-157	
Vinyl chloride	10.0	0.54 J	11.3	108	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61124019.D

Lab ID: 180-130108-3 MS Client ID: WS-11201415-111521-SG-002 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	ND	10.7	107	18-170	
cis-1,2-Dichloroethene	10.0	ND	11.2	112	59-135	
Methylene Chloride	10.0	ND	11.7	117	10-170	
Tetrachloroethene	10.0	ND	12.9	129	64-148	
Toluene	10.0	ND	12.5	125	47-150	
Trichloroethene	10.0	ND	11.8	118	70-157	
Vinyl chloride	10.0	ND	13.1	131	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61122028.D

Lab ID: 180-130108-2 MSD Client ID: WS-11201415-111521-SG-001 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	10.1	101	6	35	18-170	
cis-1,2-Dichloroethene	10.0	15.6	113	10	30	59-135	
Methylene Chloride	10.0	10.1	101	3	35	10-170	
Tetrachloroethene	10.0	12.9	110	1	35	64-148	
Toluene	10.0	11.6	116	3	35	47-150	
Trichloroethene	10.0	18.8	105	5	31	70-157	
Vinyl chloride	10.0	12.0	115	6	35	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61124020.D

Lab ID: 180-130108-3 MSD Client ID: WS-11201415-111521-SG-002 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dichlorobenzene	10.0	10.4	104	3	35	18-170	
cis-1,2-Dichloroethene	10.0	10.4	104	7	30	59-135	
Methylene Chloride	10.0	10.8	108	9	35	10-170	
Tetrachloroethene	10.0	11.7	117	10	35	64-148	
Toluene	10.0	11.6	116	7	35	47-150	
Trichloroethene	10.0	10.8	108	9	31	70-157	
Vinyl chloride	10.0	11.6	116	13	35	10-170	

Column to be used to flag recovery and RPD values

FORM III EPA 624.1

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61122006.D Lab Sample ID: MB 180-379688/6

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

Instrument ID: CHHP6 Date Analyzed: 11/22/2021 14:44

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 180-379688/3	61122003.D	11/22/2021 13:18
WS-11201415-111521-SG-001	180-130108-2	61122026.D	11/23/2021 00:45
WS-11201415-111521-SG-001 MS	180-130108-2 MS	61122027.D	11/23/2021 01:15
WS-11201415-111521-SG-001 MSD	180-130108-2 MSD	61122028.D	11/23/2021 01:44

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61124008.D Lab Sample ID: MB 180-380033/8

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

Instrument ID: CHHP6 Date Analyzed: 11/24/2021 13:13

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 180-380033/3	61124003.D	11/24/2021 10:03
WS-11201415-111521-SG-002	180-130108-3	61124018.D	11/24/2021 18:08
WS-11201415-111521-SG-002 MS	180-130108-3 MS	61124019.D	11/24/2021 18:38
WS-11201415-111521-SG-002 MSD	180-130108-3 MSD	61124020.D	11/24/2021 19:07
WS-11201415-111521-SG-003	180-130108-4	61124021.D	11/24/2021 19:37
WS-11201415-111521-SG-004	180-130108-5	61124022.D	11/24/2021 20:07
WS-11201415-111521-SG-006	180-130108-7	61124024.D	11/24/2021 21:06
WS-11201415-111521-SG-007	180-130108-8	61124025.D	11/24/2021 21:36
WS-11201415-111521-SG-008	180-130108-9	61124026.D	11/24/2021 22:05
WS-11201415-111521-SG-009	180-130108-10	61124027.D	11/24/2021 22:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61126005.D Lab Sample ID: MB 180-380188/5

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

Instrument ID: CHHP6 Date Analyzed: 11/26/2021 14:33

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 180-380188/3	61126003.D	11/26/2021 13:36
TB-11201415-111521-SG	180-130108-1	61126006.D	11/26/2021 15:02
WS-11201415-111621-SG-010	180-130108-11	61126021.D	11/26/2021 22:28
WS-11201415-111621-SG-011	180-130108-12	61126022.D	11/26/2021 22:58

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61127007.D Lab Sample ID: MB 180-380301/7

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

Instrument ID: CHHP6 Date Analyzed: 11/27/2021 16:28

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 180-380301/1004	61127004-LCS.d	11/27/2021 15:04
WS-11201415-111521-SG-005	180-130108-6	61127022.D	11/27/2021 23:54
WS-11201415-111521-SG-004 DL	180-130108-5 DL	61127023.D	11/28/2021 00:24
WS-11201415-111521-SG-008 DL	180-130108-9 DL	61127024.D	11/28/2021 00:53

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 6110501.D BFB Injection Date: 11/05/2020

Instrument ID: CHHP6 BFB Injection Time: 08:58

Analysis Batch No.: 335966

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
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	7.3
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	Greater than 50% of mass 95	72.5
175	5.0 - 9.0 % of mass 174	5.4 (7.4) 1
176	95.0 - 101.0 % of mass 174	72.7 (100.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-335966/9	6110509.D	11/05/2020	10:26
	ICIS 180-335966/10	6110510.D	11/05/2020	10:53
	IC 180-335966/11	6110511.D	11/05/2020	11:20
	IC 180-335966/12	6110512.D	11/05/2020	11:48
	IC 180-335966/13	6110513.D	11/05/2020	12:15
	IC 180-335966/14	6110514.D	11/05/2020	12:42
	IC 180-335966/15	6110515.D	11/05/2020	13:09
	IC 180-335966/25	6110525.D	11/05/2020	18:41

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 6110501.D BFB Injection Date: 11/05/2020

Instrument ID: CHHP6 BFB Injection Time: 08:58

Analysis Batch No.: 335968

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
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	7.3
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	Greater than 50% of mass 95	72.5
175	5.0 - 9.0 % of mass 174	5.4 (7.4) 1
176	95.0 - 101.0 % of mass 174	72.7 (100.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-335968/9	6110509.D	11/05/2020	10:26
	ICIS 180-335968/10	6110510.D	11/05/2020	10:53
	IC 180-335968/11	6110511.D	11/05/2020	11:20
	IC 180-335968/12	6110512.D	11/05/2020	11:48
	IC 180-335968/13	6110513.D	11/05/2020	12:15
	IC 180-335968/14	6110514.D	11/05/2020	12:42
	IC 180-335968/15	6110515.D	11/05/2020	13:09
	IC 180-335968/25	6110525.D	11/05/2020	18:41
	ICV 180-335968/29	6110529.D	11/05/2020	20:31

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 611220A1.D BFB Injection Date: 11/22/2021

Instrument ID: CHHP6 BFB Injection Time: 12:07

Analysis Batch No.: 379688

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.5	
75	30.0 - 60.0 % of mass 95	43.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	72.8	
175	5.0 - 9.0 % of mass 174	5.7	(7.8) 1
176	95.0 - 101.0 % of mass 174	69.3	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.4	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-379688/2	61122002.D	11/22/2021	12:50
	LCS 180-379688/3	61122003.D	11/22/2021	13:18
	MB 180-379688/6	61122006.D	11/22/2021	14:44
WS-11201415-111521-SG-001	180-130108-2	61122026.D	11/23/2021	0:45
WS-11201415-111521-SG-001 MS	180-130108-2 MS	61122027.D	11/23/2021	1:15
WS-11201415-111521-SG-001 MSD	180-130108-2 MSD	61122028.D	11/23/2021	1:44

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61124001.D BFB Injection Date: 11/24/2021

Instrument ID: CHHP6 BFB Injection Time: 08:43

Analysis Batch No.: 380033

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.5	
75	30.0 - 60.0 % of mass 95	44.6	
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	1.1	(1.5) 1
174	Greater than 50% of mass 95	76.0	
175	5.0 - 9.0 % of mass 174	5.4	(7.1) 1
176	95.0 - 101.0 % of mass 174	75.7	(99.7) 1
177	5.0 - 9.0 % of mass 176	3.9	(5.2) 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 180-380033/2	61124002.D	11/24/2021	9:32
	LCS 180-380033/3	61124003.D	11/24/2021	10:03
	MB 180-380033/8	61124008.D	11/24/2021	13:13
WS-11201415-111521-SG-002	180-130108-3	61124018.D	11/24/2021	18:08
WS-11201415-111521-SG-002 MS	180-130108-3 MS	61124019.D	11/24/2021	18:38
WS-11201415-111521-SG-002 MSD	180-130108-3 MSD	61124020.D	11/24/2021	19:07
WS-11201415-111521-SG-003	180-130108-4	61124021.D	11/24/2021	19:37
WS-11201415-111521-SG-004	180-130108-5	61124022.D	11/24/2021	20:07
WS-11201415-111521-SG-006	180-130108-7	61124024.D	11/24/2021	21:06
WS-11201415-111521-SG-007	180-130108-8	61124025.D	11/24/2021	21:36
WS-11201415-111521-SG-008	180-130108-9	61124026.D	11/24/2021	22:05
WS-11201415-111521-SG-009	180-130108-10	61124027.D	11/24/2021	22:35

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61126001.D BFB Injection Date: 11/26/2021

Instrument ID: CHHP6 BFB Injection Time: 12:27

Analysis Batch No.: 380188

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.5	
75	30.0 - 60.0 % of mass 95	42.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.1	(0.1) 1
174	Greater than 50% of mass 95	73.4	
175	5.0 - 9.0 % of mass 174	4.8	(6.6) 1
176	95.0 - 101.0 % of mass 174	72.7	(99.1) 1
177	5.0 - 9.0 % of mass 176	4.9	(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
	CCVIS 180-380188/2	61126002.D	11/26/2021	13:07
	LCS 180-380188/3	61126003.D	11/26/2021	13:36
	MB 180-380188/5	61126005.D	11/26/2021	14:33
TB-11201415-111521-SG	180-130108-1	61126006.D	11/26/2021	15:02
WS-11201415-111621-SG-010	180-130108-11	61126021.D	11/26/2021	22:28
WS-11201415-111621-SG-011	180-130108-12	61126022.D	11/26/2021	22:58

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab File ID: 61127003.D BFB Injection Date: 11/27/2021

Instrument ID: CHHP6 BFB Injection Time: 14:36

Analysis Batch No.: 380301

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.3	
75	30.0 - 60.0 % of mass 95	46.5	
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	0.1	(0.2) 1
174	Greater than 50% of mass 95	72.2	
175	5.0 - 9.0 % of mass 174	5.5	(7.6) 1
176	95.0 - 101.0 % of mass 174	69.5	(96.3) 1
177	5.0 - 9.0 % of mass 176	6.1	(8.8) 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
	CCVIS 180-380301/4	61127004.D	11/27/2021	15:04
	LCS 180-380301/1004	61127004-LCS.	11/27/2021	15:04
	MB 180-380301/7	61127007.D	11/27/2021	16:28
WS-11201415-111521-SG-005	180-130108-6	61127022.D	11/27/2021	23:54
WS-11201415-111521-SG-004 DL	180-130108-5 DL	61127023.D	11/28/2021	0:24
WS-11201415-111521-SG-008 DL	180-130108-9 DL	61127024.D	11/28/2021	0:53

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: ICIS 180-335968/10 Date Analyzed: 11/05/2020 10:53

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 6110510.D Heated Purge: (Y/N) N

Calibration ID: 44597

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		216733	7.31	659614	10.17	137014	13.24
UPPER LIMIT		433466	7.81	1319228	10.67	274028	13.74
LOWER LIMIT		108367	6.81	329807	9.67	68507	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-335968/29		198883	7.31	588302	10.17	111019	13.25

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: ICIS 180-335968/10 Date Analyzed: 11/05/2020 10:53

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 6110510.D Heated Purge: (Y/N) N

Calibration ID: 44597

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		191051	15.63				
UPPER LIMIT		382102	16.13				
LOWER LIMIT		95526	15.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 180-335968/29		164197	15.64				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-379688/2 Date Analyzed: 11/22/2021 12:50

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61122002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		625505	7.31	1098477	10.16	260074	13.23
UPPER LIMIT		1251010	7.81	2196954	10.66	520148	13.73
LOWER LIMIT		312753	6.81	549239	9.66	130037	12.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-379688/3		623105	7.31	1091834	10.17	246674	13.24
MB 180-379688/6		620941	7.31	1208457	10.16	259785	13.24
180-130108-2	WS-11201415-111521-SG-001	310770*3	7.30	1424608	10.16	282101	13.24
180-130108-2 MS	WS-11201415-111521-SG-001 MS	354739	7.31	1789590	10.16	347998	13.23
180-130108-2 MSD	WS-11201415-111521-SG-001 MSD	347509	7.31	1728090	10.16	350815	13.24

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-379688/2 Date Analyzed: 11/22/2021 12:50

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61122002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		314146	15.63				
UPPER LIMIT		628292	16.13				
LOWER LIMIT		157073	15.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-379688/3		304749	15.63				
MB 180-379688/6		278318	15.63				
180-130108-2	WS-11201415-111521-SG-001	237725	15.63				
180-130108-2 MS	WS-11201415-111521-SG-001 MS	433445	15.62				
180-130108-2 MSD	WS-11201415-111521-SG-001 MSD	416708	15.63				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380033/2 Date Analyzed: 11/24/2021 09:32

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61124002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		456942	7.31	1232084	10.16	248246	13.25
UPPER LIMIT		913884	7.81	2464168	10.66	496492	13.75
LOWER LIMIT		228471	6.81	616042	9.66	124123	12.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380033/3		484824	7.31	1117723	10.17	235422	13.24
MB 180-380033/8		966551*3	7.30	1828677	10.17	383807	13.24
180-130108-3	WS-11201415-111521-SG-002	336365	7.30	1414632	10.17	282368	13.24
180-130108-3 MS	WS-11201415-111521-SG-002 MS	373188	7.31	1622210	10.16	326416	13.24
180-130108-3 MSD	WS-11201415-111521-SG-002 MSD	387777	7.31	1643815	10.17	323560	13.23
180-130108-4	WS-11201415-111521-SG-003	374915	7.31	1688394	10.17	331178	13.24
180-130108-5	WS-11201415-111521-SG-004	285203	7.31	1552955	10.17	307072	13.25
180-130108-7	WS-11201415-111521-SG-006	301079	7.30	1492541	10.17	298262	13.24
180-130108-8	WS-11201415-111521-SG-007	305041	7.30	1369847	10.16	267625	13.24
180-130108-9	WS-11201415-111521-SG-008	307754	7.31	1558236	10.16	313792	13.24
180-130108-10	WS-11201415-111521-SG-009	319564	7.30	1442638	10.17	297912	13.24

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380033/2 Date Analyzed: 11/24/2021 09:32

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61124002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		344969	15.62				
UPPER LIMIT		689938	16.12				
LOWER LIMIT		172485	15.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380033/3		313003	15.62				
MB 180-380033/8		359343	15.63				
180-130108-3	WS-11201415-111521-SG-002	245188	15.64				
180-130108-3 MS	WS-11201415-111521-SG-002 MS	460084	15.63				
180-130108-3 MSD	WS-11201415-111521-SG-002 MSD	415981	15.62				
180-130108-4	WS-11201415-111521-SG-003	287672	15.63				
180-130108-5	WS-11201415-111521-SG-004	246194	15.63				
180-130108-7	WS-11201415-111521-SG-006	232540	15.63				
180-130108-8	WS-11201415-111521-SG-007	227678	15.63				
180-130108-9	WS-11201415-111521-SG-008	244373	15.63				
180-130108-10	WS-11201415-111521-SG-009	230505	15.63				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380188/2 Date Analyzed: 11/26/2021 13:07

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61126002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		403253	7.31	954836	10.17	205022	13.24
UPPER LIMIT		806506	7.81	1909672	10.67	410044	13.74
LOWER LIMIT		201627	6.81	477418	9.67	102511	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380188/3		422009	7.30	966152	10.16	206020	13.23
MB 180-380188/5		624466	7.31	1177373	10.17	283871	13.24
180-130108-1	TB-11201415-111521-SG	450046	7.31	782865	10.17	199928	13.24
180-130108-11	WS-11201415-111621-SG-010	190223*3	7.30	1200562	10.17	235806	13.24
180-130108-12	WS-11201415-111621-SG-011	197842*3	7.30	1183116	10.16	230423	13.24

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380188/2 Date Analyzed: 11/26/2021 13:07

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61126002.D Heated Purge: (Y/N) N

Calibration ID: 44595

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		228500	15.63				
UPPER LIMIT		457000	16.13				
LOWER LIMIT		114250	15.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380188/3		235959	15.62				
MB 180-380188/5		267901	15.63				
180-130108-1	TB-11201415-111521-SG	207892	15.63				
180-130108-11	WS-11201415-111621-SG-010	179557	15.63				
180-130108-12	WS-11201415-111621-SG-011	171263	15.63				

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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380301/4 Date Analyzed: 11/27/2021 15:04

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61127004.D Heated Purge: (Y/N) N

Calibration ID: 44595

		TBAd9		FB		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		410307	7.31	1030639	10.17	217953	13.24
UPPER LIMIT		820614	7.81	2061278	10.67	435906	13.74
LOWER LIMIT		205154	6.81	515320	9.67	108977	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380301/1004		410307	7.31	1030639	10.17	217953	13.24
MB 180-380301/7		589789	7.31	923110	10.17	244192	13.24
180-130108-6	WS-11201415-111521-SG-005	262390	7.31	1460430	10.17	270743	13.24
180-130108-5 DL	WS-11201415-111521-SG-004 DL	235489	7.31	1174235	10.17	232464	13.25
180-130108-9 DL	WS-11201415-111521-SG-008 DL	234717	7.31	1127283	10.17	219653	13.24

TBAd9 = TBA-d9 (IS)
FB = Fluorobenzene (IS)
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 EPA 624.1

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Sample No.: CCVIS 180-380301/4 Date Analyzed: 11/27/2021 15:04

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61127004.D Heated Purge: (Y/N) N

Calibration ID: 44595

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		261769	15.62				
UPPER LIMIT		523538	16.12				
LOWER LIMIT		130885	15.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 180-380301/1004		261769	15.62				
MB 180-380301/7		209291	15.63				
180-130108-6	WS-11201415-111521-SG-005	190840	15.63				
180-130108-5 DL	WS-11201415-111521-SG-004 DL	188777	15.63				
180-130108-9 DL	WS-11201415-111521-SG-008 DL	160903	15.63				

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 EPA 624.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: TB-11201415-111521-SG Lab Sample ID: 180-130108-1

Matrix: Water Lab File ID: 61126006.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 00:01

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 15:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		28-163
460-00-4	4-Bromofluorobenzene (Surr)	96		41-122
2037-26-5	Toluene-d8 (Surr)	102		53-125
1868-53-7	Dibromofluoromethane (Surr)	137		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126006.D
Lims ID: 180-130108-A-1
Client ID: TB-11201415-111521-SG
Sample Type: Client
Inject. Date: 26-Nov-2021 15:02:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-006
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 27-Nov-2021 15:21:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.306	0.001	41	450046	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.165	0.001	35	782865	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.237	0.001	30	199928	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.628	0.001	29	207892	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.447	0.001	47	226795	68.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.830	-0.004	47	314902	61.1	
$ 7 Toluene-d8 (Surr)	98	11.766	11.765	0.001	41	909604	50.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.411	0.008	38	285877	48.1	

Reagents:

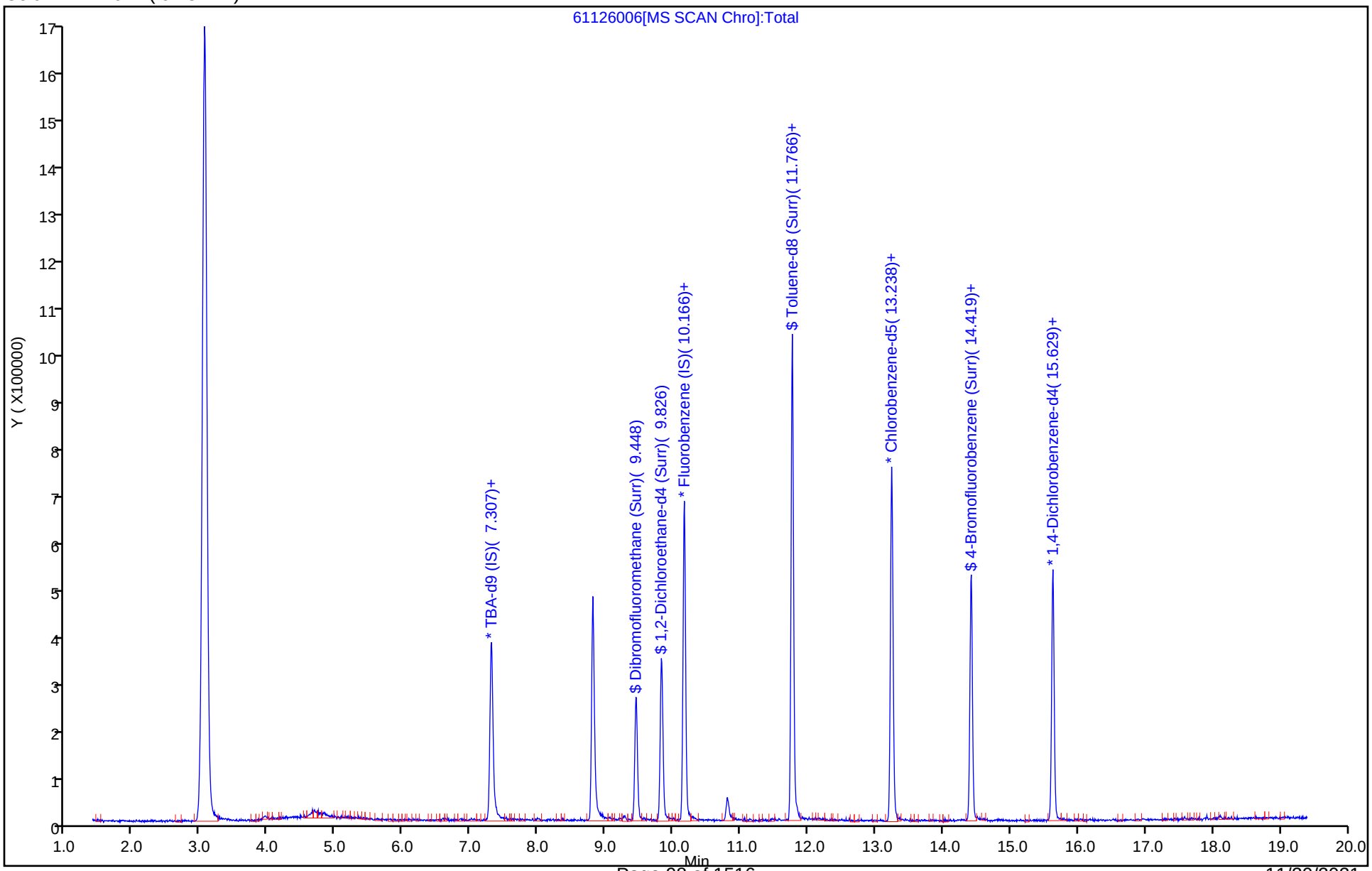
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 27-Nov-2021 15:48:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126006.D				
Injection Date:	26-Nov-2021 15:02:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-A-1	Lab Sample ID:	180-130108-1	Worklist Smp#:	6
Client ID:	TB-11201415-111521-SG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



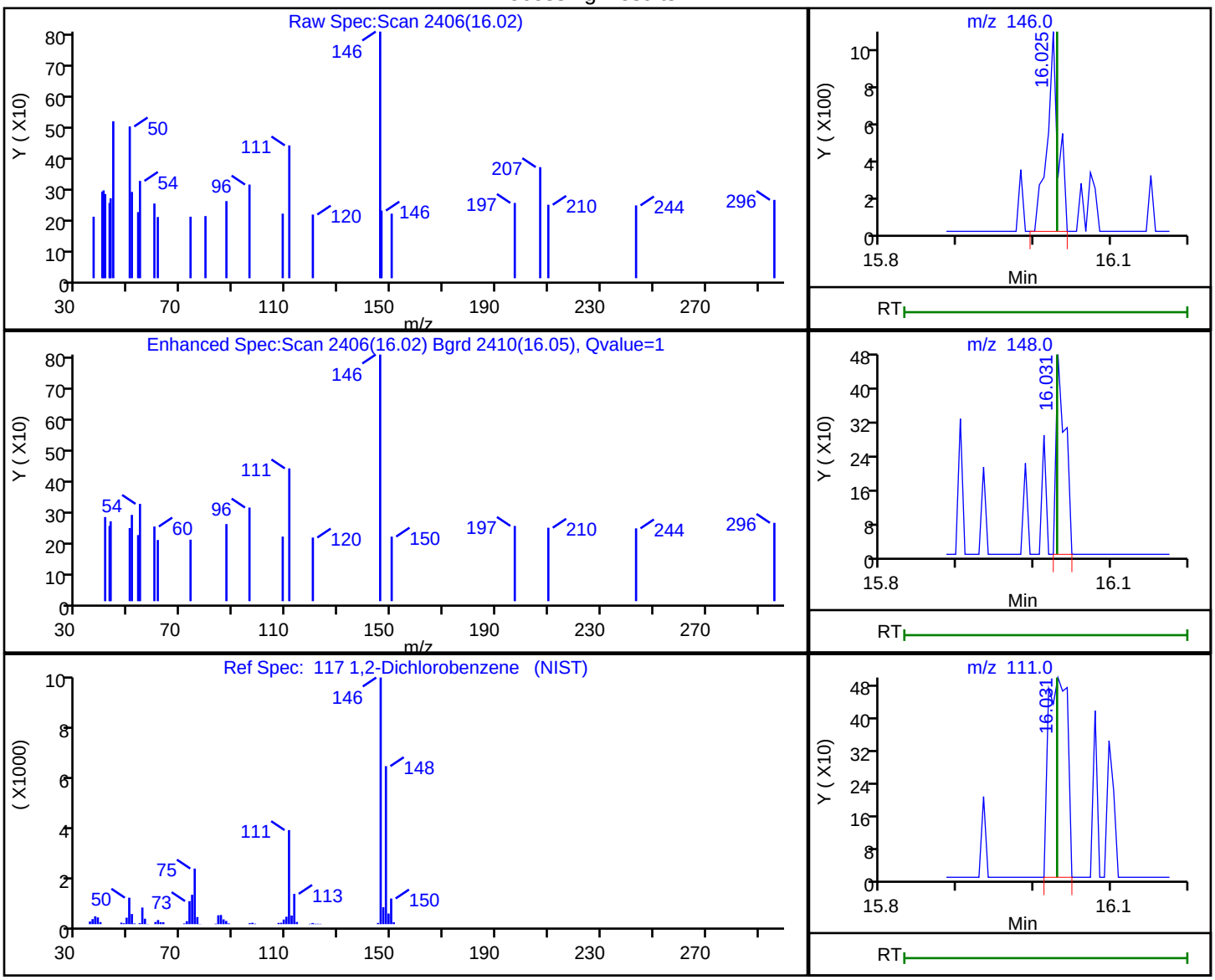
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126006.D				
Injection Date:	26-Nov-2021 15:02:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-A-1	Lab Sample ID:	180-130108-1		
Client ID:	TB-11201415-111521-SG				
Operator ID:	0034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.02	146.00	1035	0.173047
16.03	148.00	390	
16.03	111.00	857	

Reviewer: journetp, 27-Nov-2021 15:21:27

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

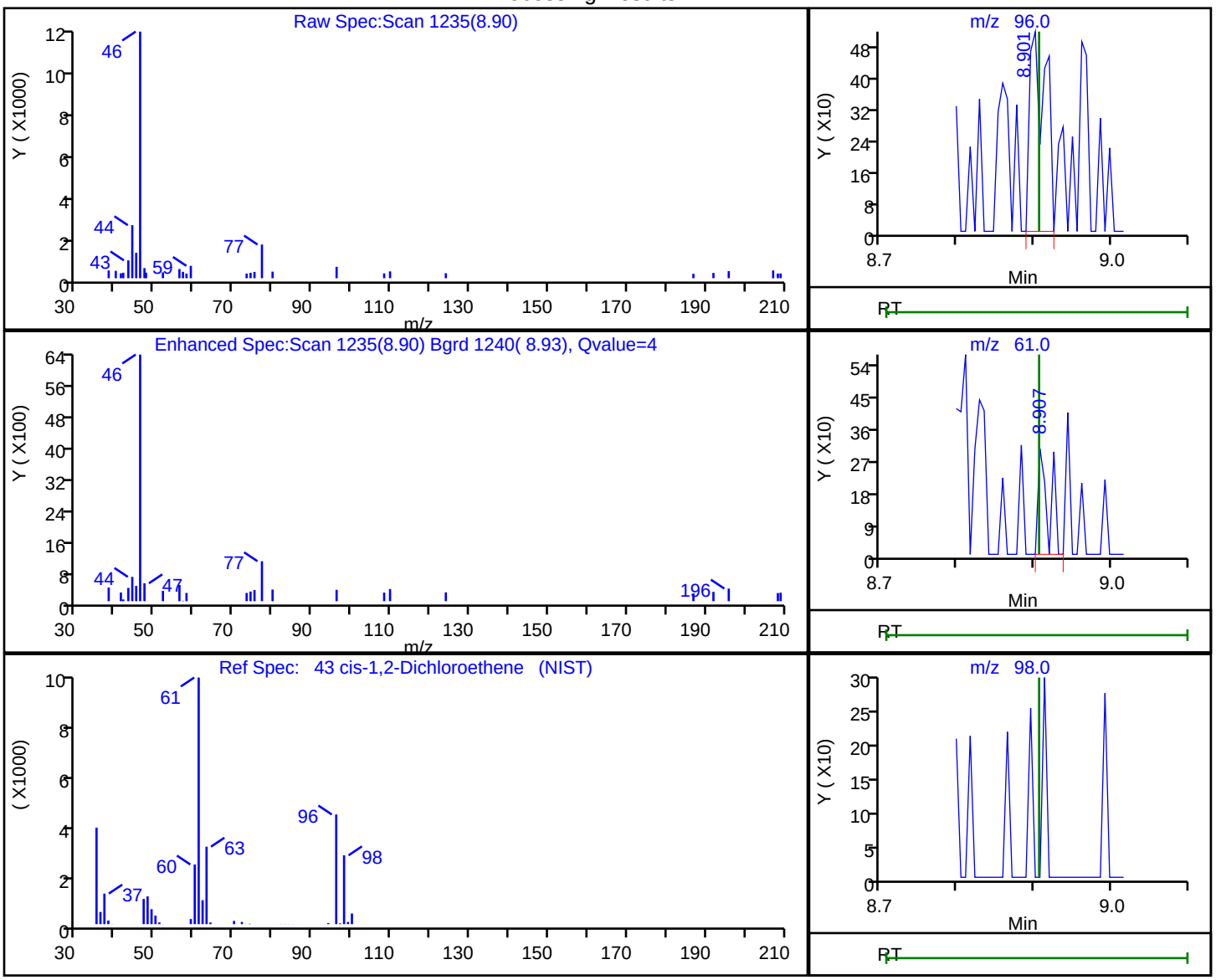
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126006.D				
Injection Date:	26-Nov-2021 15:02:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-A-1	Lab Sample ID:	180-130108-1		
Client ID:	TB-11201415-111521-SG				
Operator ID:	0034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
8.90	96.00	757	0.159775
8.91	61.00	292	
8.91	98.00	0	

Reviewer: journetp, 27-Nov-2021 15:21:25

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-001 Lab Sample ID: 180-130108-2

Matrix: Water Lab File ID: 61122026.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 13:30

Sample wt/vol: 5(mL) Date Analyzed: 11/23/2021 00:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 379688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	4.3		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	1.8		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	8.2		1.0	0.69
75-01-4	Vinyl chloride	0.54	J	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		28-163
460-00-4	4-Bromofluorobenzene (Surr)	57		41-122
2037-26-5	Toluene-d8 (Surr)	88		53-125
1868-53-7	Dibromofluoromethane (Surr)	99		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D
Lims ID: 180-130108-F-2
Client ID: WS-11201415-111521-SG-001
Sample Type: Client
Inject. Date: 23-Nov-2021 00:45:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-026
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 11:00:12 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 23-Nov-2021 07:25:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.299	7.311	-0.012	42	310770	1000.0	s
* 2 Fluorobenzene (IS)	96	10.163	10.163	0.000	35	1424608	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.331	-0.090	89	282101	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.631	15.630	0.001	29	237725	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.452	9.445	0.007	47	298137	49.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.829	9.907	-0.078	96	343190	36.6	a
$ 7 Toluene-d8 (Surr)	98	11.763	11.768	-0.005	42	1113213	44.0	
$ 8 4-Bromofluorobenzene (Surr)	95	14.420	14.414	0.006	37	237741	28.3	
19 Ethanol	45	3.054	3.068	-0.014	1	1384972	NC	
13 Vinyl chloride	62	4.100	4.100	0.000	24	25980	2.68	
24 Acetone	43	6.594	6.587	0.007	1	6909	2.30	
36 Hexane	57	8.011	8.004	0.007	78	15408	1.24	M
43 cis-1,2-Dichloroethene	96	8.917	8.904	0.013	22	185680	21.5	
46 Ethyl acetate	43	9.063	9.054	0.009	1	834	NC	
50 Chloroform	83	9.288	9.275	0.013	34	65652	4.63	
148 Isooctane	57	9.945	9.955	-0.010	0	205	NC	
85 4-Chlorobenzotrifluoride	180	10.030	10.143	-0.113	1	175	NC	
61 Trichloroethene	130	10.534	10.528	0.006	44	324881	41.2	
92 2-Chlorobenzotrifluoride	180	11.282	11.384	-0.102	1	154	NC	
73 Toluene	91	11.830	11.835	-0.005	42	11242	0.3552	
101 3-Chlorotoluene	126	11.836	11.841	-0.005	38	98	NC	
77 Tetrachloroethene	164	12.359	12.358	0.001	42	54620	9.06	
114 2,5-Dichlorobenzotrifluoride	214	12.718	12.711	0.007	1	74	NC	
107 1,2-dichloro-4-(trifluoromethyl)	214	12.718	12.711	0.007	1	74	NC	
62 Ethyl acrylate	55	14.366	14.384	-0.018	1	90	NC	
121 2,3- & 3,4- Dichlorotoluene	125	14.384	14.463	-0.079	1	81	NC	
112 1,2,3-Trimethylbenzene	105	15.643	15.655	-0.012	24	975	NC	
S 130 1,2-Dichloroethene, Total	96				0		21.5	
S 154 Total BTEX	1				0		0.3552	
T 157 Ethanol TIC	45	14.877	14.888	-0.011	0	244	0.008564	

QC Flag Legend

Processing Flags

NC - Not Calibrated

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

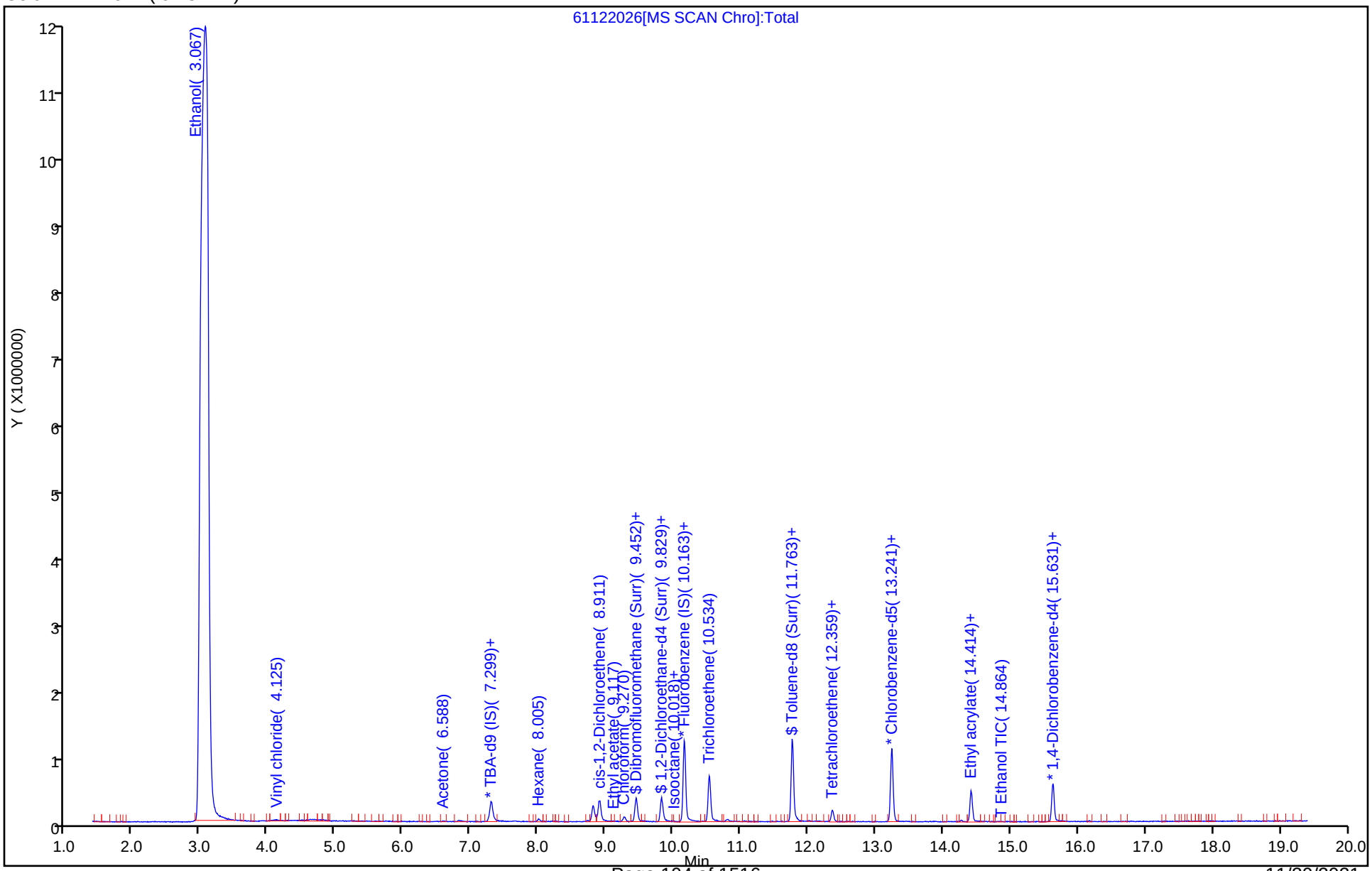
Report Date: 23-Nov-2021 11:03:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D

Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2	Worklist Smp#:	26
Client ID:	WS-11201415-111521-SG-001				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

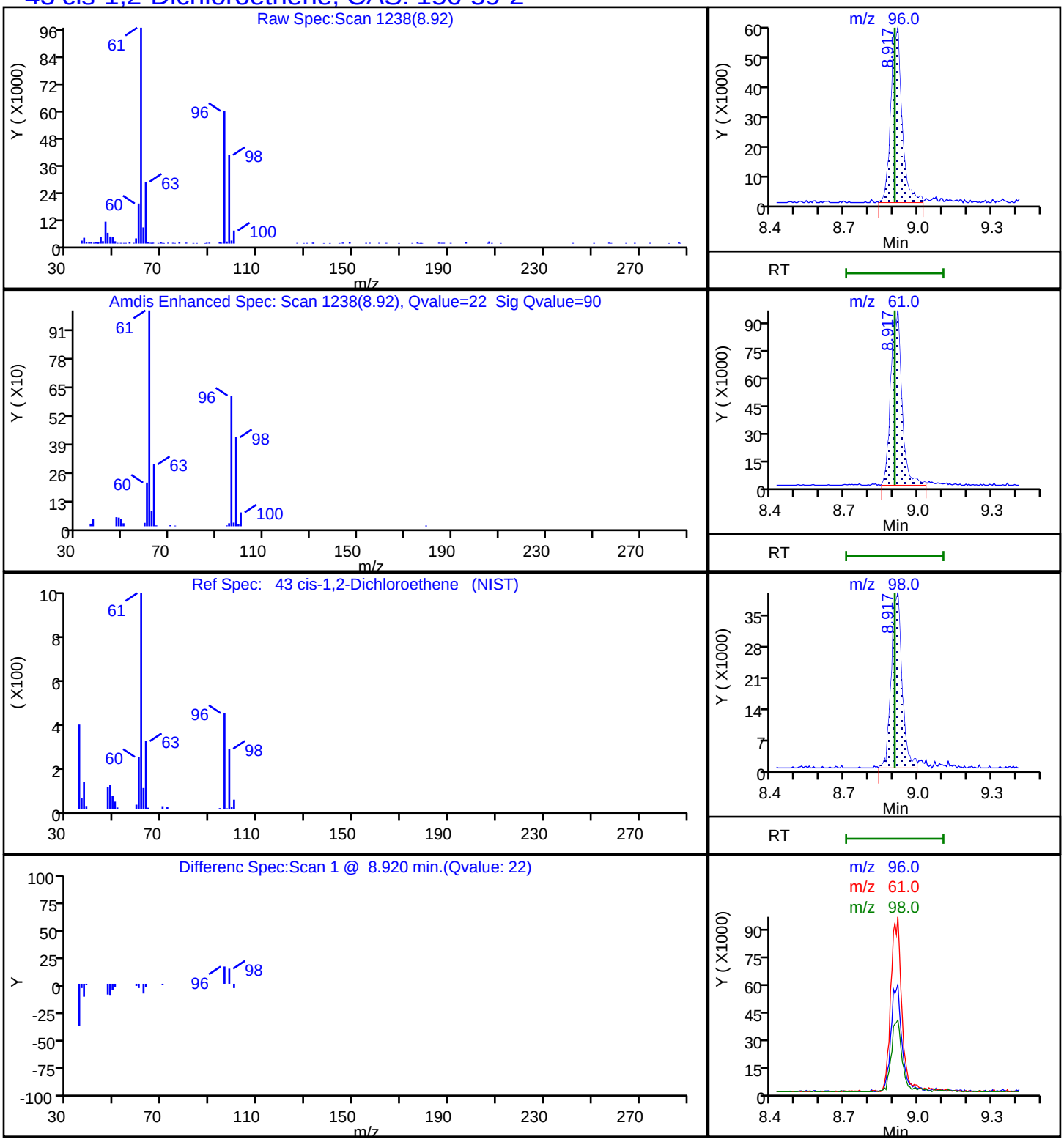
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D				
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2		
Client ID:	WS-11201415-111521-SG-001				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

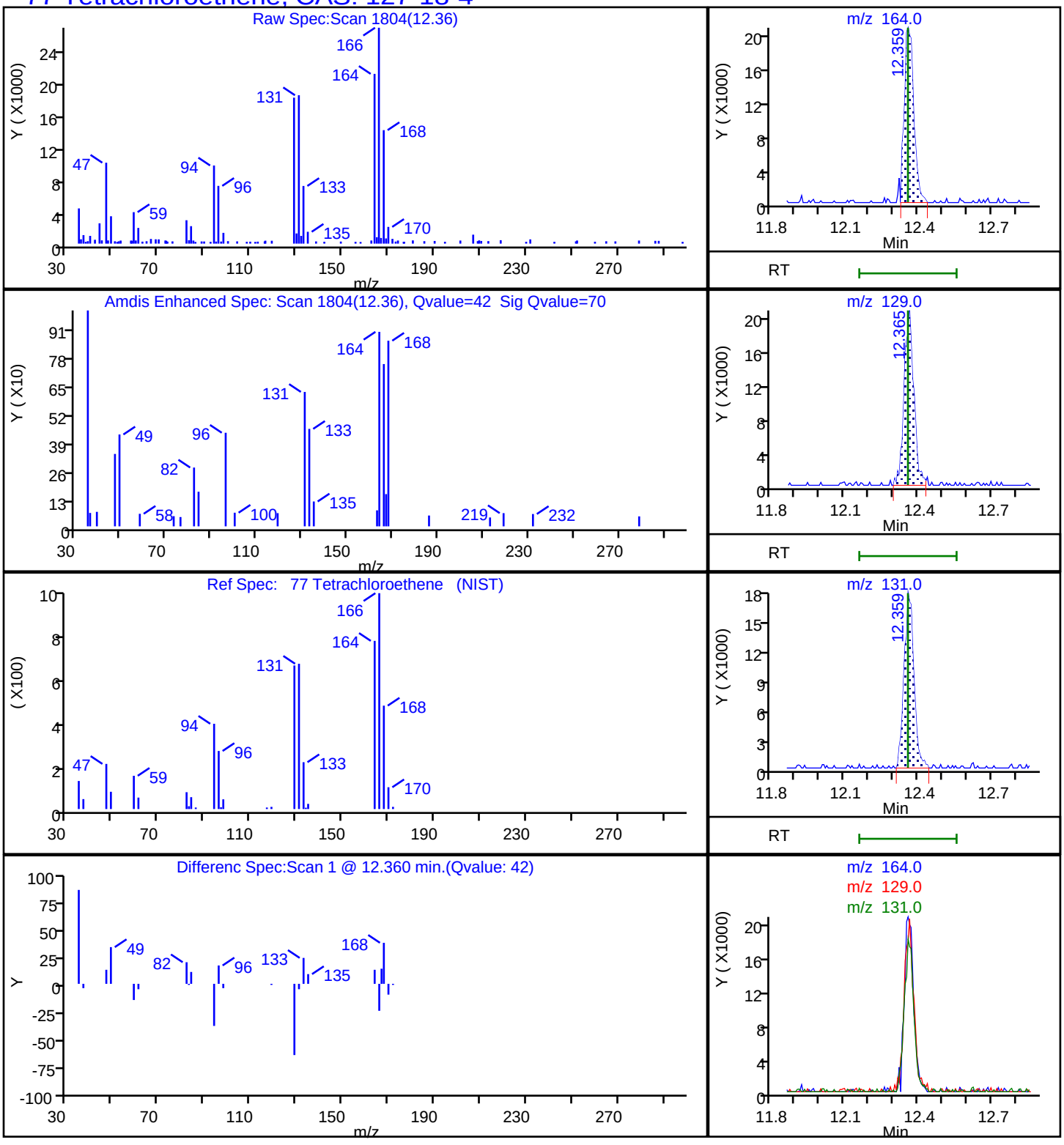


Report Date: 23-Nov-2021 11:03:42 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D		
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2
Client ID:	WS-11201415-111521-SG-001		
Operator ID:	0034635	ALS Bottle#:	26 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

77 Tetrachloroethene, CAS: 127-18-4

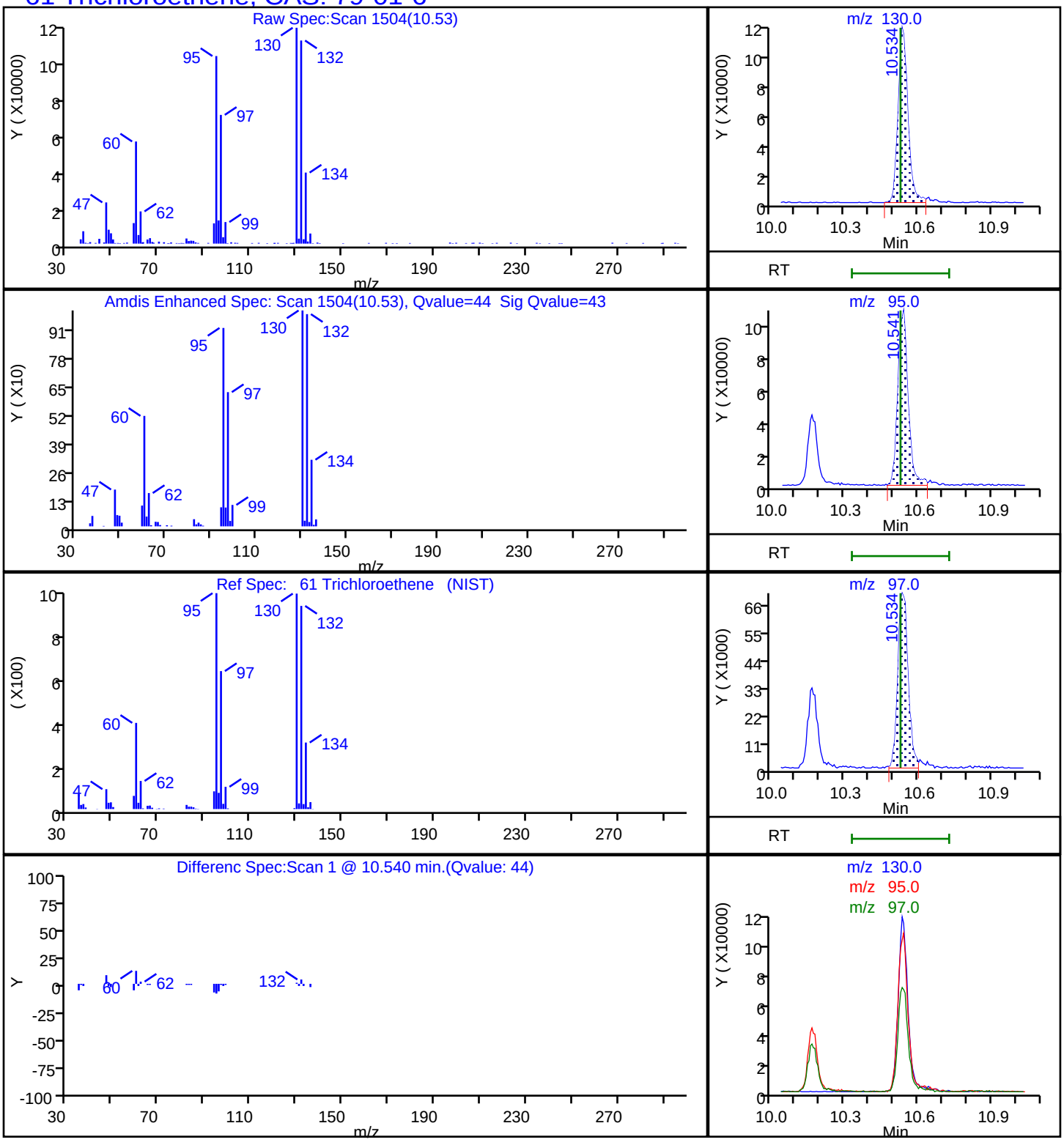


Report Date: 23-Nov-2021 11:03:42 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D		
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2
Client ID:	WS-11201415-111521-SG-001		
Operator ID:	0034635	ALS Bottle#:	26 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

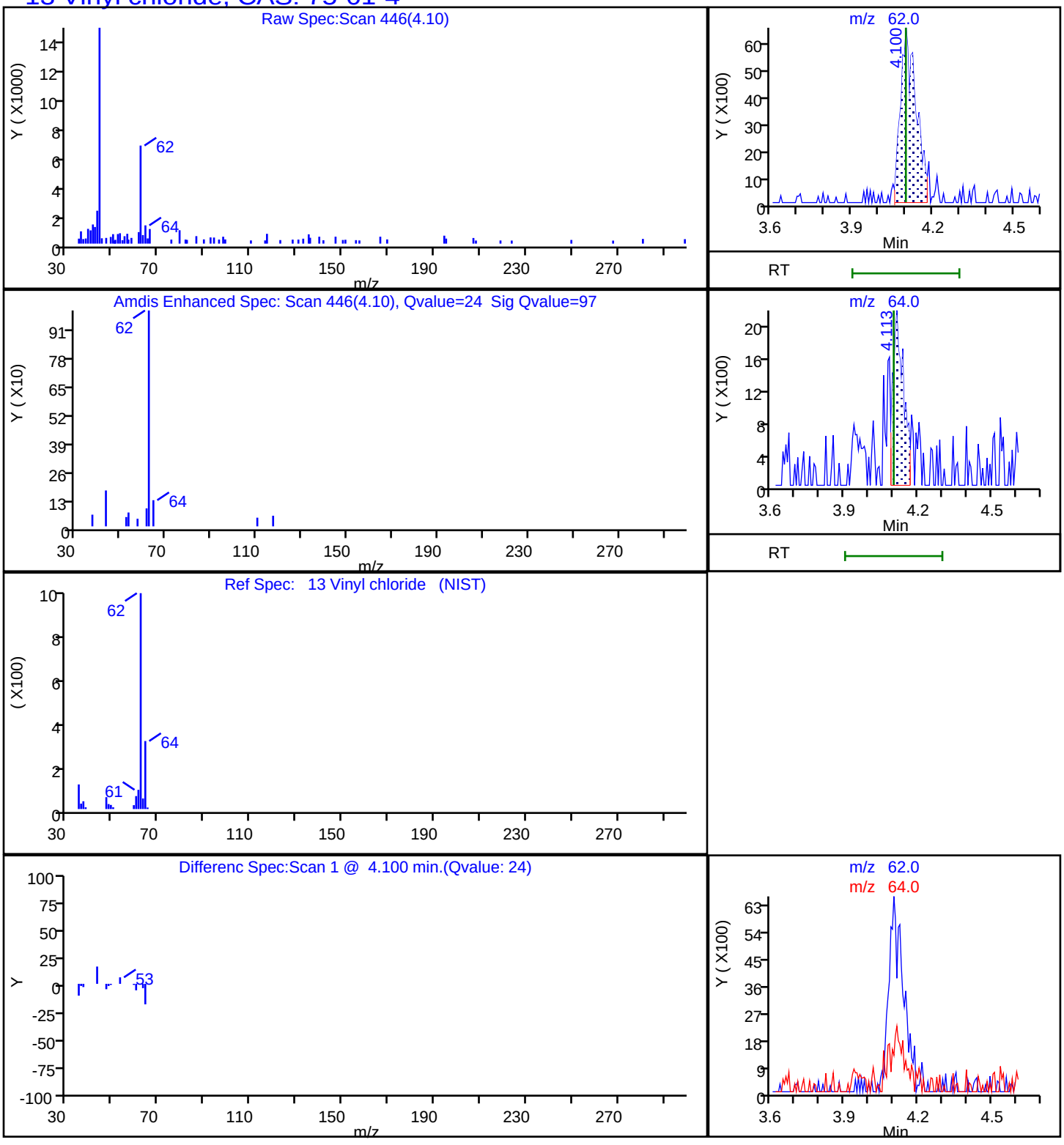
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D				
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2		
Client ID:	WS-11201415-111521-SG-001				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

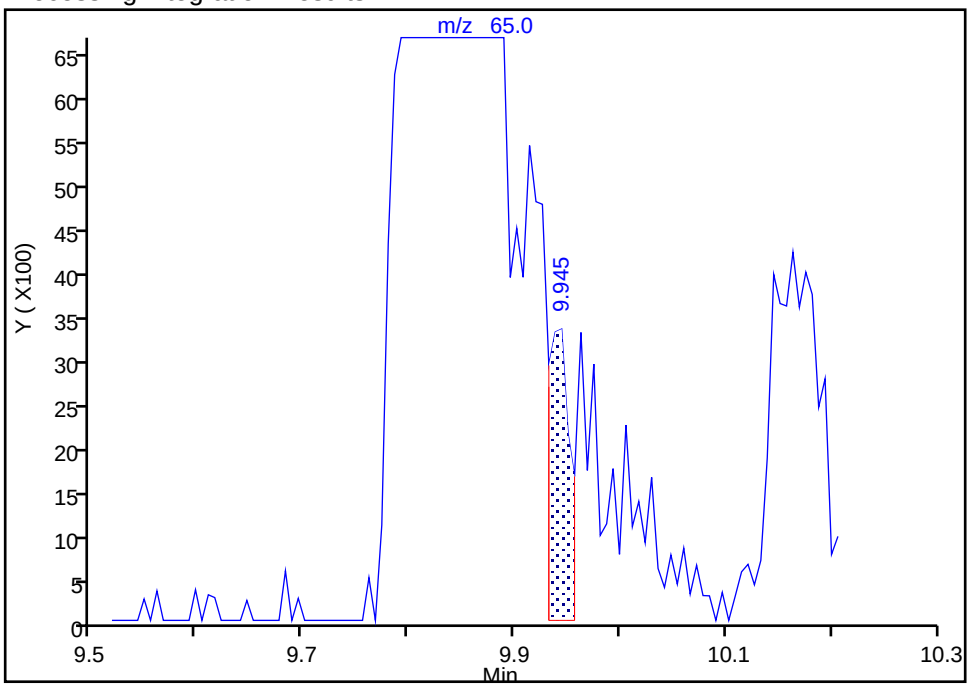
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D				
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2		
Client ID:	WS-11201415-111521-SG-001				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

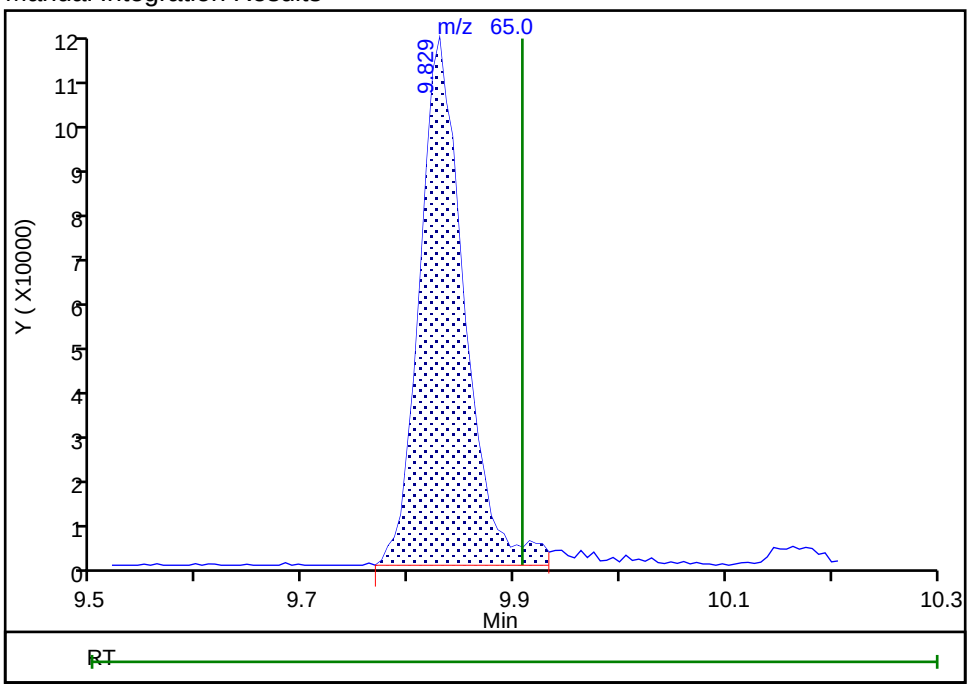
Processing Integration Results

RT: 9.94
Area: 4835
Amount: 0.515296
Amount Units: ng



Manual Integration Results

RT: 9.83
Area: 343190
Amount: 36.575905
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 07:14:04

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

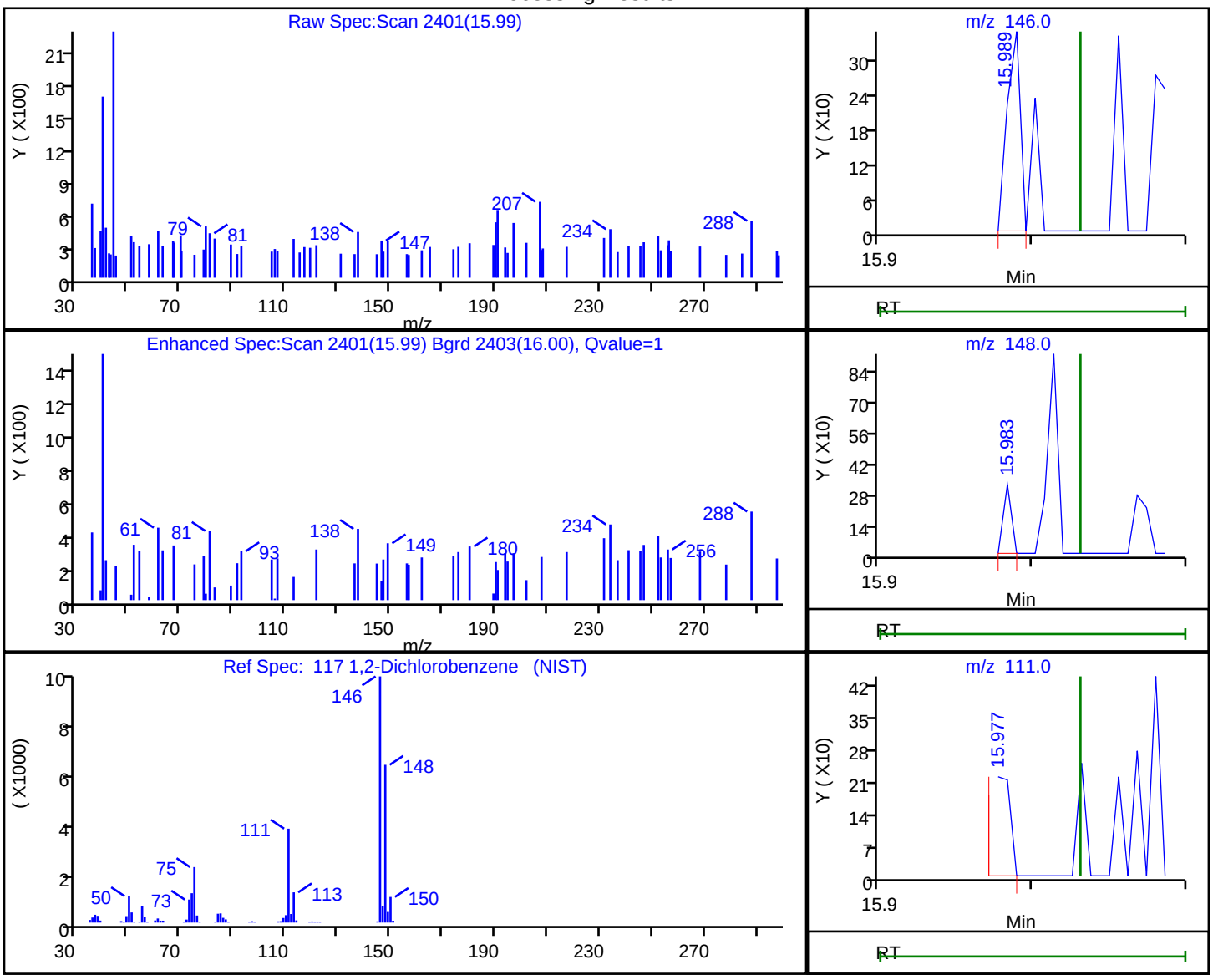
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D				
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2		
Client ID:	WS-11201415-111521-SG-001				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
15.99	146.00	205	0.029974
15.98	148.00	115	
15.98	111.00	157	

Reviewer: journetp, 23-Nov-2021 10:58:32

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

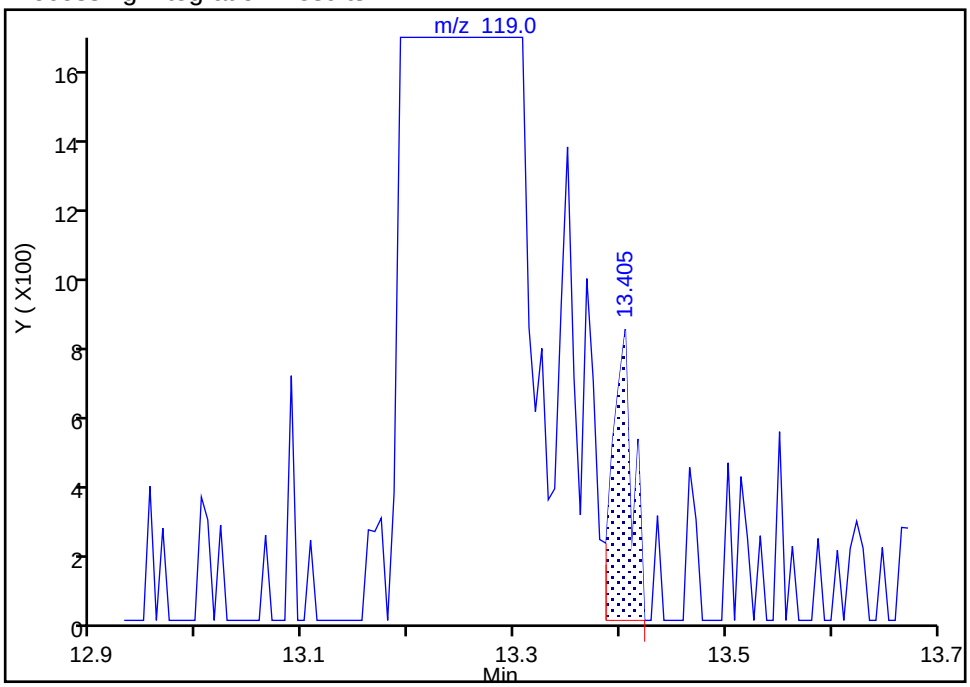
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122026.D				
Injection Date:	23-Nov-2021 00:45:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2	Lab Sample ID:	180-130108-2		
Client ID:	WS-11201415-111521-SG-001				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

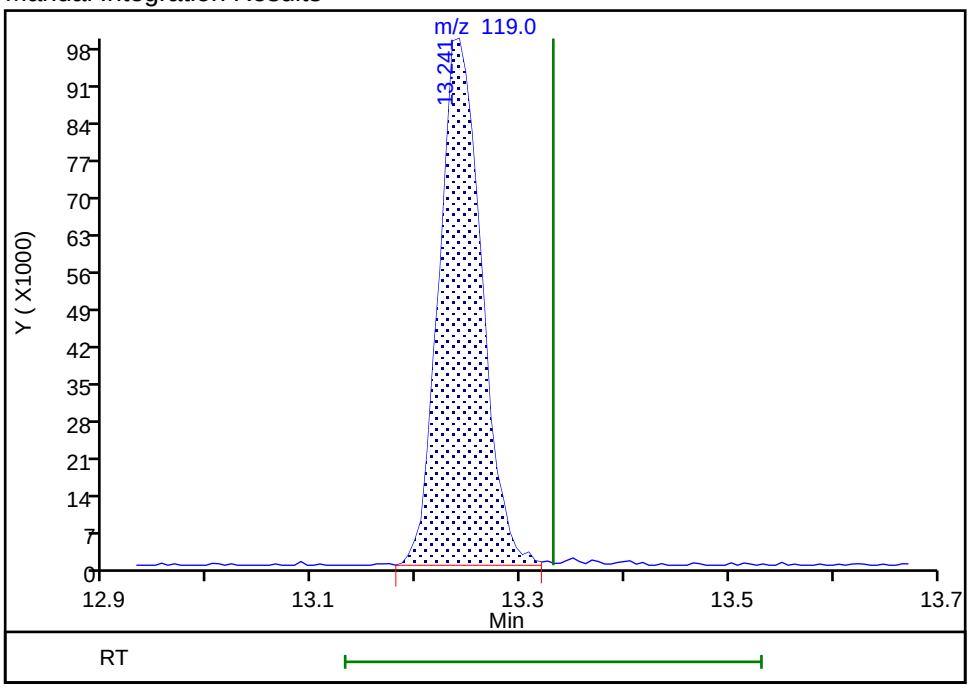
Processing Integration Results

RT: 13.40
Area: 1093
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 282101
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 07:14:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-002 Lab Sample ID: 180-130108-3

Matrix: Water Lab File ID: 61124018.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 18:08

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		28-163
460-00-4	4-Bromofluorobenzene (Surr)	63		41-122
2037-26-5	Toluene-d8 (Surr)	104		53-125
1868-53-7	Dibromofluoromethane (Surr)	109		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D
Lims ID: 180-130108-D-3
Client ID: WS-11201415-111521-SG-002
Sample Type: Client
Inject. Date: 24-Nov-2021 18:08:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-018
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:48:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.301	7.307	-0.006	40	336365	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.161	0.005	35	1414632	50.0	
* 3 Chlorobenzene-d5	119	13.239	13.245	-0.007	30	282368	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.635	15.624	0.011	29	245188	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.449	-0.001	47	327760	54.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	380690	40.9	
$ 7 Toluene-d8 (Surr)	98	11.766	11.767	-0.001	41	1311295	51.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	265035	31.6	
24 Acetone	43	6.589	6.577	0.012	7	64874	21.7	
31 Methylene Chloride	84	7.271	7.271	0.000	97	46938	1.03	a
36 Hexane	57	8.001	8.001	0.000	14	31394	2.55	
43 cis-1,2-Dichloroethene	96	8.925	8.907	0.018	81	15212	1.78	a
50 Chloroform	83	9.278	9.272	0.006	38	41592	2.96	
61 Trichloroethene	130	10.544	10.532	0.012	43	12656	1.62	
63 Methylcyclohexane	83	10.793	10.793	0.000	49	4764	1.78	M
112 1,2,3-Trimethylbenzene	105	15.660	15.655	0.005	0	361	NC	
115 Benzyl chloride	91	15.867	15.941	-0.074	1	91	NC	
126 2,4,5-Trichlorotoluene	159	16.000	16.008	-0.008	1	89	NC	
S 130 1,2-Dichloroethene, Total	96				0		1.78	
T 157 Ethanol TIC	45	14.881	14.888	-0.007	0	228	0.008059	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

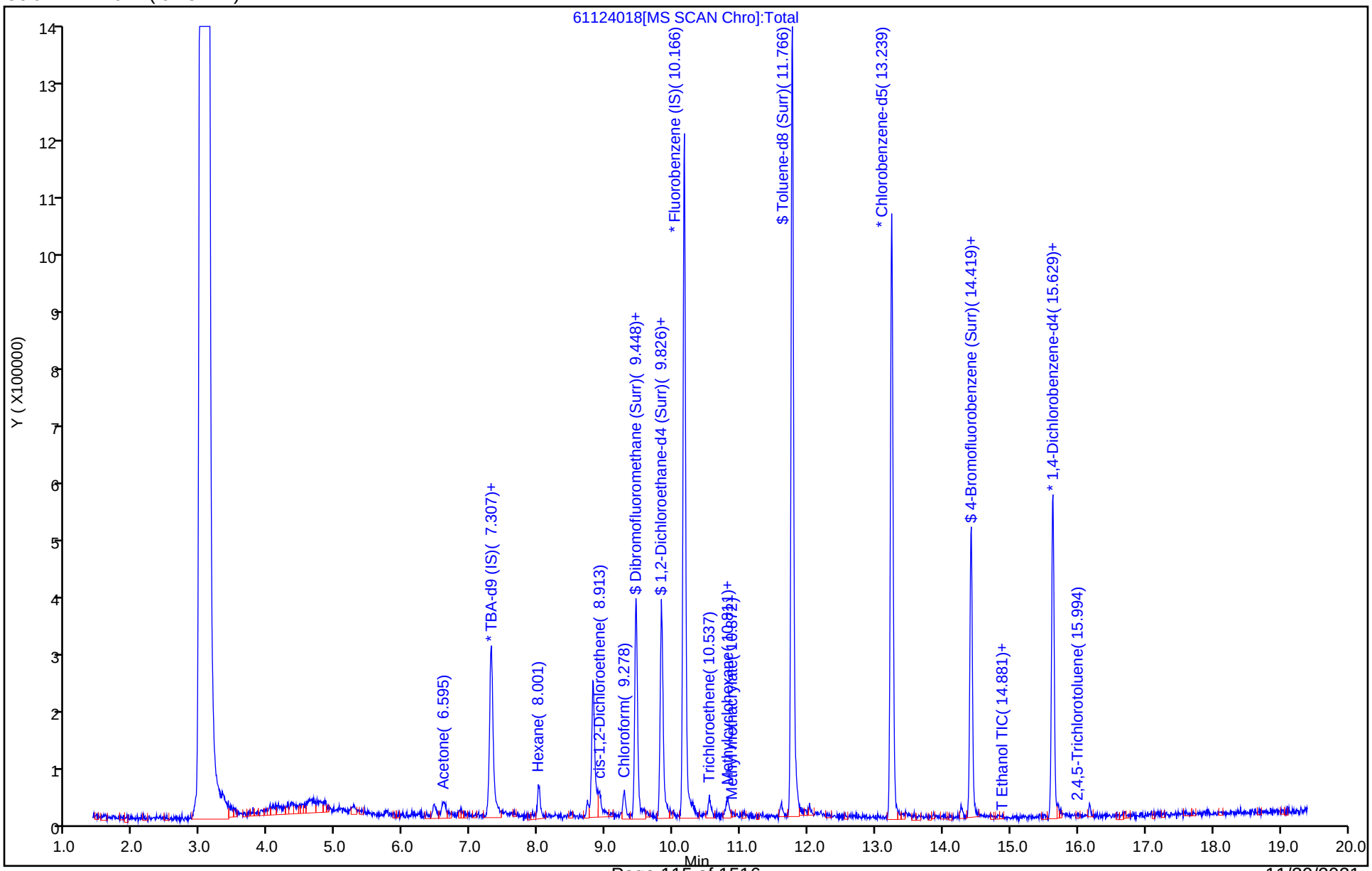
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Nov-2021 11:21:51 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3	Worklist Smp#:	18
Client ID:	WS-11201415-111521-SG-002				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



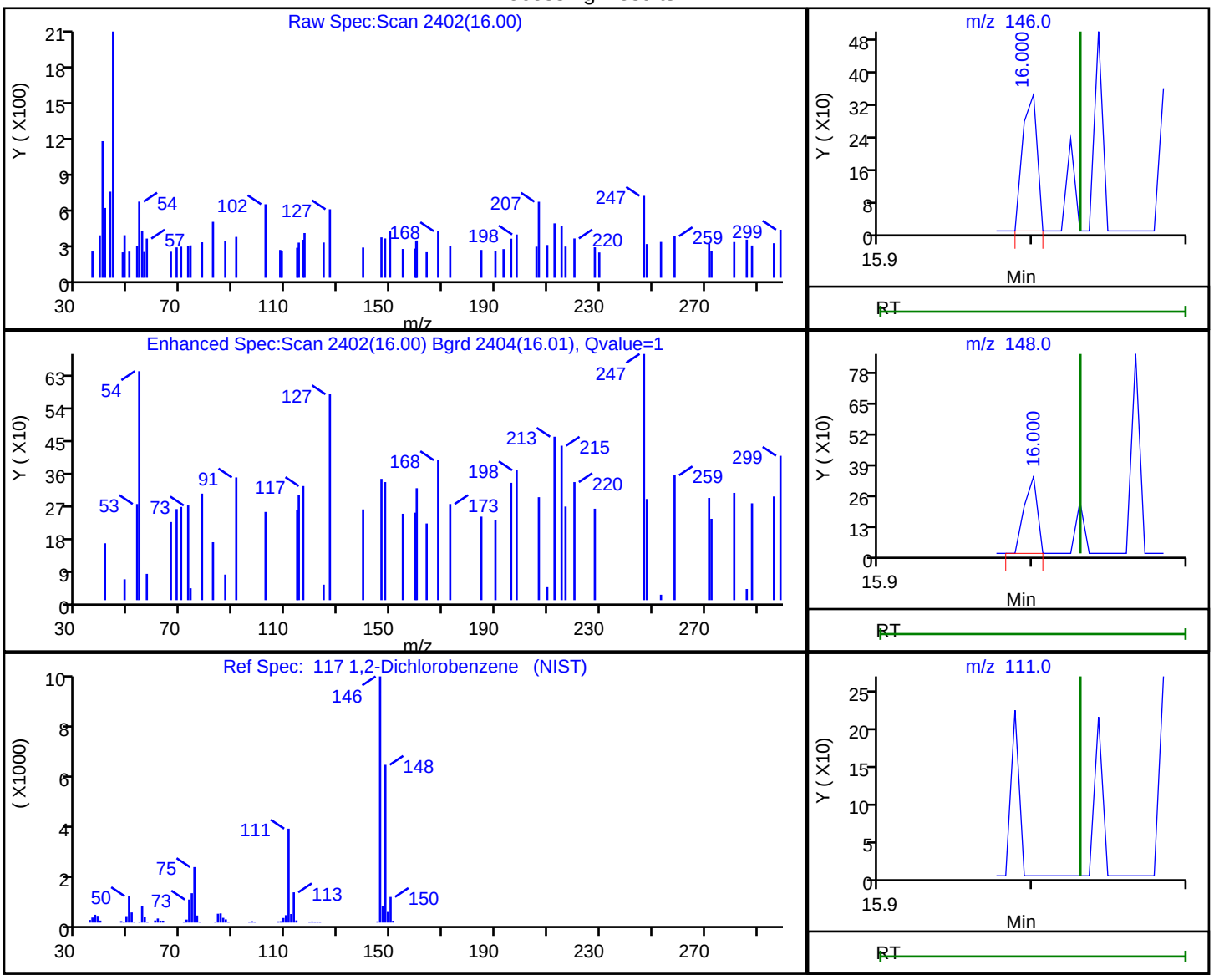
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.00	146.00	222	0.031471
16.00	148.00	194	
16.03	111.00	0	

Reviewer: journetp, 26-Nov-2021 11:12:25

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

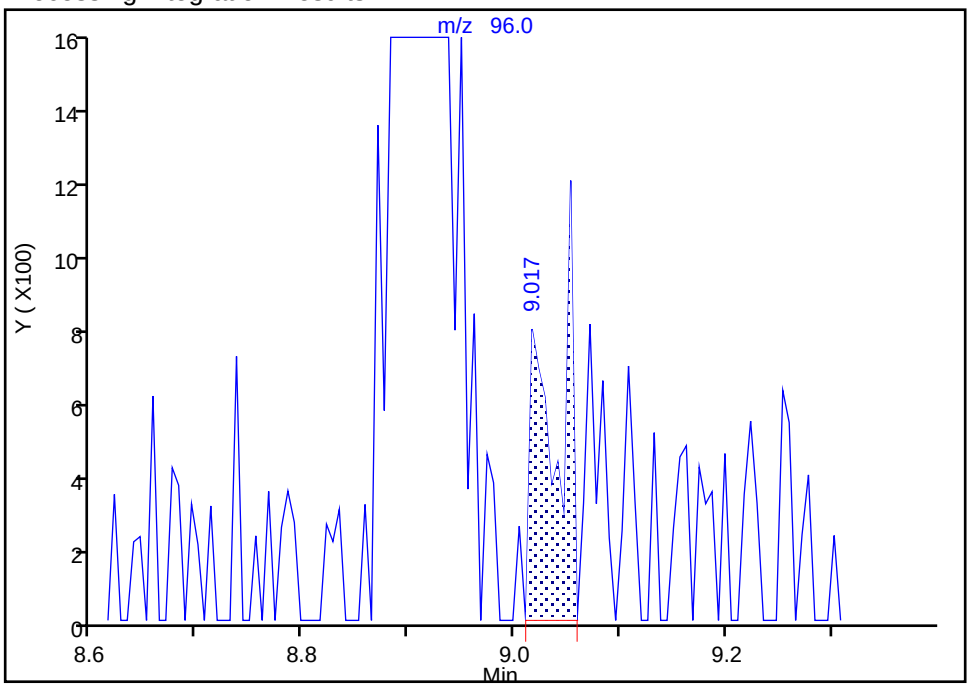
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

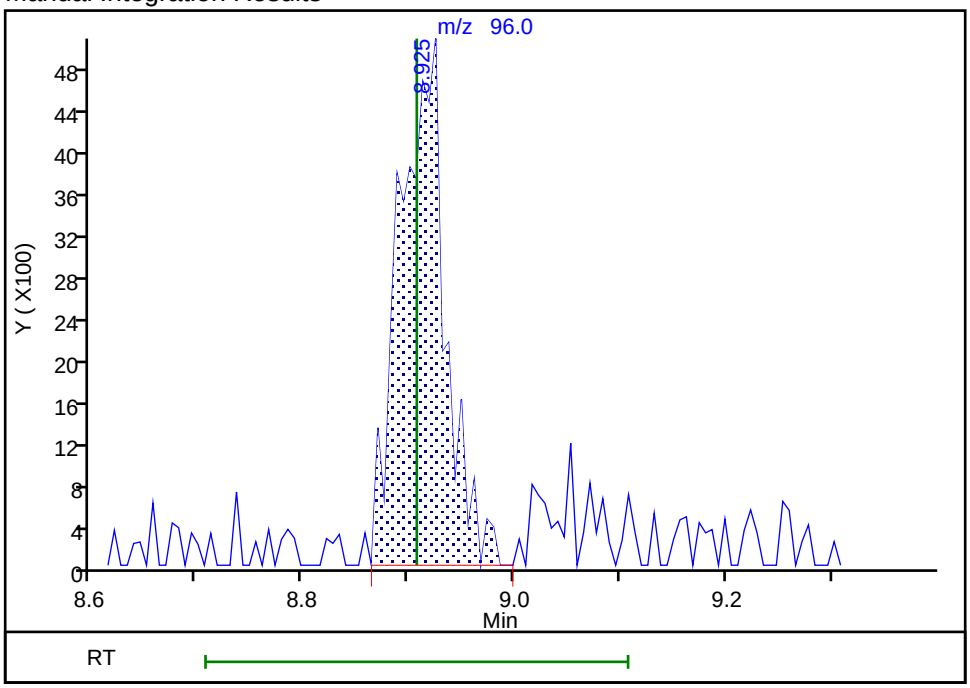
Processing Integration Results

RT: 9.02
Area: 1562
Amount: 0.182447
Amount Units: ng



Manual Integration Results

RT: 8.93
Area: 15212
Amount: 1.776818
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:47:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

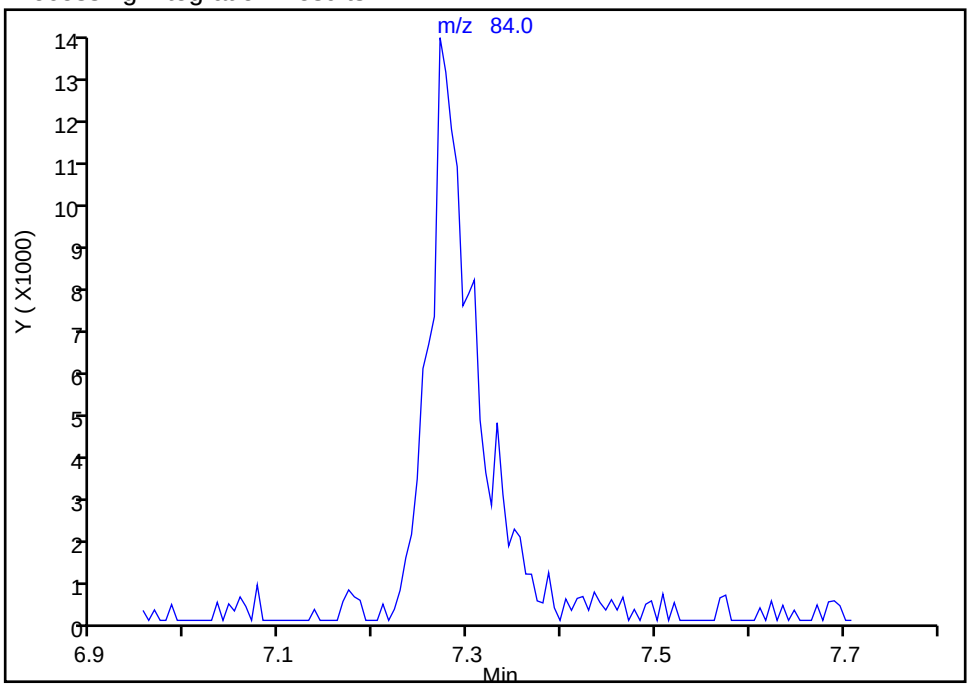
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

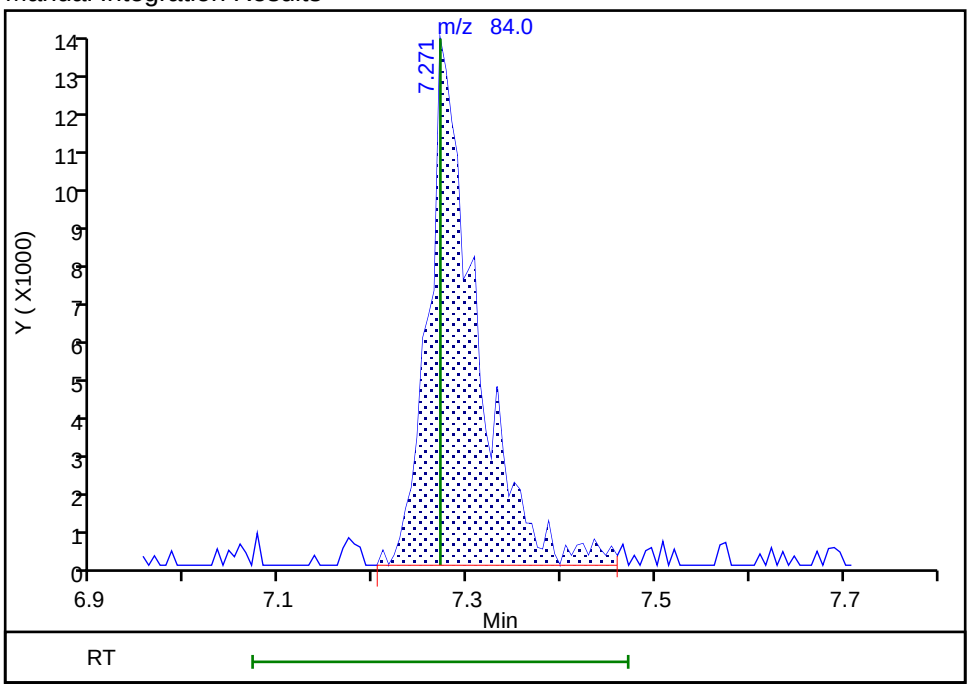
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.27
Area: 46938
Amount: 1.031729
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:47:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

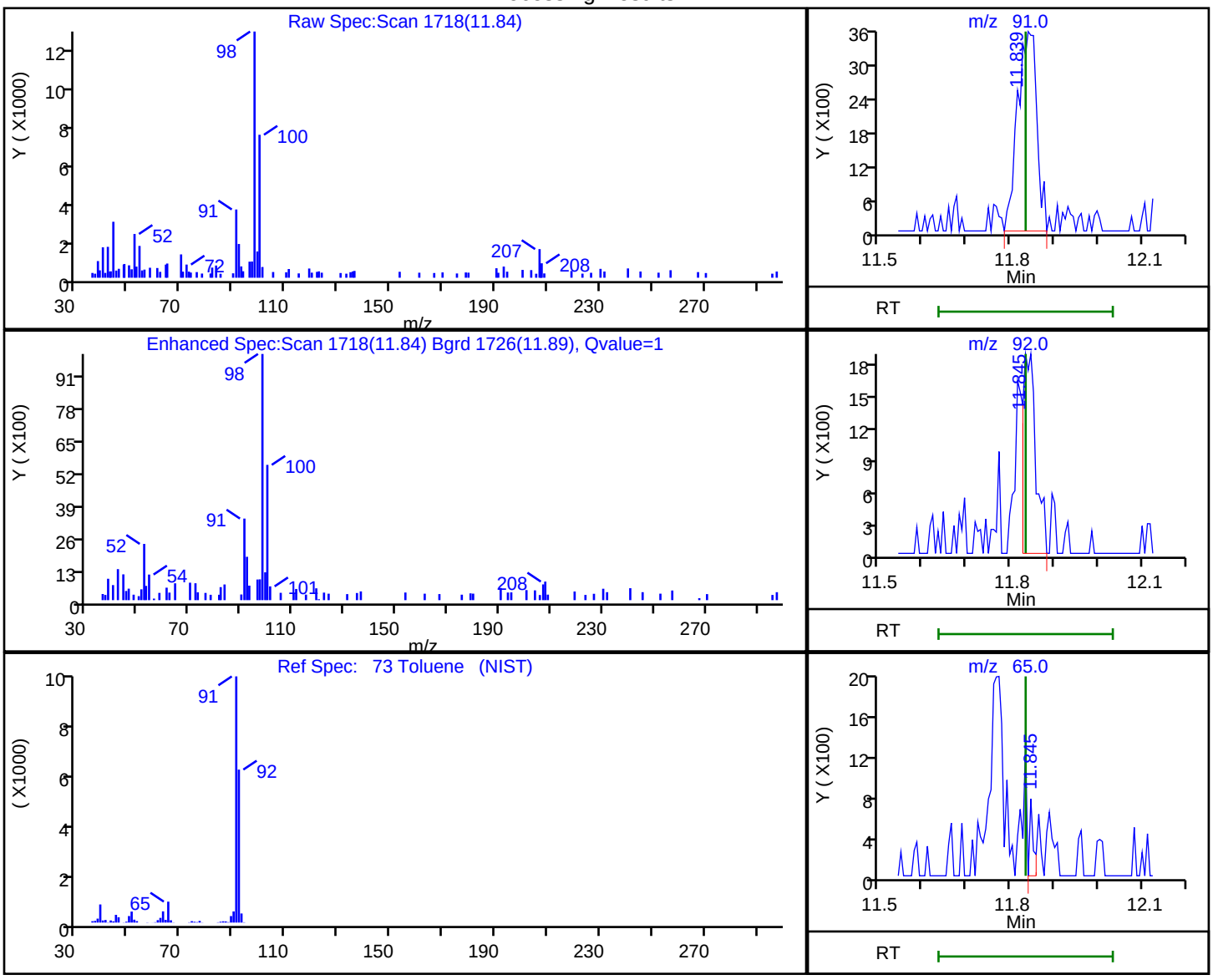
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
11.84	91.00	10895	0.343917
11.85	92.00	3881	
11.85	65.00	431	

Reviewer: journetp, 26-Nov-2021 11:12:07

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

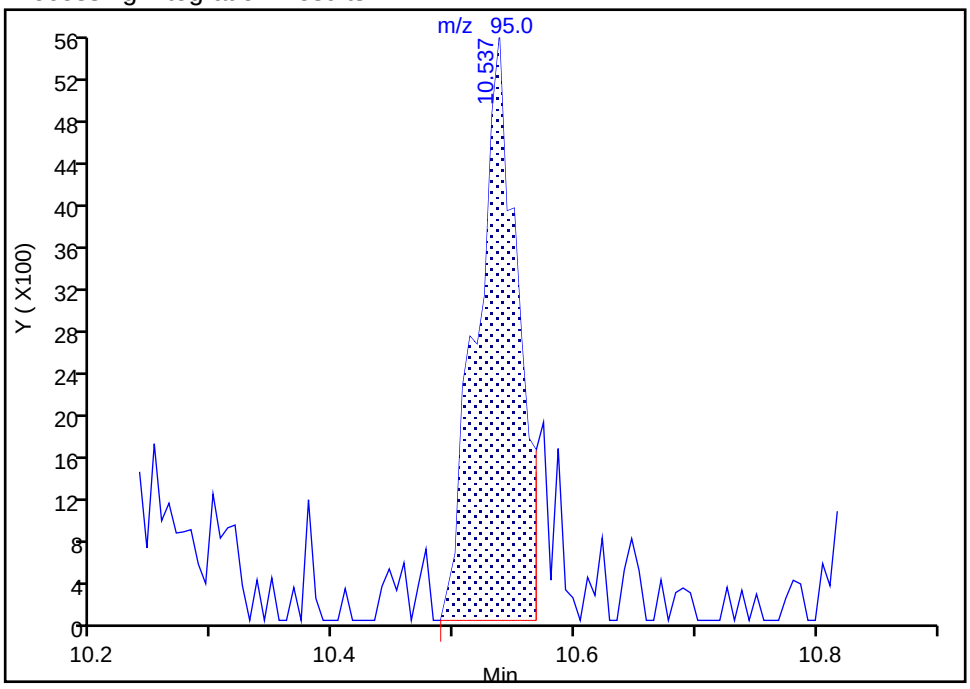
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Signal: 2

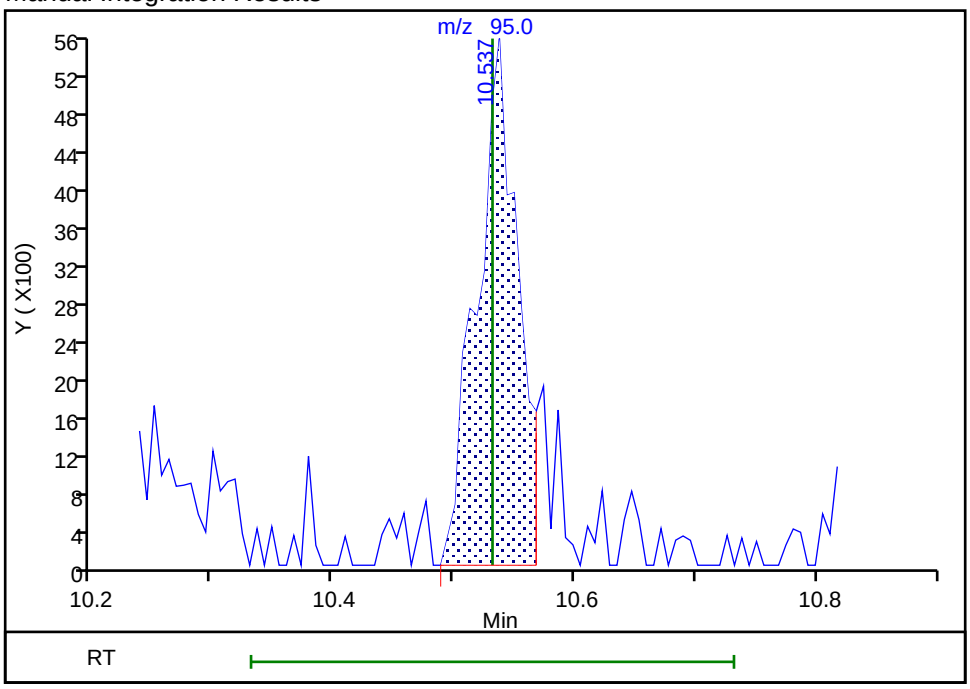
Processing Integration Results

RT: 10.54
Area: 13116
Amount: 1.618151
Amount Units: ng



Manual Integration Results

RT: 10.54
Area: 13116
Amount: 1.618151
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 11:11:51

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

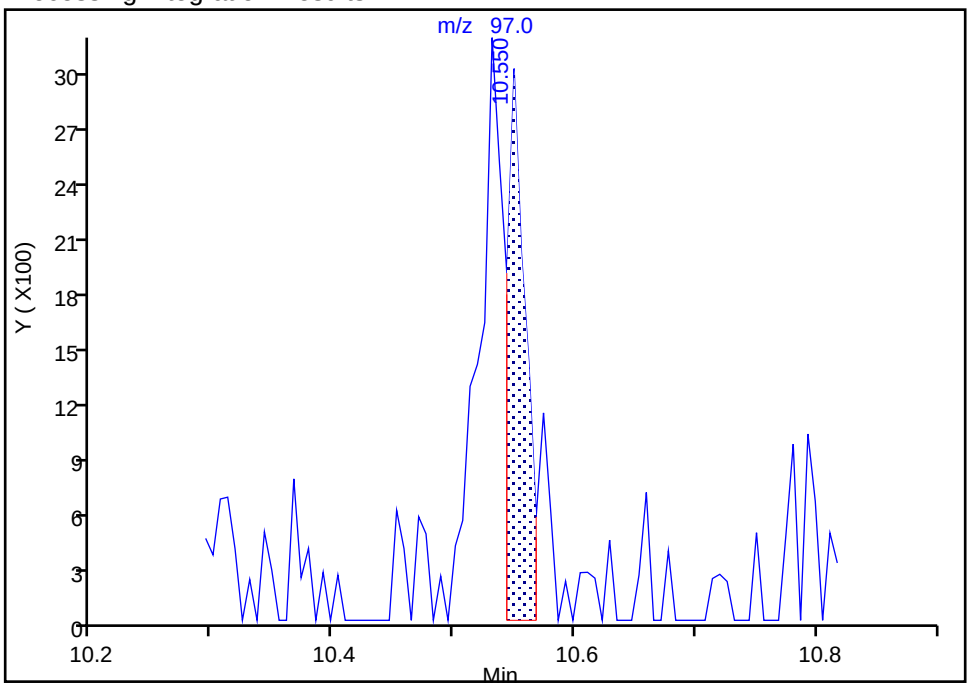
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124018.D				
Injection Date:	24-Nov-2021 18:08:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3	Lab Sample ID:	180-130108-3		
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Signal: 3

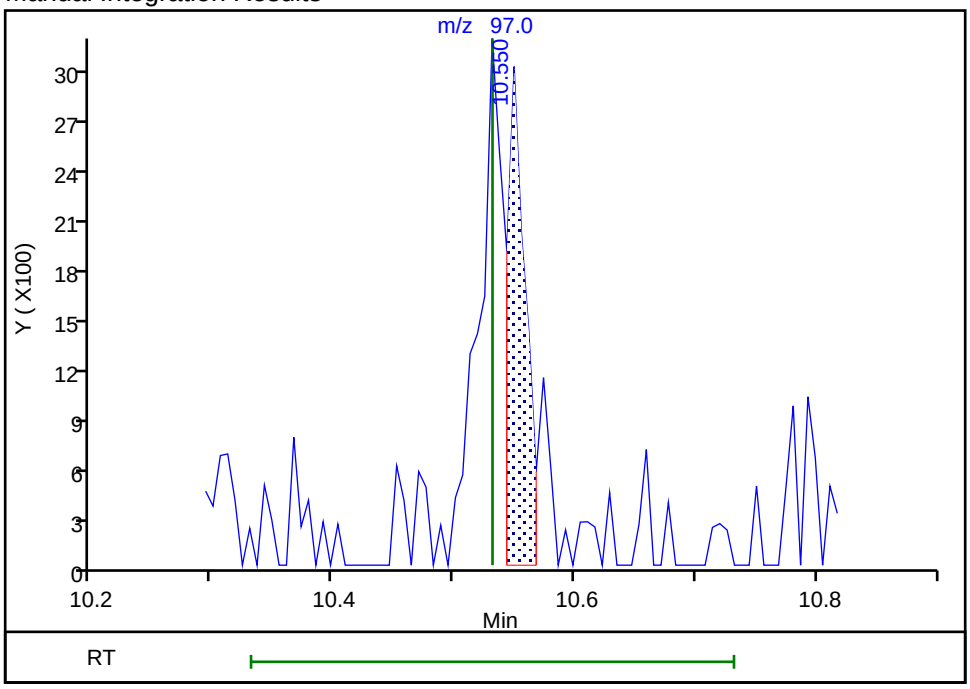
Processing Integration Results

RT: 10.55
Area: 3244
Amount: 1.618151
Amount Units: ng



Manual Integration Results

RT: 10.55
Area: 3244
Amount: 1.618151
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 11:11:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-003 Lab Sample ID: 180-130108-4

Matrix: Water Lab File ID: 61124021.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:25

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 19:37

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		28-163
460-00-4	4-Bromofluorobenzene (Surr)	61		41-122
2037-26-5	Toluene-d8 (Surr)	96		53-125
1868-53-7	Dibromofluoromethane (Surr)	97		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D
Lims ID: 180-130108-E-4
Client ID: WS-11201415-111521-SG-003
Sample Type: Client
Inject. Date: 24-Nov-2021 19:37:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-021
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 11:01:58

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	7.307	7.307	0.000	41	374915	1000.0	
*	2 Fluorobenzene (IS)	96	10.166	10.161	0.005	35	1688394	50.0	
*	3 Chlorobenzene-d5	119	13.238	13.245	-0.007	31	331178	50.0	
*	4 1,4-Dichlorobenzene-d4	152	15.629	15.624	0.005	31	287672	50.0	
$	5 Dibromofluoromethane (Surr)	113	9.448	9.449	-0.001	47	348076	48.7	
$	6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.826	-0.001	47	406828	36.6	
$	7 Toluene-d8 (Surr)	98	11.766	11.767	-0.001	41	1427522	48.1	
$	8 4-Bromofluorobenzene (Surr)	95	14.418	14.413	0.005	37	299316	30.4	

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

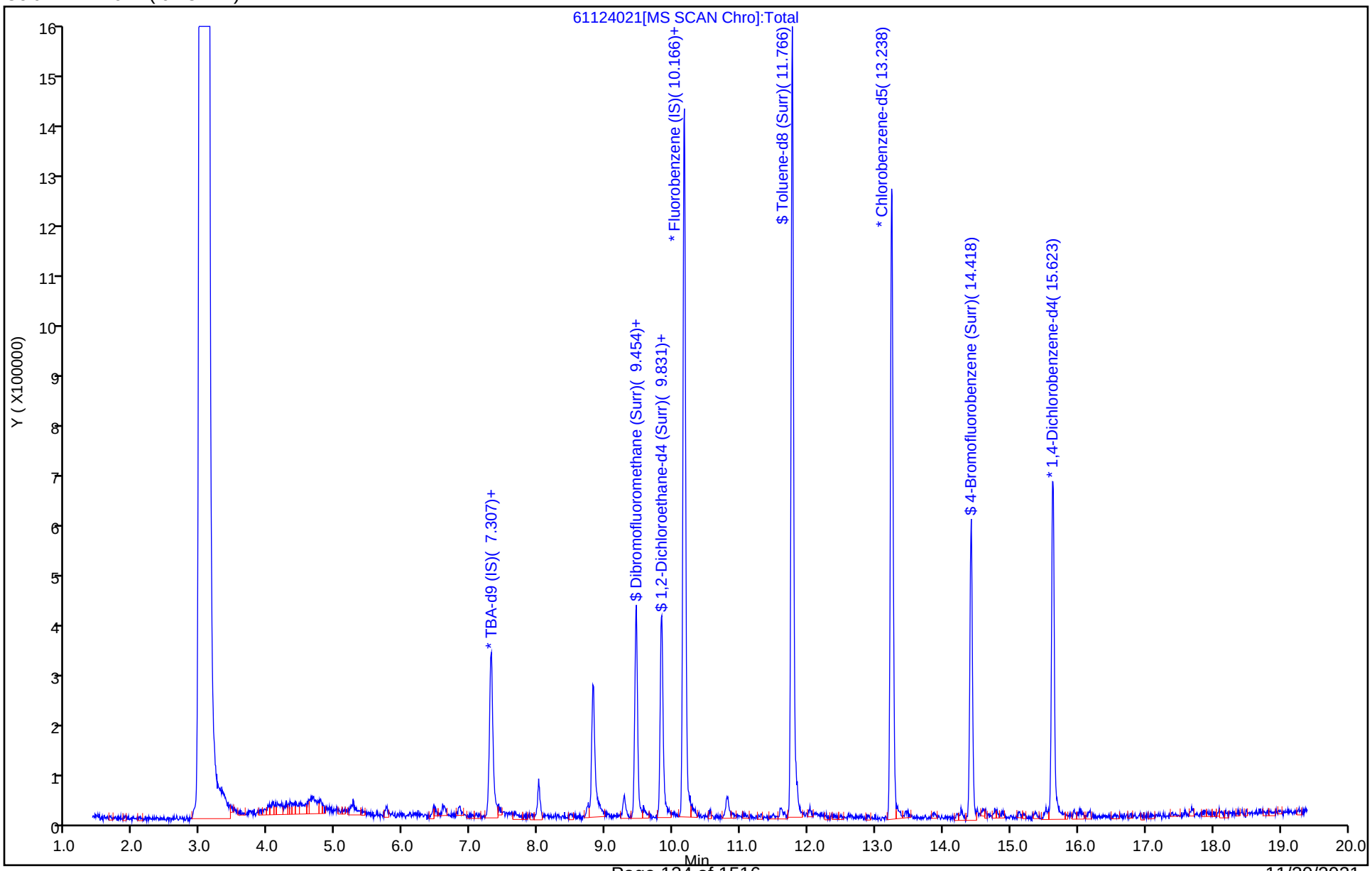
Report Date: 26-Nov-2021 11:21:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D

Injection Date:	24-Nov-2021 19:37:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-E-4	Lab Sample ID:	180-130108-4	Worklist Smp#:	21
Client ID:	WS-11201415-111521-SG-003				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



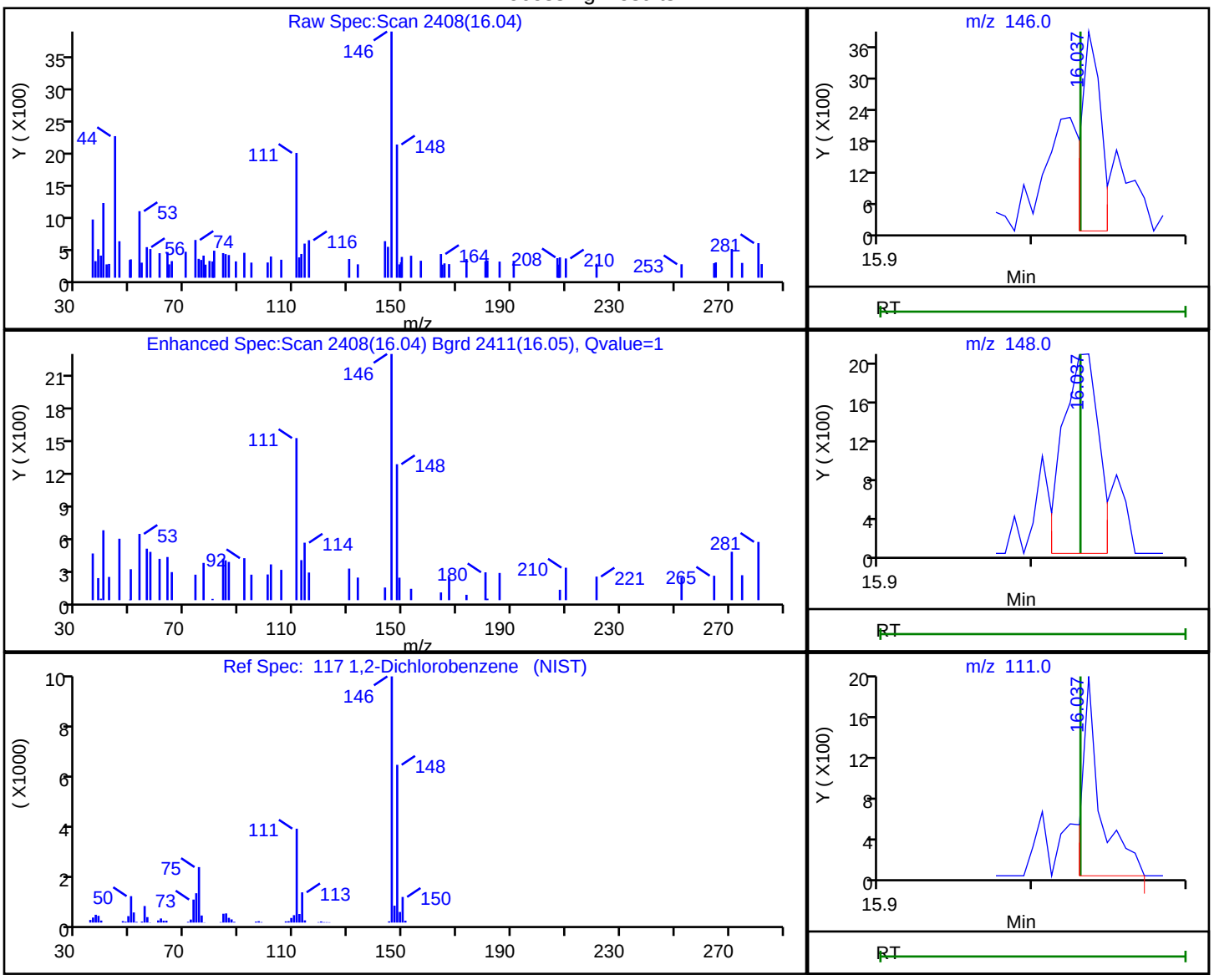
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D				
Injection Date:	24-Nov-2021 19:37:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-4	Lab Sample ID:	180-130108-4		
Client ID:	WS-11201415-111521-SG-003				
Operator ID:	0034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.04	146.00	3456	0.417578
16.04	148.00	3427	
16.04	111.00	1596	

Reviewer: journetp, 26-Nov-2021 11:01:50

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

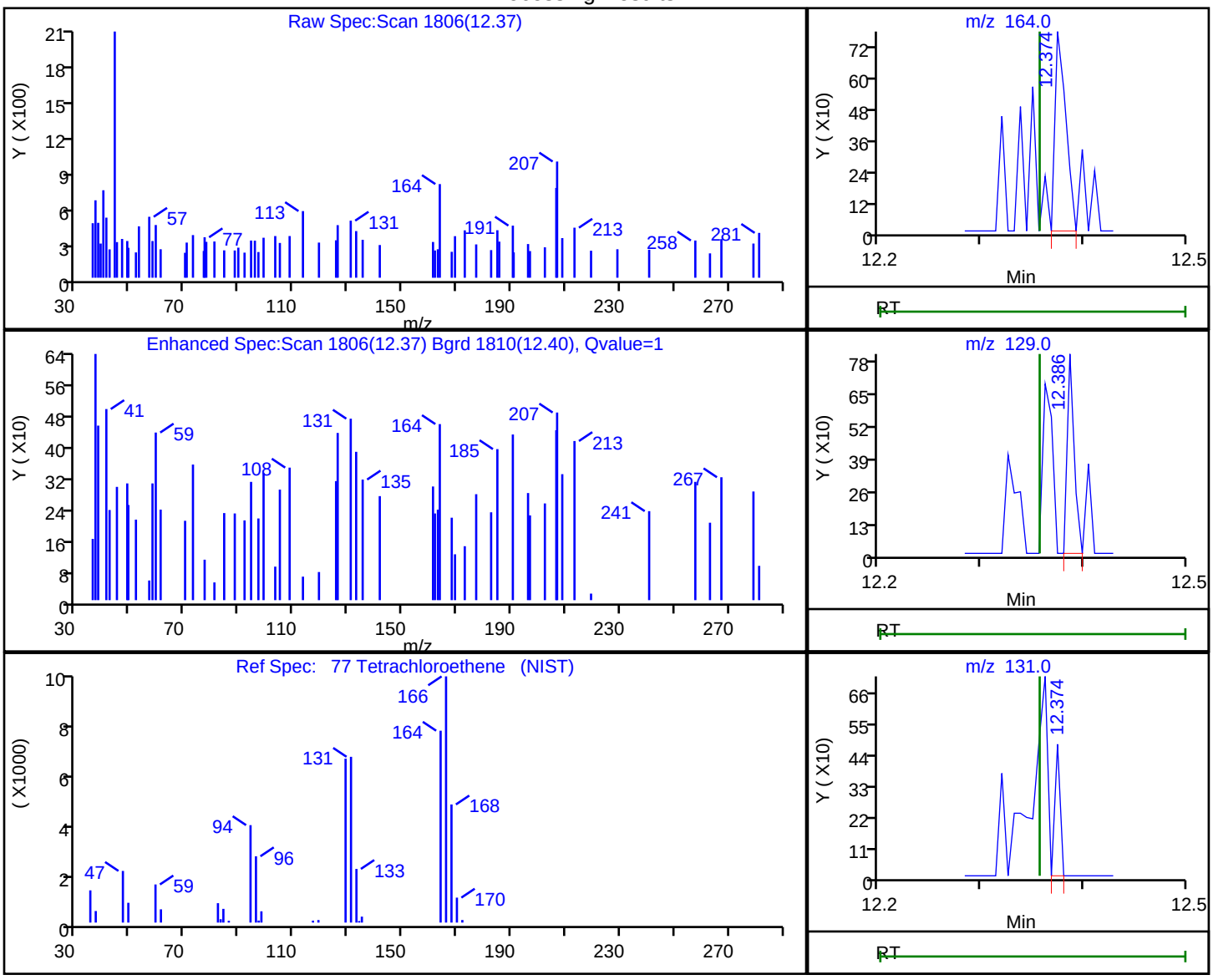
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D				
Injection Date:	24-Nov-2021 19:37:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-4	Lab Sample ID:	180-130108-4		
Client ID:	WS-11201415-111521-SG-003				
Operator ID:	0034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

77 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
12.37	164.00	571	0.080687
12.39	129.00	381	
12.37	131.00	172	

Reviewer: journetp, 26-Nov-2021 11:01:50

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

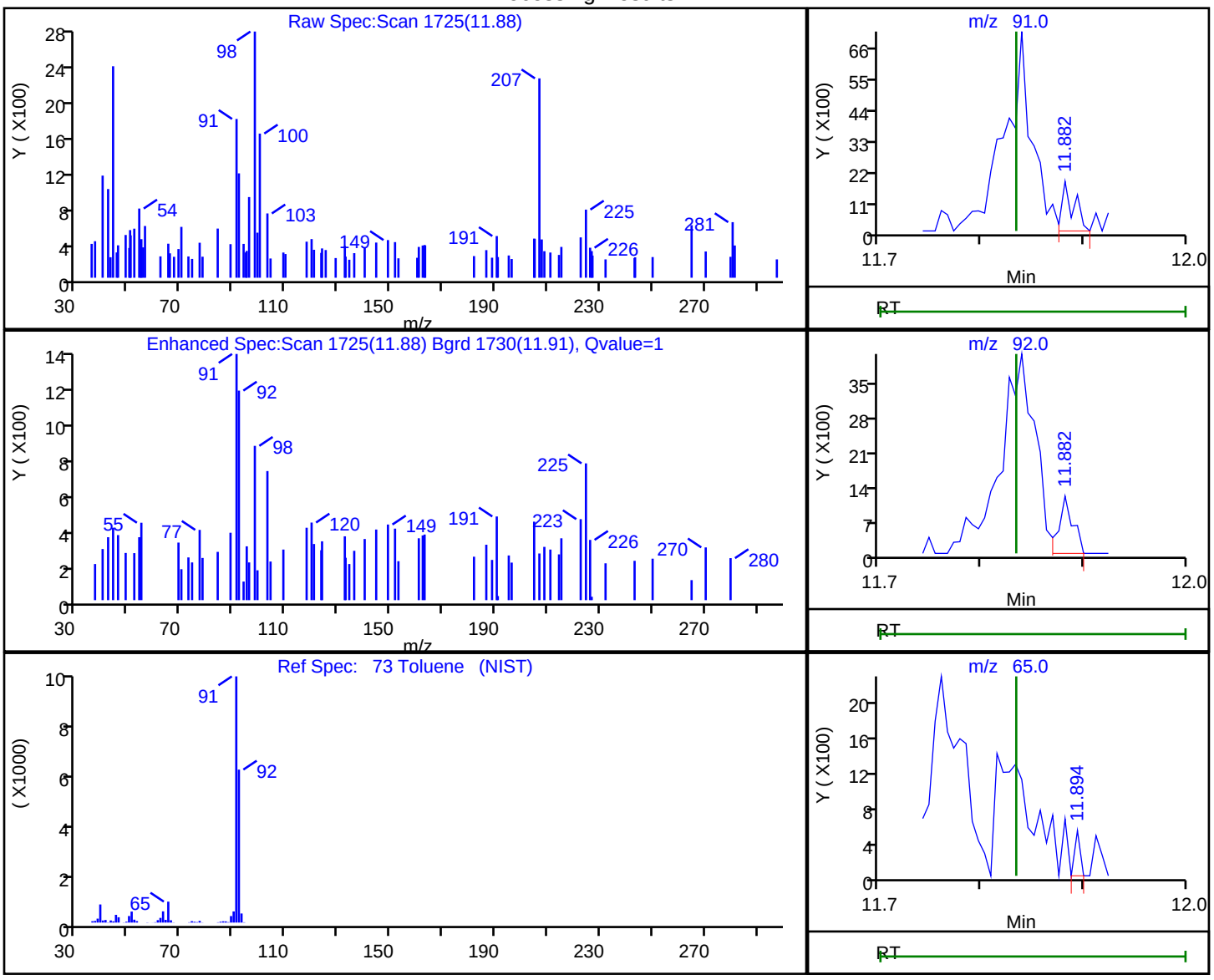
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D		
Injection Date:	24-Nov-2021 19:37:30	Instrument ID:	CHHP6
Lims ID:	180-130108-E-4	Lab Sample ID:	180-130108-4
Client ID:	WS-11201415-111521-SG-003		
Operator ID:	0034635	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

73 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
11.88	91.00	1460	0.039295
11.88	92.00	1126	
11.89	65.00	190	

Reviewer: journetp, 26-Nov-2021 11:01:50

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

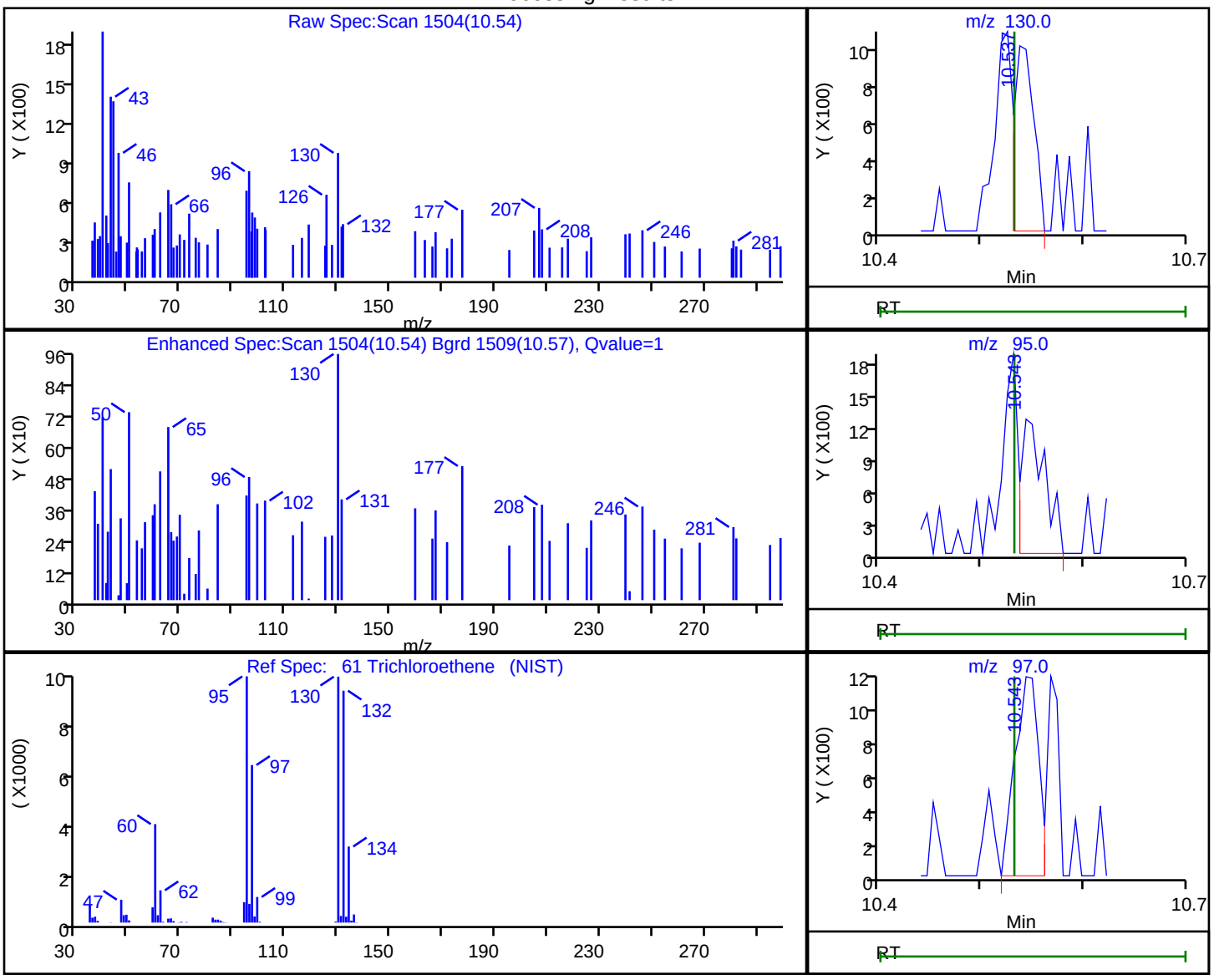
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124021.D				
Injection Date:	24-Nov-2021 19:37:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-4	Lab Sample ID:	180-130108-4		
Client ID:	WS-11201415-111521-SG-003				
Operator ID:	0034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
10.54	130.00	1294	0.138620
10.54	95.00	2055	
10.54	97.00	1935	

Reviewer: journetp, 26-Nov-2021 11:01:49

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-004 Lab Sample ID: 180-130108-5

Matrix: Water Lab File ID: 61124022.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 20:07

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	6.2		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	*Trichloroethene*	*71*	*E*	*1.0*	*0.69*
75-01-4	Vinyl chloride	0.53	J	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		28-163
460-00-4	4-Bromofluorobenzene (Surr)	61		41-122
2037-26-5	Toluene-d8 (Surr)	102		53-125
1868-53-7	Dibromofluoromethane (Surr)	103		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D
Lims ID: 180-130108-E-5
Client ID: WS-11201415-111521-SG-004
Sample Type: Client
Inject. Date: 24-Nov-2021 20:07:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-022
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:51:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	40	285203	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.161	0.005	35	1552955	50.0	
* 3 Chlorobenzene-d5	119	13.245	13.245	0.000	30	307072	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.624	0.005	29	246194	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.449	9.449	0.000	47	337958	51.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.832	9.826	0.006	47	379759	37.1	
$ 7 Toluene-d8 (Surr)	98	11.766	11.767	-0.001	41	1399498	50.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	38	279471	30.6	
13 Vinyl chloride	62	4.119	4.101	0.018	55	27942	2.64	a
43 cis-1,2-Dichloroethene	96	8.913	8.907	0.006	22	292912	31.2	
61 Trichloroethene	130	10.537	10.532	0.005	44	3063283	356.8	E
77 Tetrachloroethene	164	12.362	12.357	0.005	42	14640	2.23	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
Review Flags
a - User Assigned ID

Reagents:

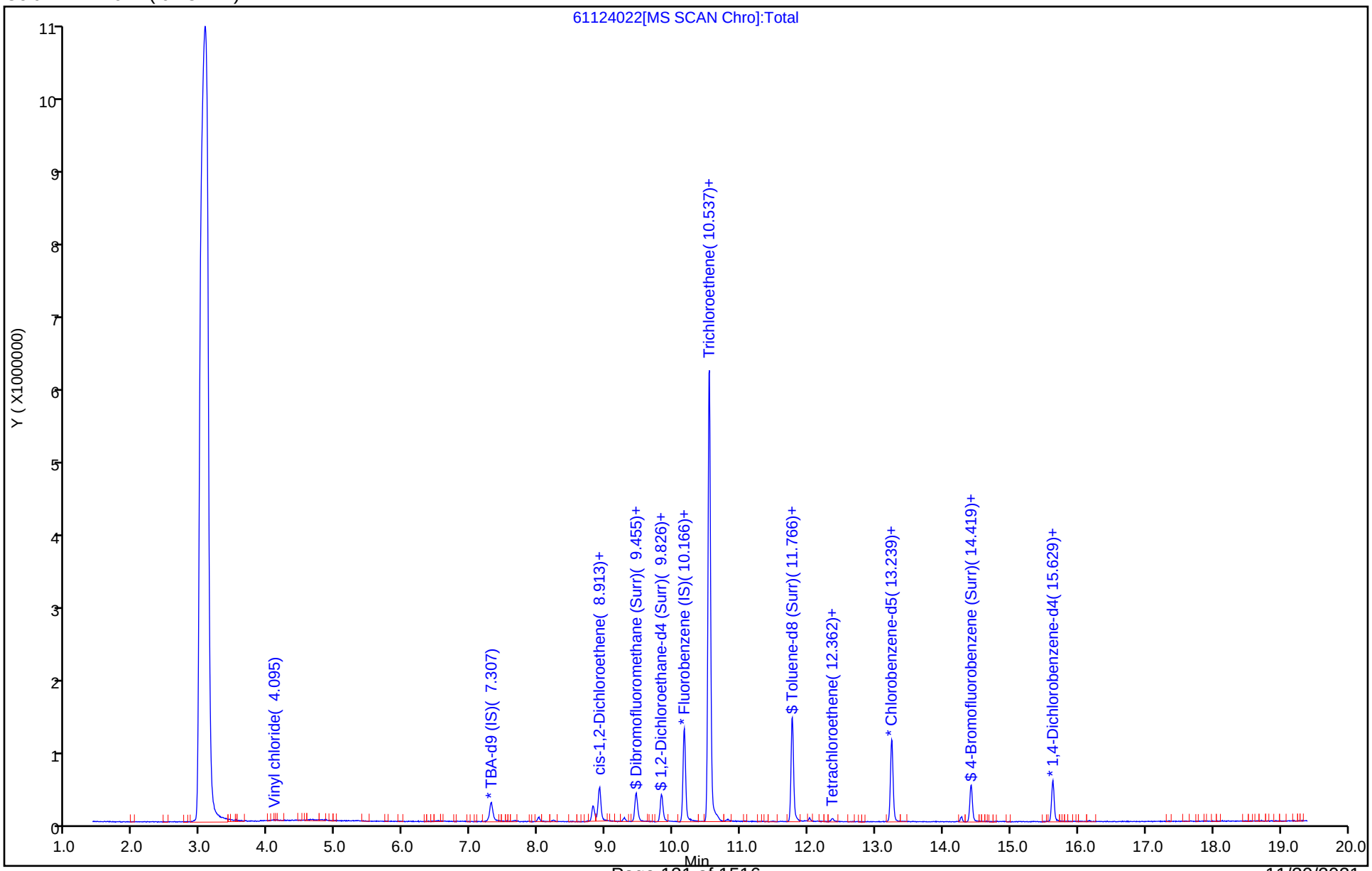
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 26-Nov-2021 11:22:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5	Worklist Smp#:	22
Client ID:	WS-11201415-111521-SG-004				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

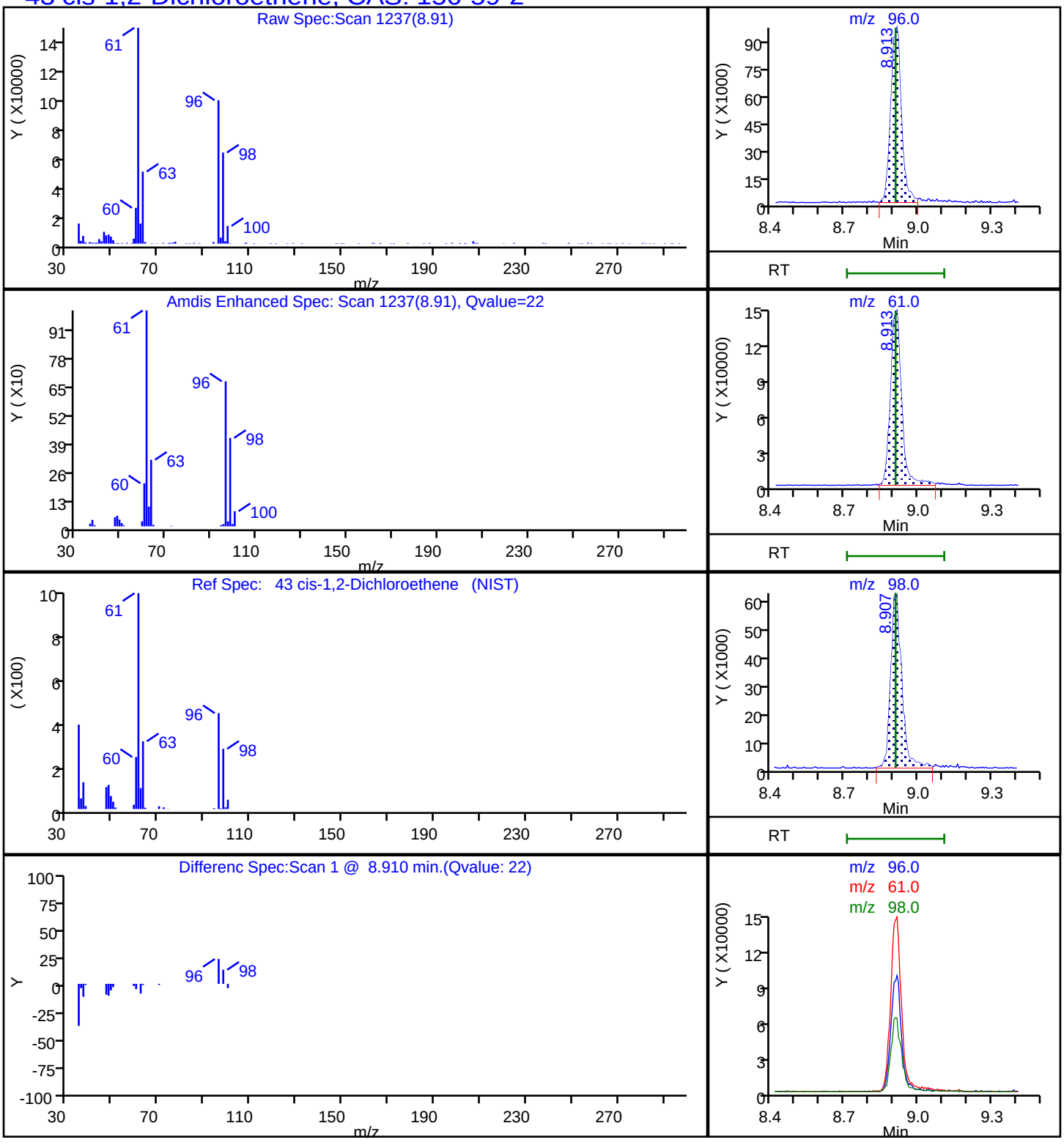
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

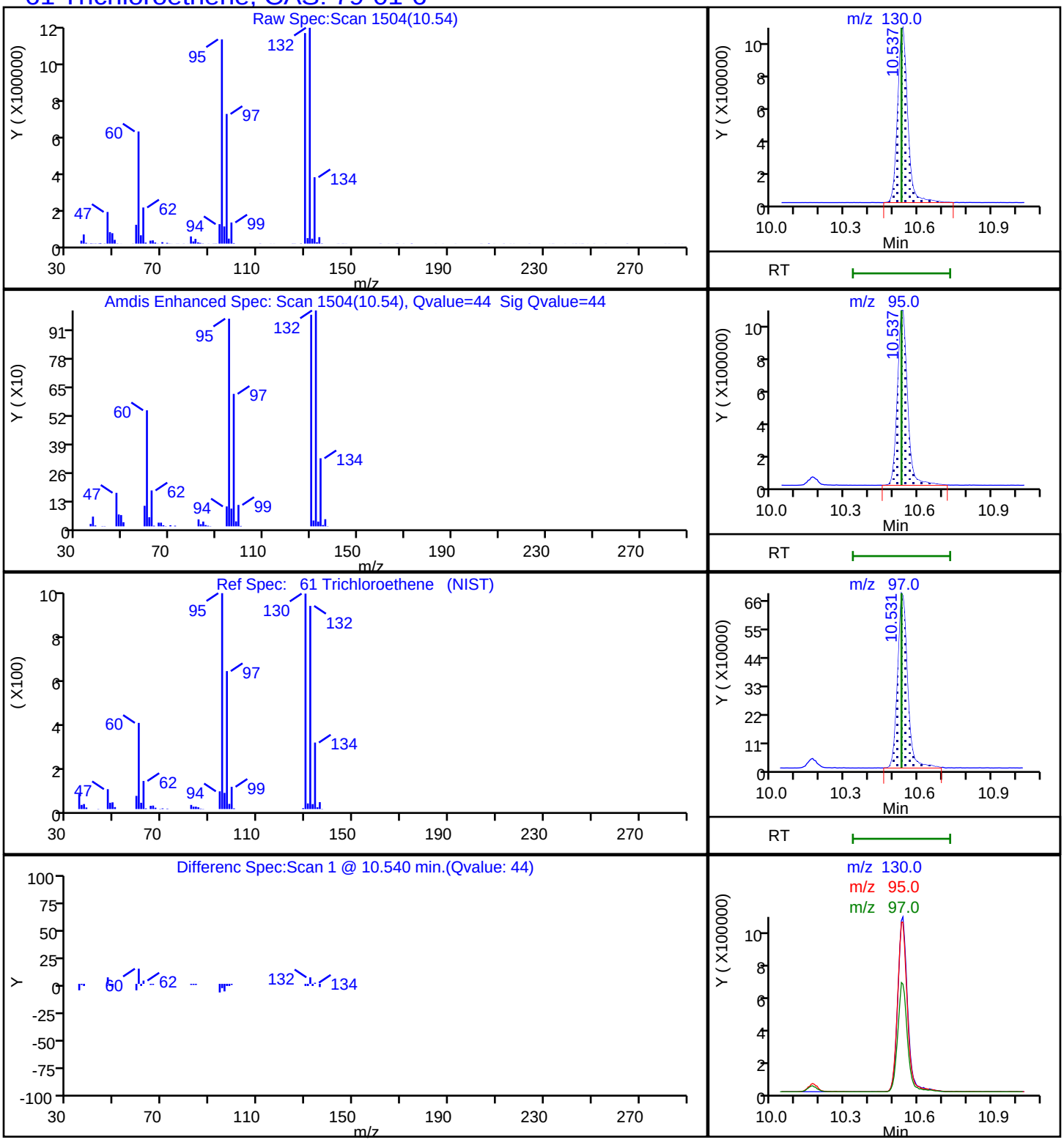


Report Date: 26-Nov-2021 11:22:01 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D		
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5
Client ID:	WS-11201415-111521-SG-004		
Operator ID:	0034635	ALS Bottle#:	22 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

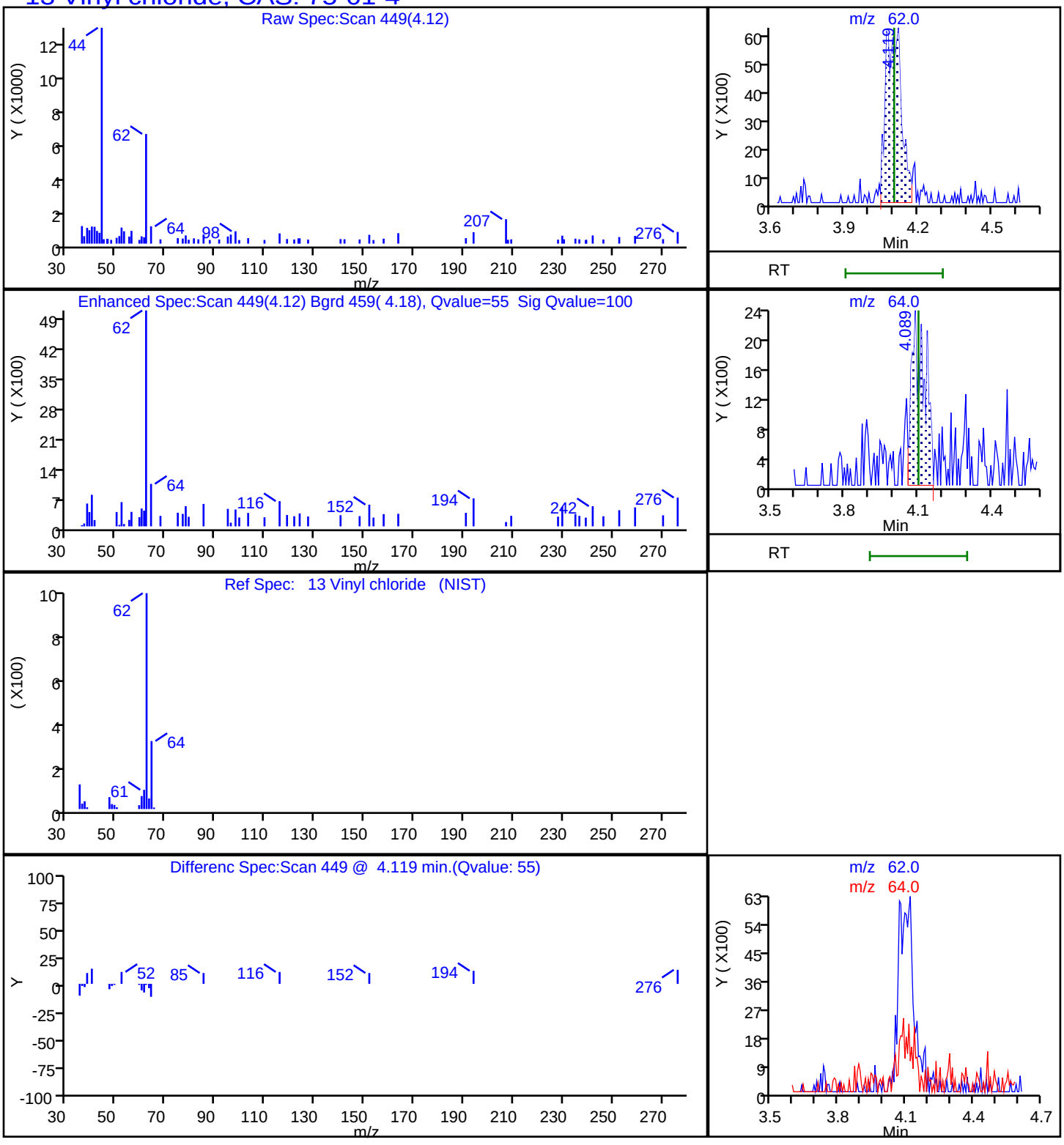
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



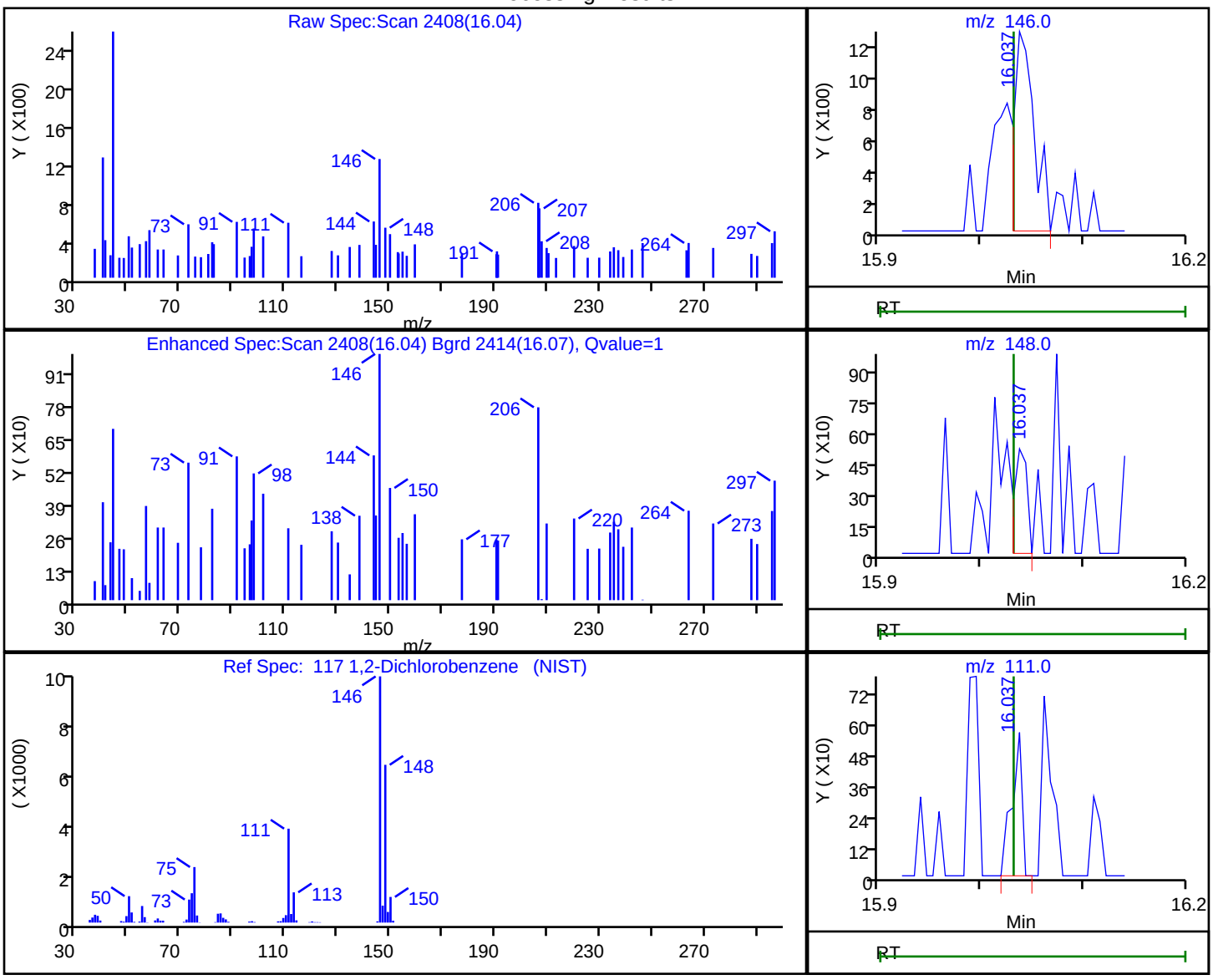
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.04	146.00	1649	0.232812
16.04	148.00	448	
16.04	111.00	396	

Reviewer: journetp, 26-Nov-2021 10:50:46

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

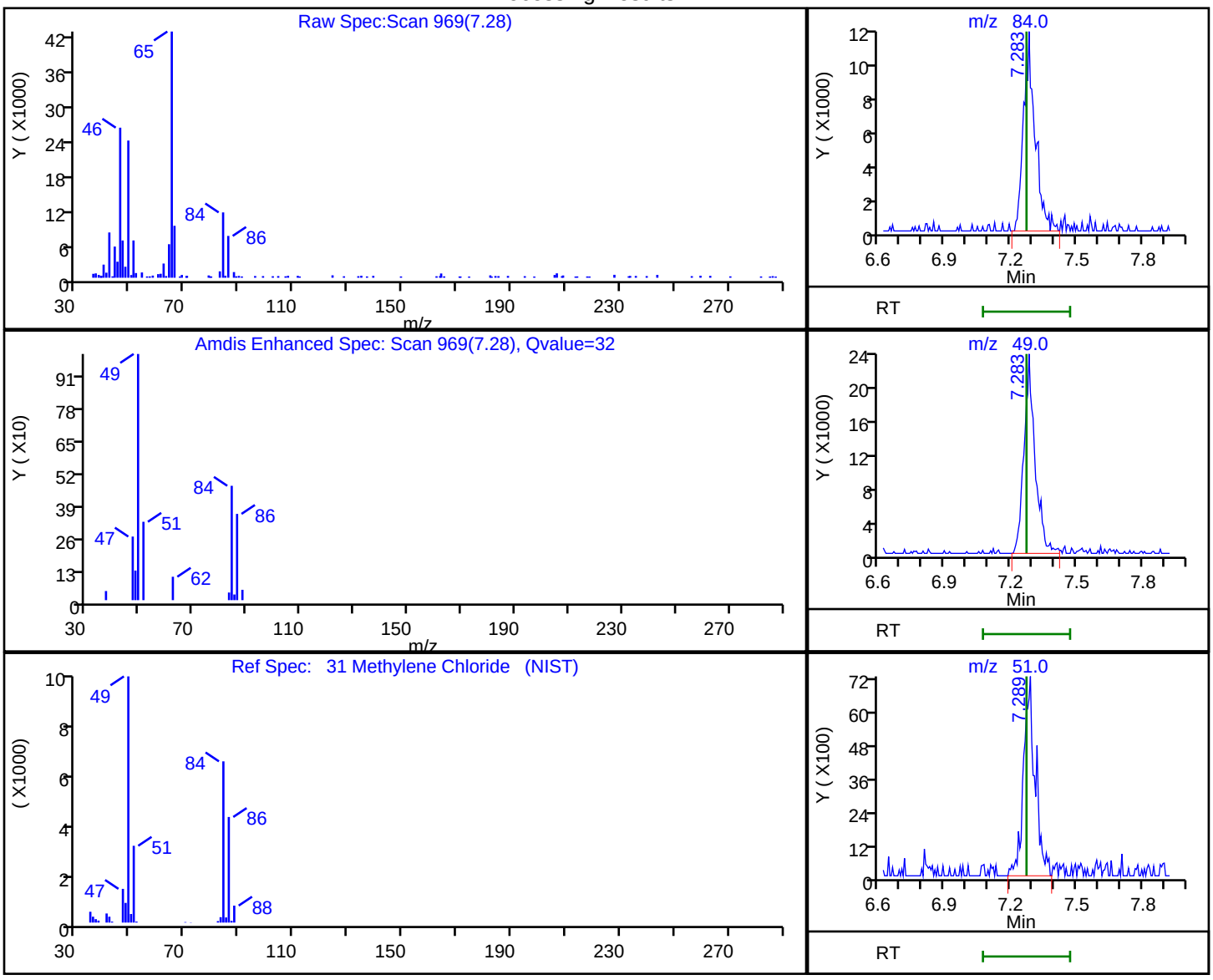
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
7.28	84.00	42055	-0.049424
7.28	49.00	84176	
7.29	51.00	27065	

Reviewer: journetp, 26-Nov-2021 10:50:39

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

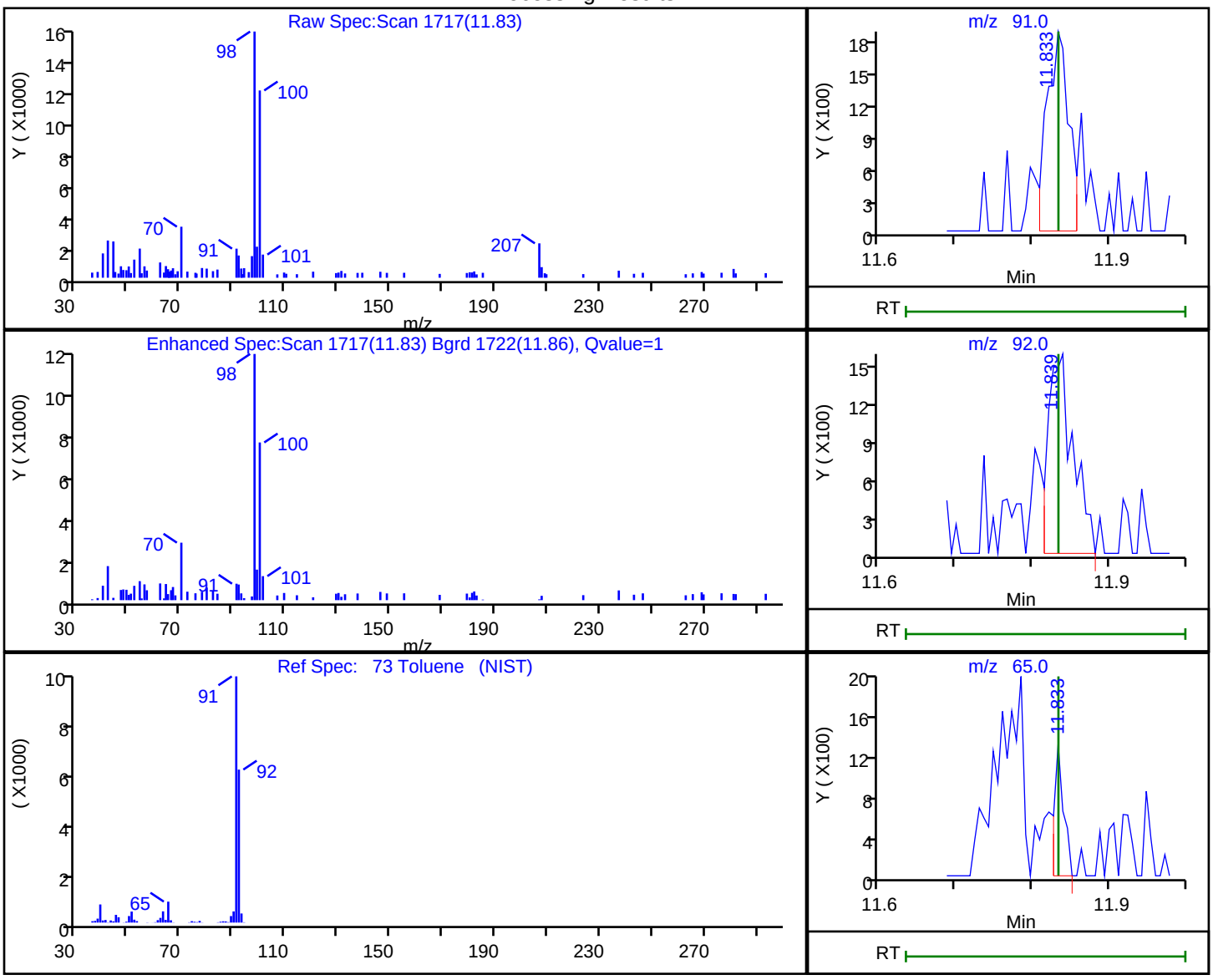
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
11.83	91.00	3673	0.106616
11.84	92.00	3404	
11.83	65.00	1073	

Reviewer: journetp, 26-Nov-2021 10:50:44

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

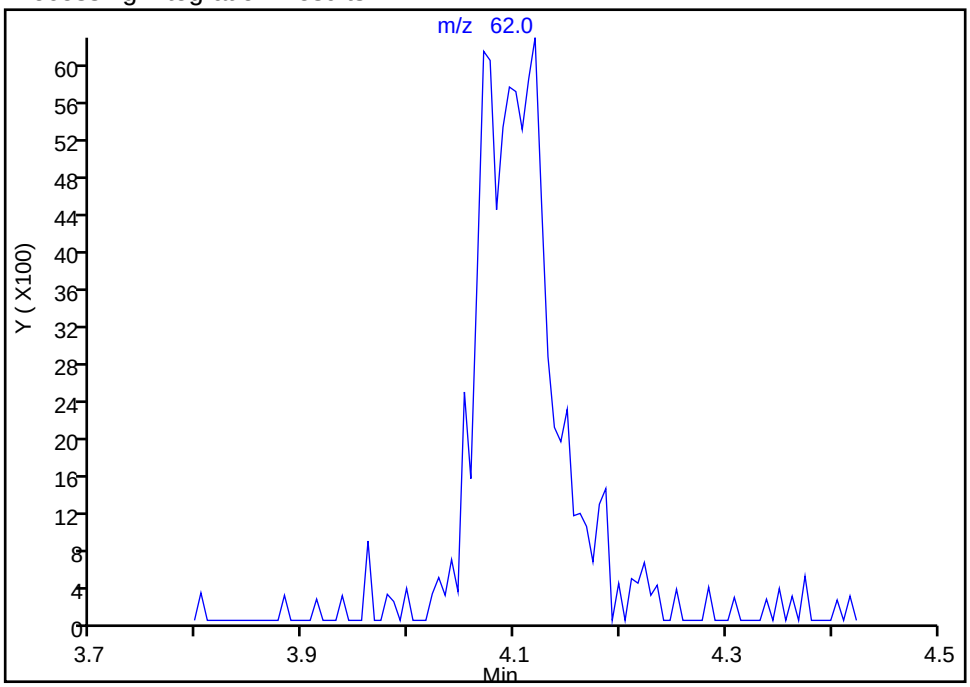
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124022.D				
Injection Date:	24-Nov-2021 20:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-5	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

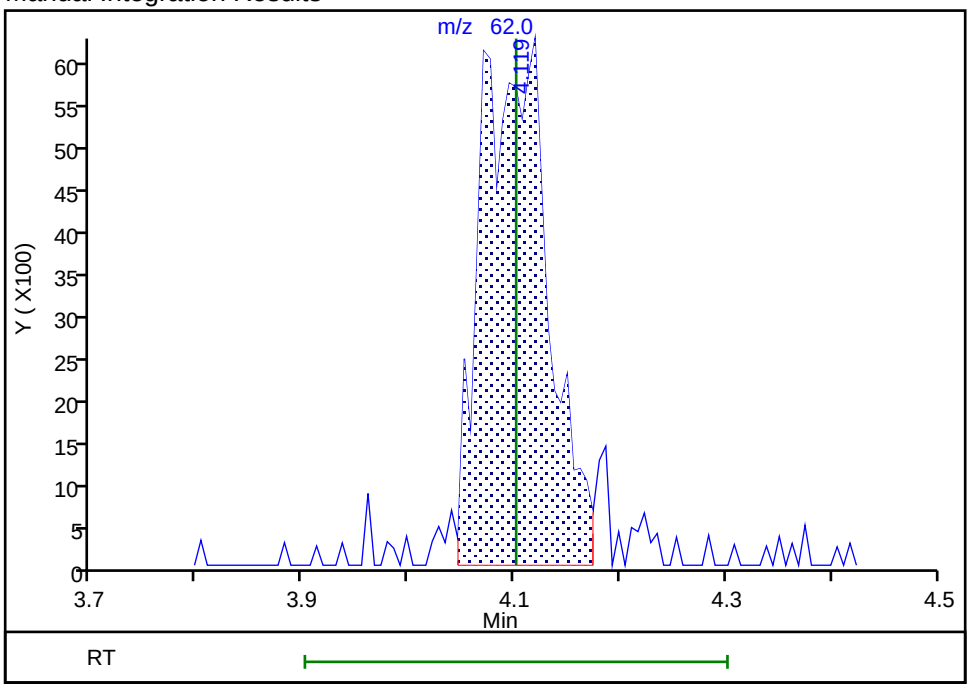
Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 27942
Amount: 2.640603
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:50:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-004 DL Lab Sample ID: 180-130108-5 DL

Matrix: Water Lab File ID: 61127023.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:45

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2021 00:24

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 380301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*ND*		*10*	*3.6*
156-59-2	*cis-1,2-Dichloroethene*	*10*		*10*	*7.1*
75-09-2	*Methylene Chloride*	*ND*		*10*	*8.9*
127-18-4	*Tetrachloroethene*	*ND*		*10*	*4.7*
108-88-3	*Toluene*	*ND*		*10*	*4.6*
79-01-6	Trichloroethene	81		10	6.9
75-01-4	*Vinyl chloride*	*ND*		*10*	*4.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	64		28-163
460-00-4	4-Bromofluorobenzene (Surr)	63		41-122
2037-26-5	Toluene-d8 (Surr)	94		53-125
1868-53-7	Dibromofluoromethane (Surr)	99		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127023.D
Lims ID: 180-130108-F-5 DL
Client ID: WS-11201415-111521-SG-004
Sample Type: Client
Inject. Date: 28-Nov-2021 00:24:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 180-0040259-023
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 09:47:27 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 28-Nov-2021 09:43:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.313	-0.006	41	235489	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	35	1174235	50.0	
* 3 Chlorobenzene-d5	119	13.250	13.238	0.012	30	232464	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.623	0.006	29	188777	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.448	0.006	47	245192	49.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.826	-0.001	47	248695	32.2	
$ 7 Toluene-d8 (Surr)	98	11.766	11.760	0.006	41	983268	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.413	0.006	37	217410	31.4	
13 Vinyl chloride	62	4.095	4.101	-0.006	1	3827	0.4783	
31 Methylene Chloride	84	7.289	7.307	-0.018	33	57722	3.86	
43 cis-1,2-Dichloroethene	96	8.913	8.907	0.006	23	37118	5.22	
61 Trichloroethene	130	10.537	10.537	0.000	44	263584	40.6	
73 Toluene	91	11.839	11.833	0.006	1	5702	0.2186	

QC Flag Legend

Processing Flags

Reagents:

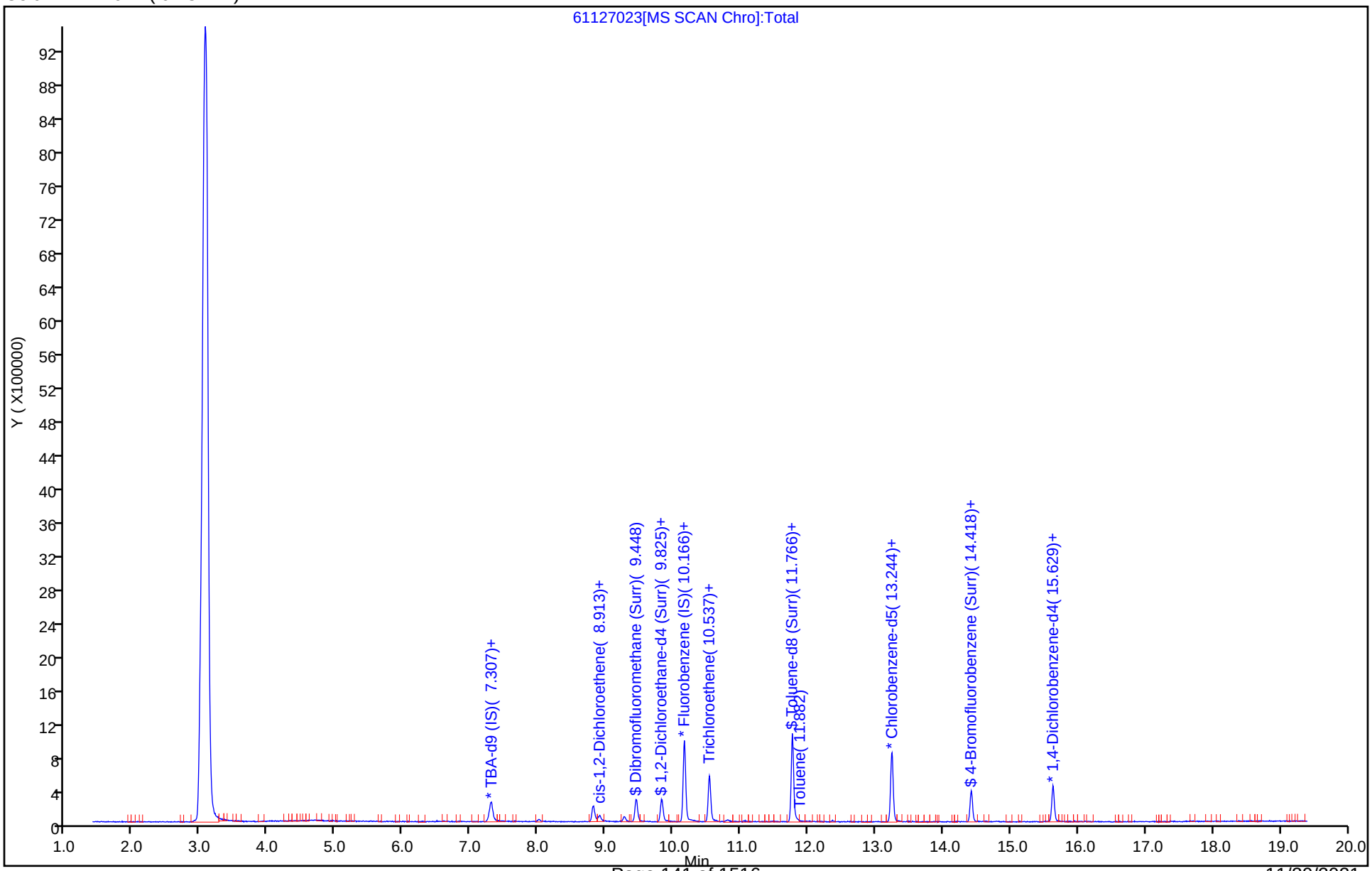
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Nov-2021 10:08:44 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127023.D				
Injection Date:	28-Nov-2021 00:24:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-5 DL	Lab Sample ID:	180-130108-5	Worklist Smp#:	23
Client ID:	WS-11201415-111521-SG-004				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	23
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

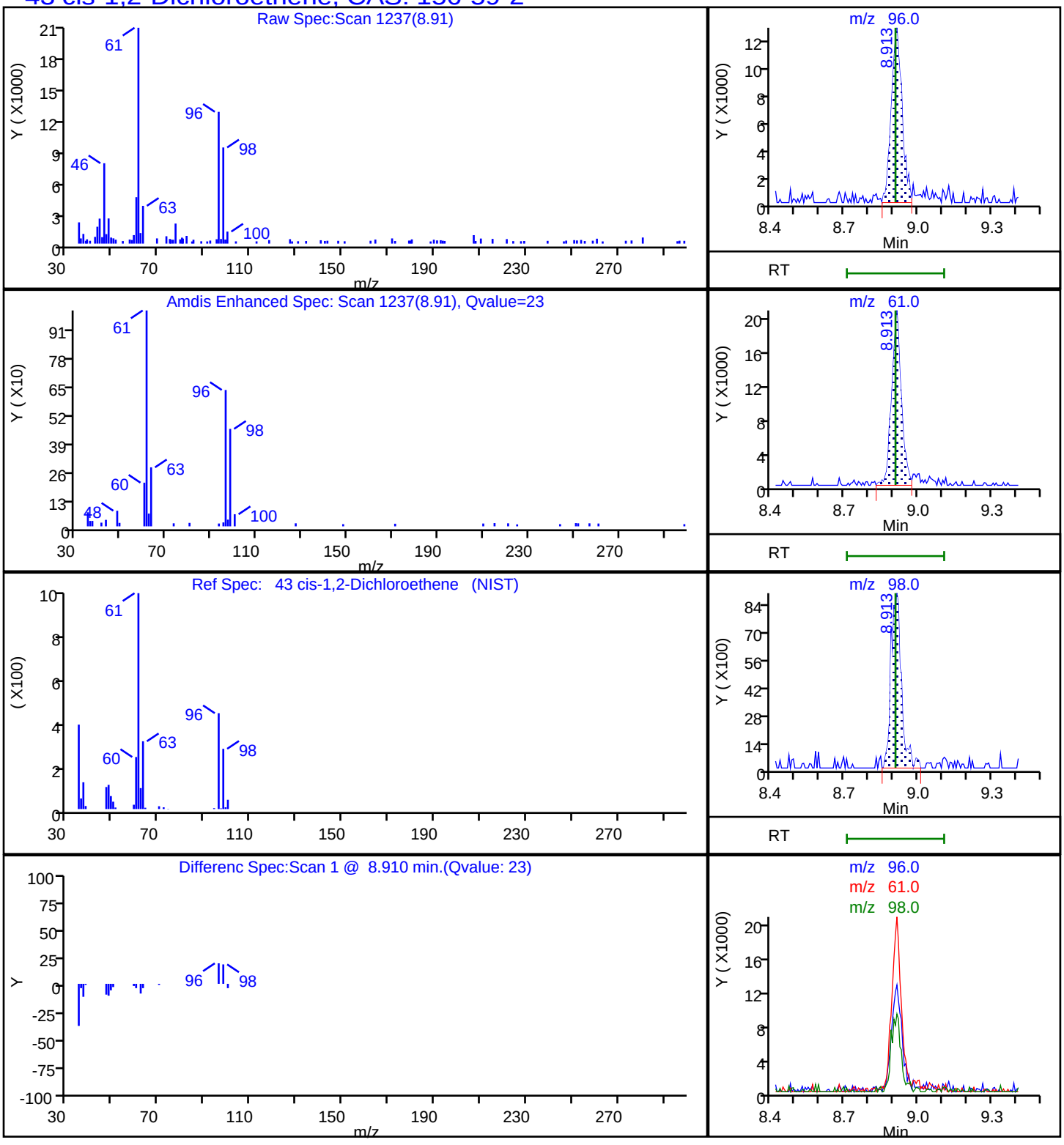
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127023.D				
Injection Date:	28-Nov-2021 00:24:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-5 DL	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

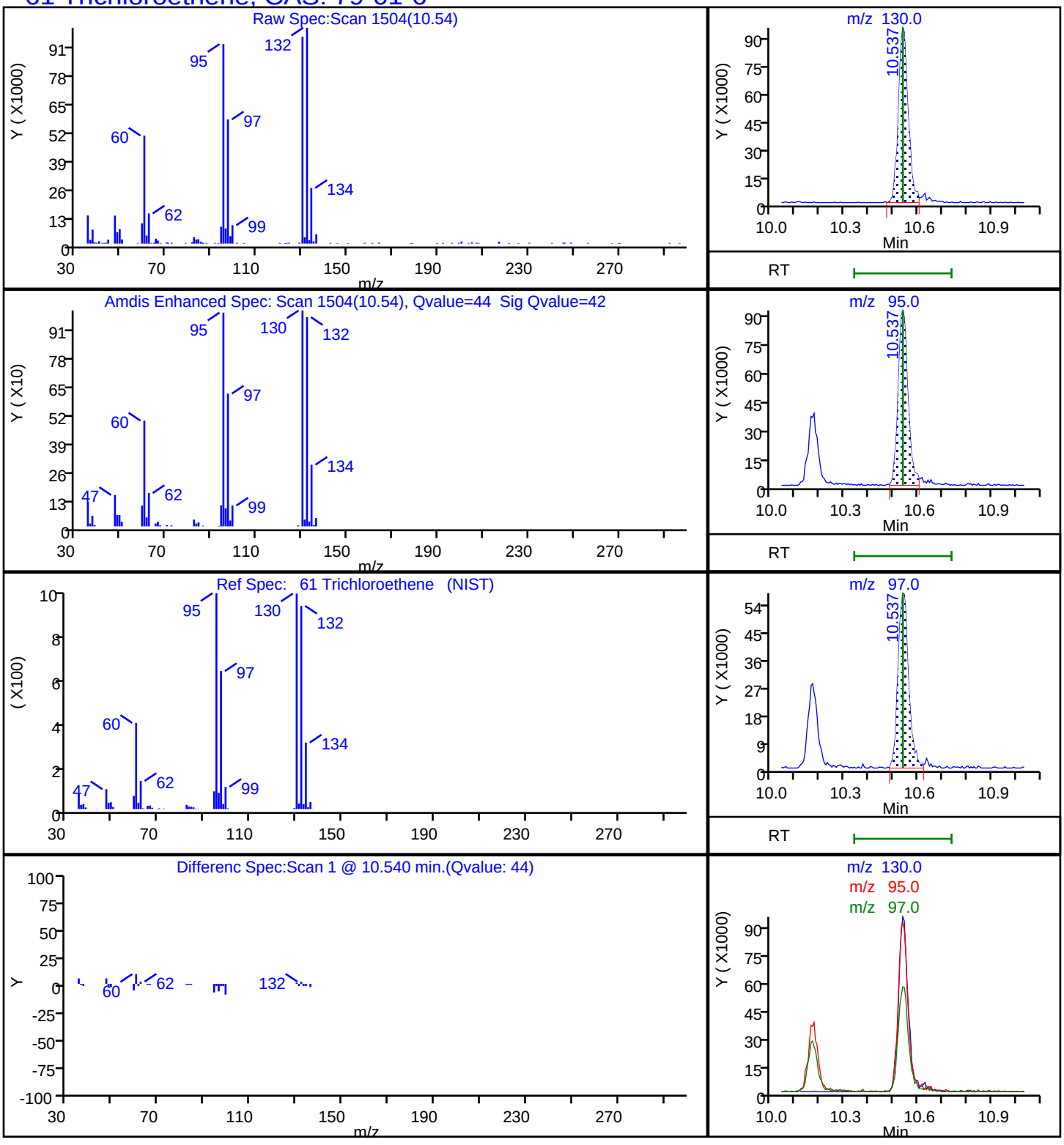
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127023.D				
Injection Date:	28-Nov-2021 00:24:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-5 DL	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6



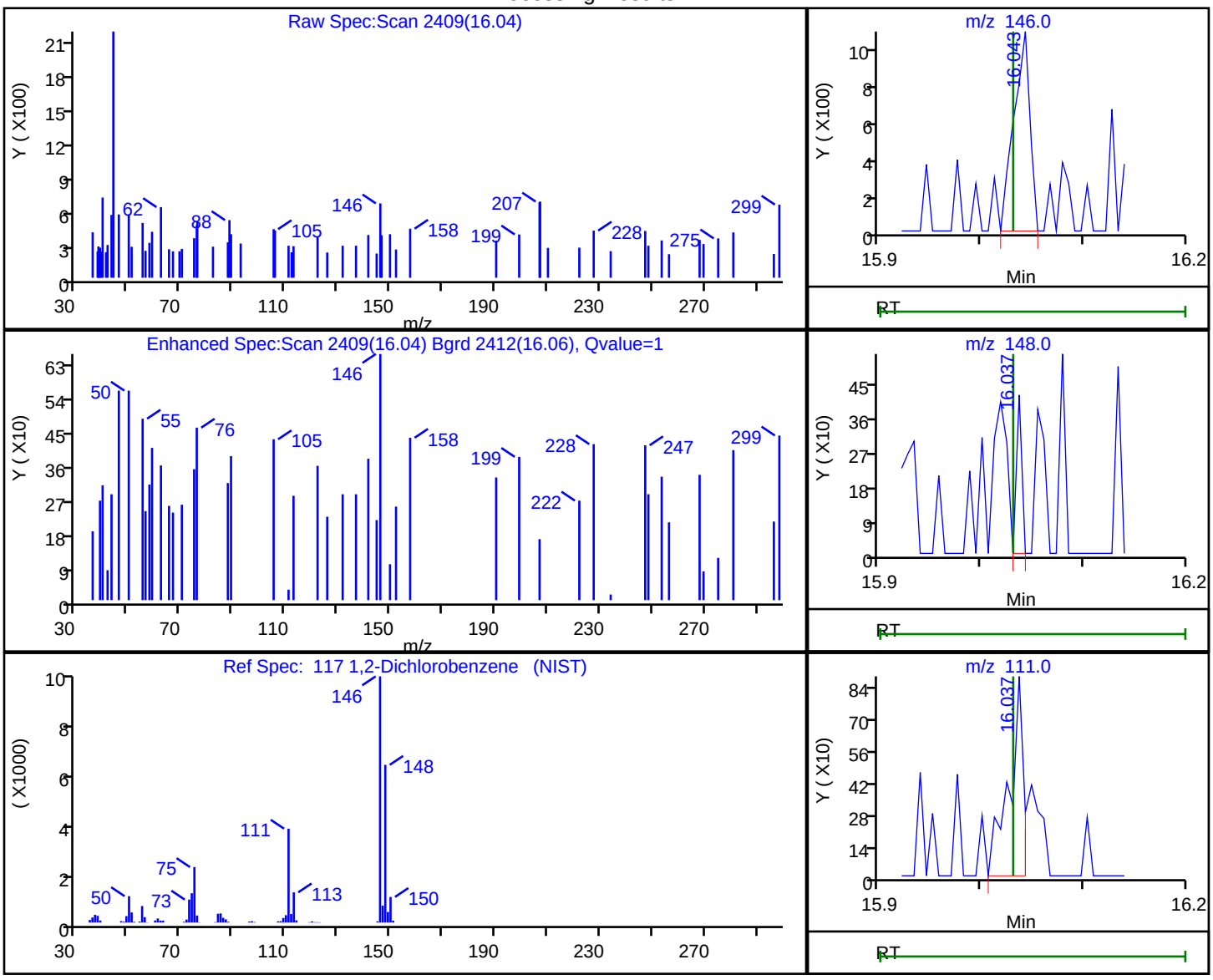
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127023.D				
Injection Date:	28-Nov-2021 00:24:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-5 DL	Lab Sample ID:	180-130108-5		
Client ID:	WS-11201415-111521-SG-004				
Operator ID:	0034635	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.04	146.00	1136	0.209166
16.04	148.00	152	
16.04	111.00	864	

Reviewer: journetp, 28-Nov-2021 09:43:13

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-005 Lab Sample ID: 180-130108-6

Matrix: Water Lab File ID: 61127022.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 15:00

Sample wt/vol: 5(mL) Date Analyzed: 11/27/2021 23:54

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.: 380301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	4.3		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	2.1		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	9.9		1.0	0.69
75-01-4	Vinyl chloride	0.57	J	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	60		28-163
460-00-4	4-Bromofluorobenzene (Surr)	61		41-122
2037-26-5	Toluene-d8 (Surr)	97		53-125
1868-53-7	Dibromofluoromethane (Surr)	95		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D
Lims ID: 180-130108-E-6
Client ID: WS-11201415-111521-SG-005
Sample Type: Client
Inject. Date: 27-Nov-2021 23:54:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-022
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 09:47:27 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 28-Nov-2021 09:43:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.309	7.313	-0.004	42	262390	1000.0	
* 2 Fluorobenzene (IS)	96	10.168	10.166	0.002	35	1460430	50.0	
* 3 Chlorobenzene-d5	119	13.240	13.238	0.002	30	270743	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.631	15.623	0.008	29	190840	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.456	9.448	0.008	47	292890	47.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.827	9.826	0.001	47	287487	29.9	
$ 7 Toluene-d8 (Surr)	98	11.768	11.760	0.008	41	1178674	48.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.426	14.413	0.014	37	244572	30.4	
13 Vinyl chloride	62	4.084	4.101	-0.017	66	28167	2.83	Ma
43 cis-1,2-Dichloroethene	96	8.909	8.907	0.001	22	190280	21.5	
61 Trichloroethene	130	10.539	10.537	0.002	44	401692	49.7	
73 Toluene	91	11.835	11.833	0.002	35	13120	0.4319	M
77 Tetrachloroethene	164	12.364	12.362	0.002	42	60844	10.5	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

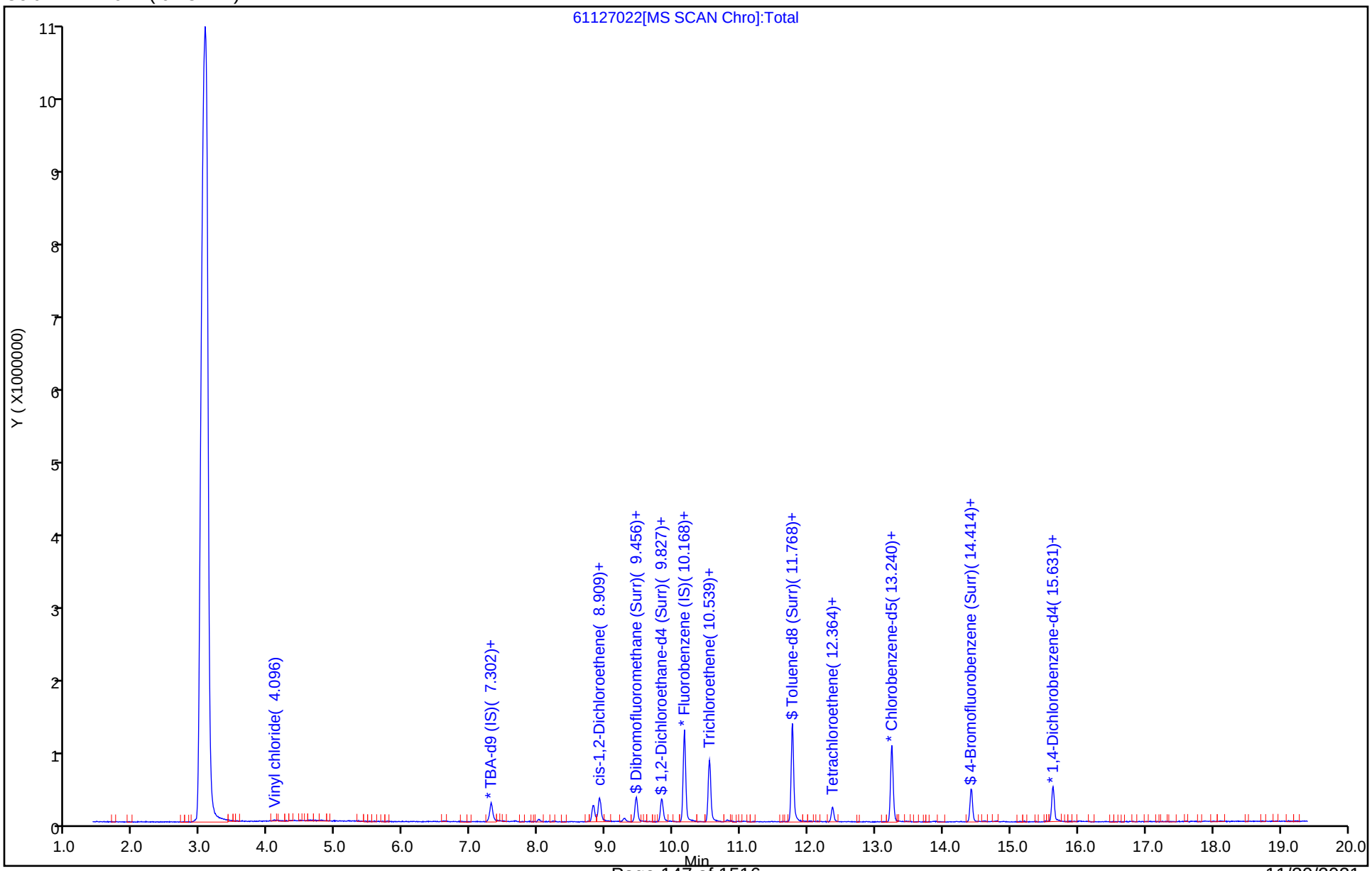
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 28-Nov-2021 10:08:45 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6	Worklist Smp#:	22
Client ID:	WS-11201415-111521-SG-005				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

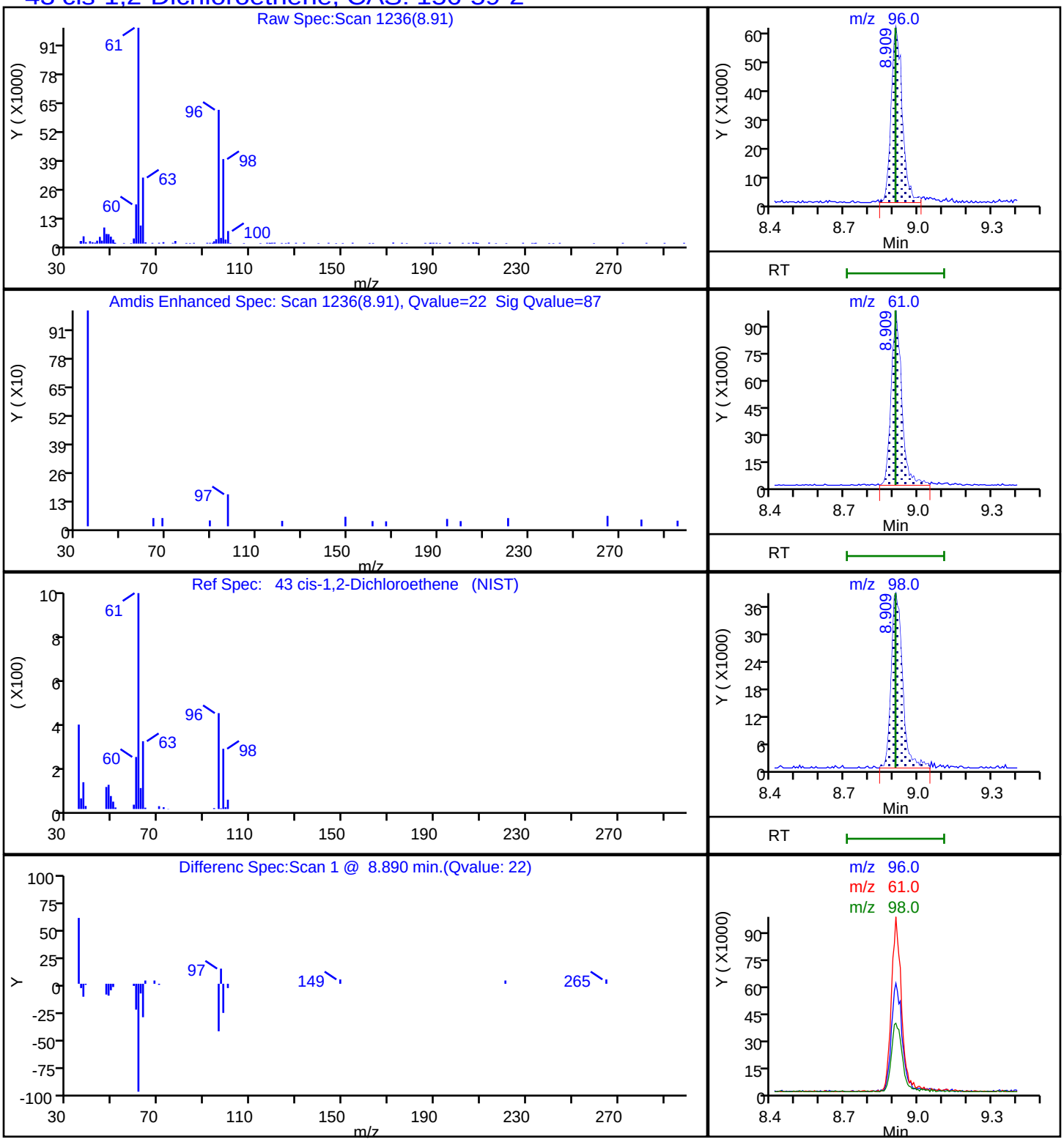
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

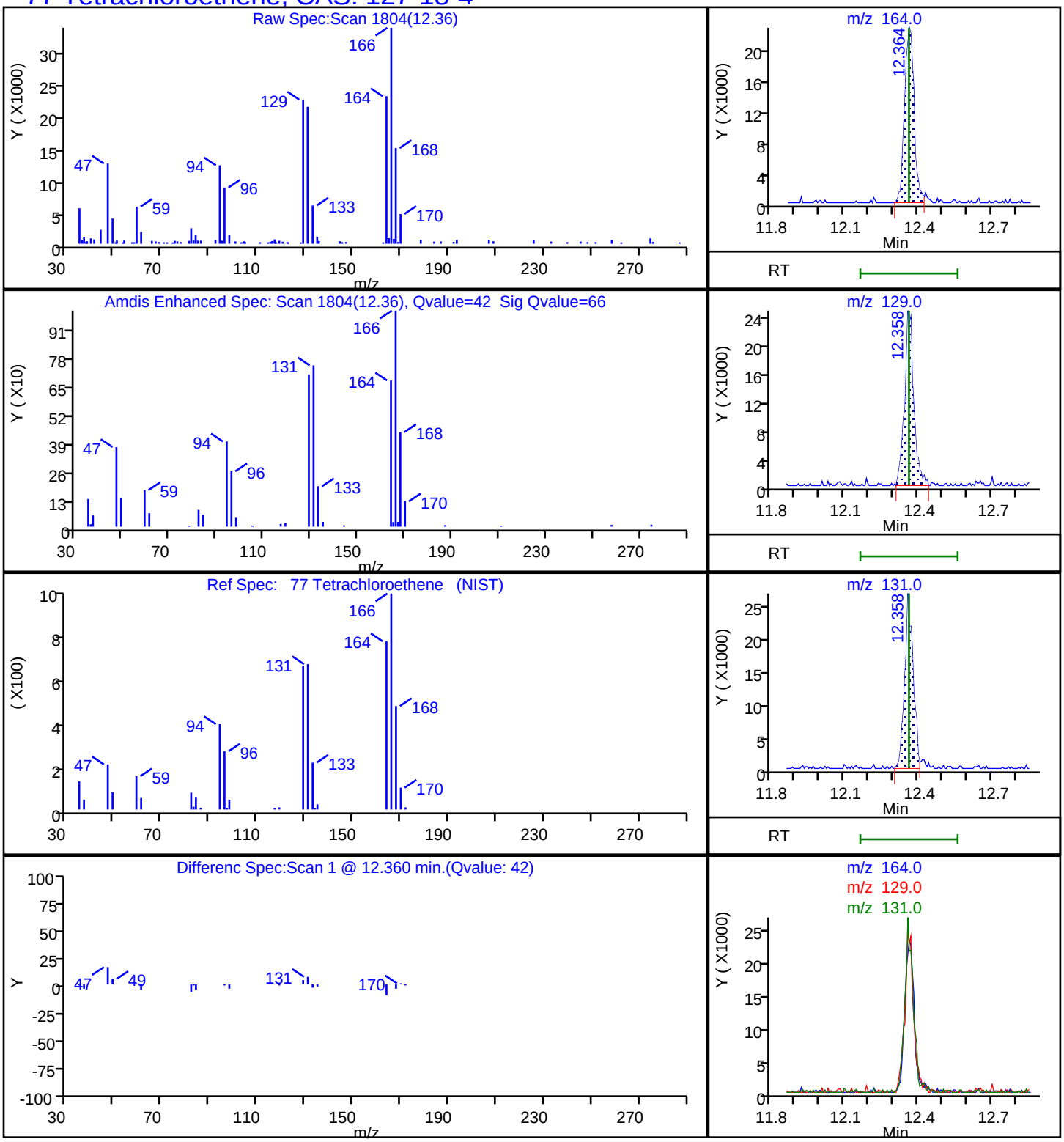


Report Date: 28-Nov-2021 10:08:45 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

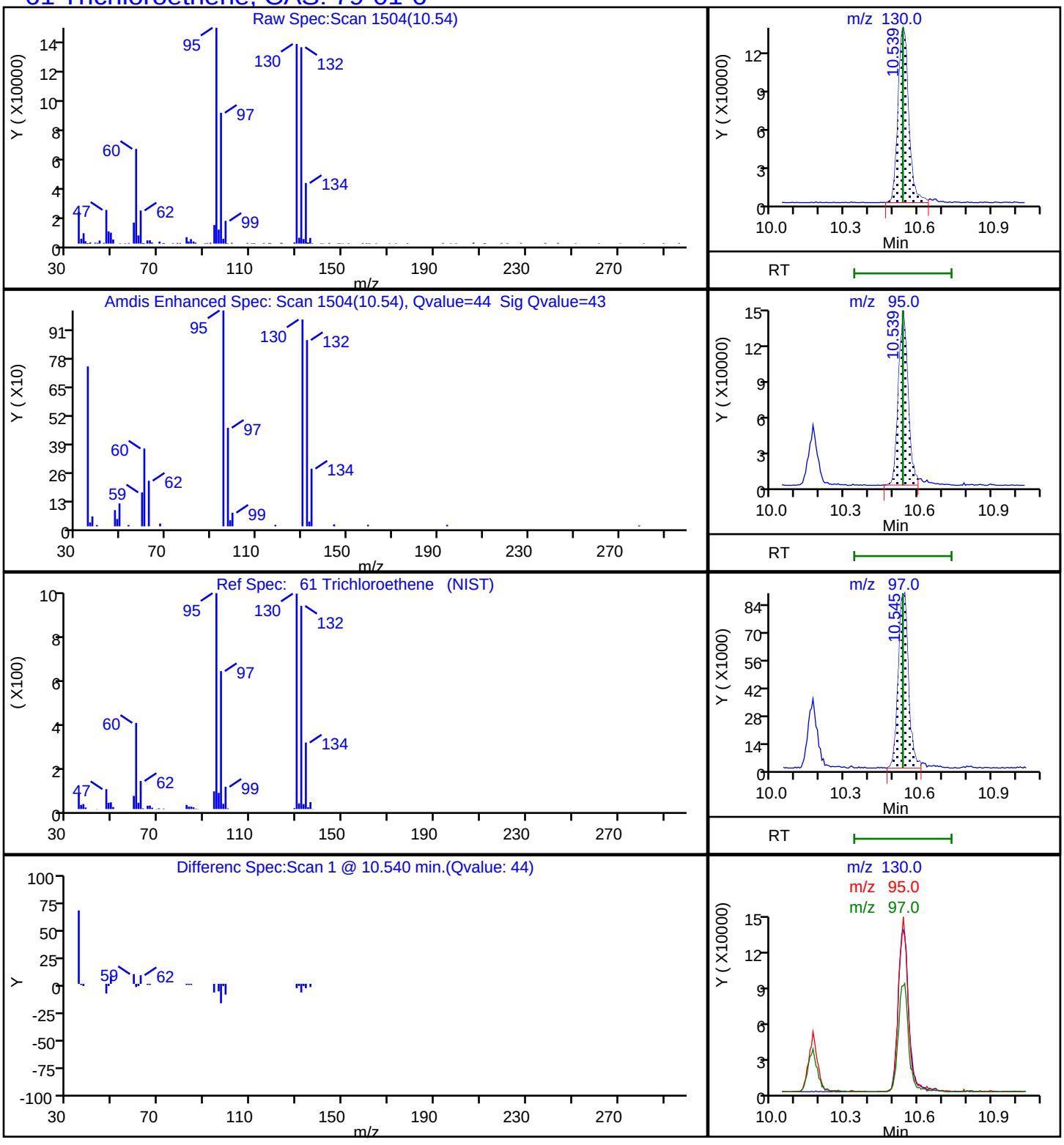
77 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

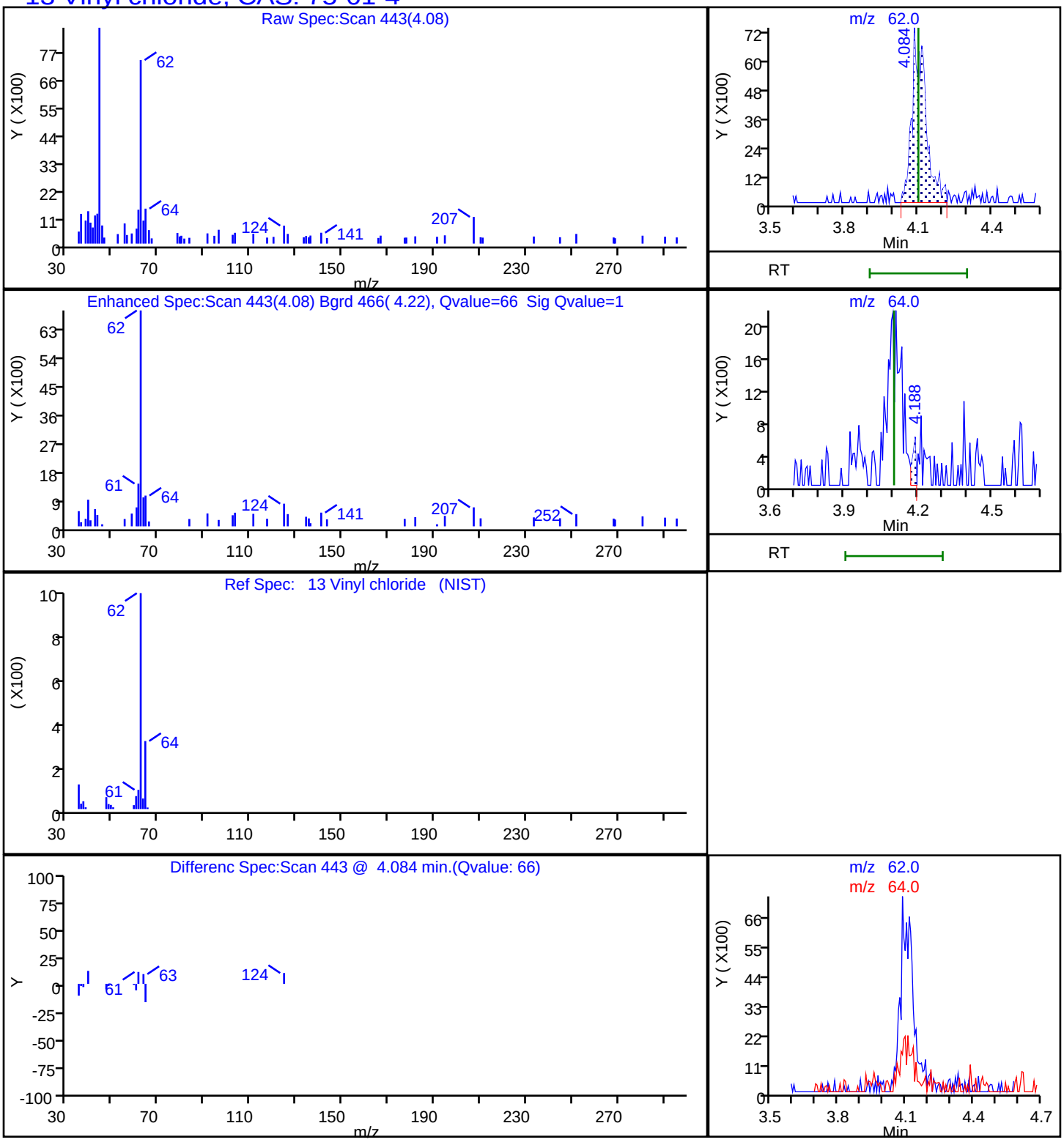
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



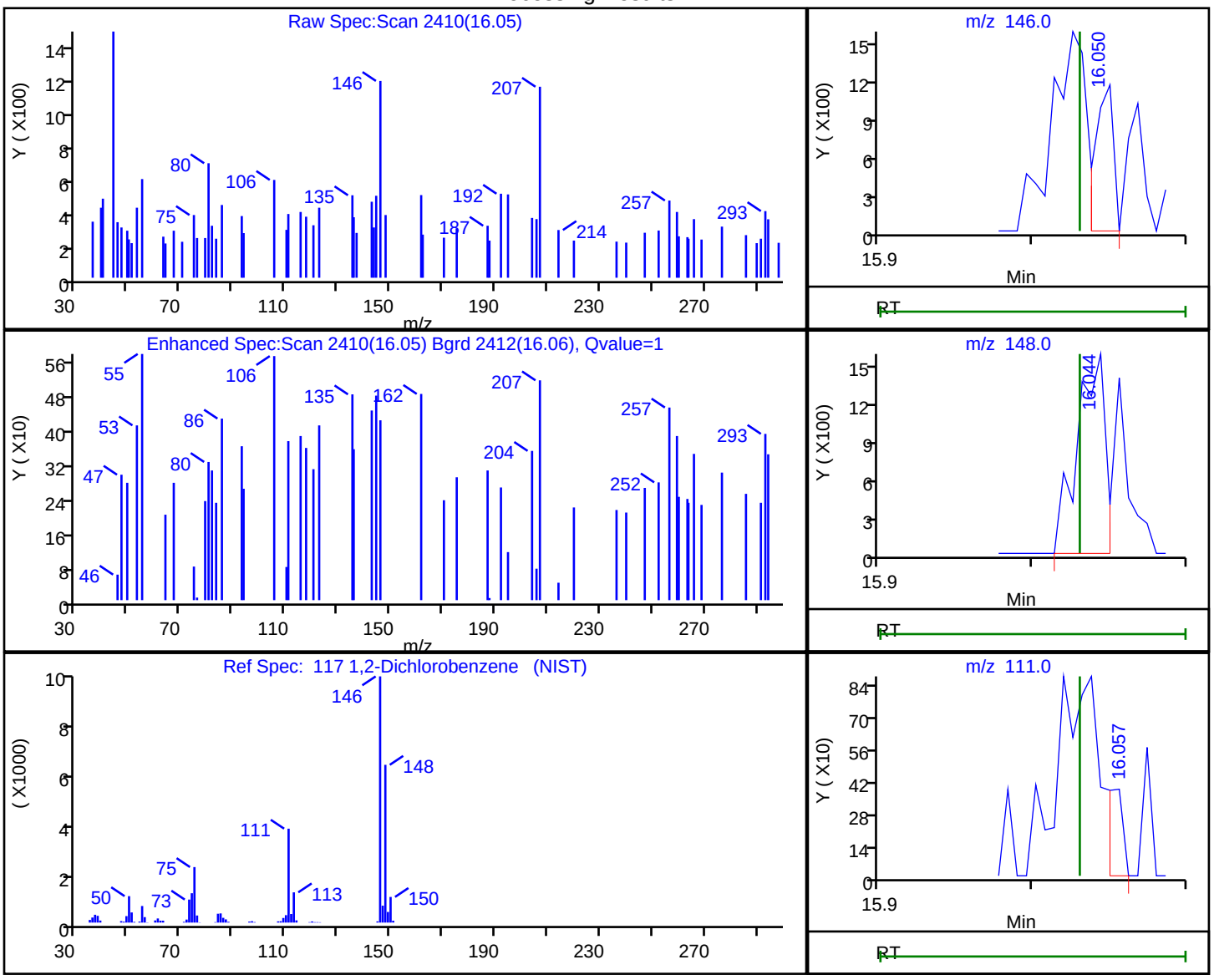
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.05	146.00	960	0.174849
16.04	148.00	1952	
16.06	111.00	275	

Reviewer: journetp, 28-Nov-2021 09:42:58

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

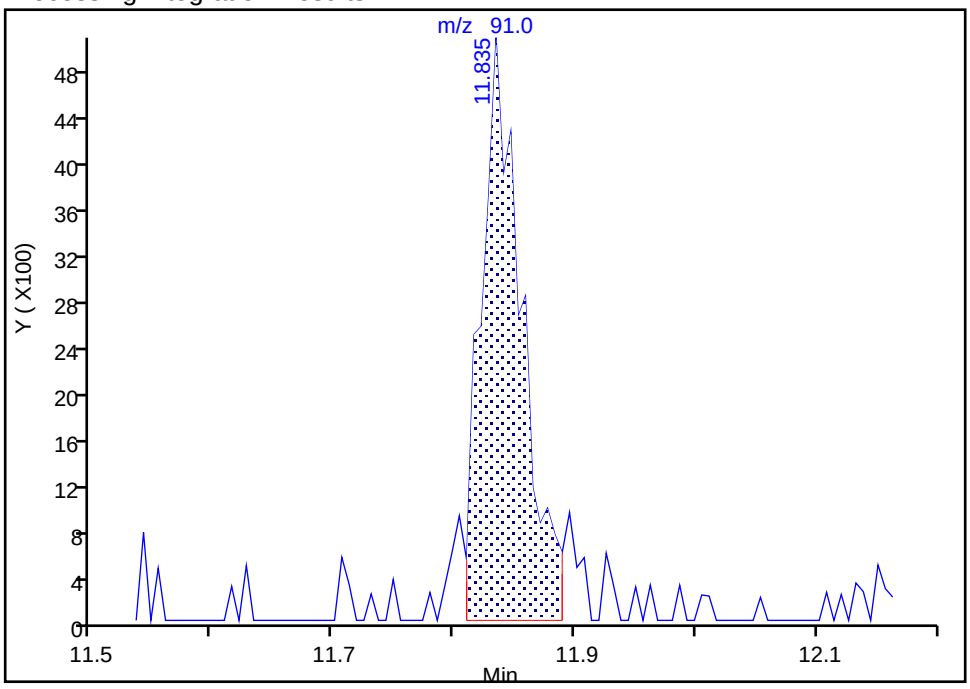
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Signal: 1

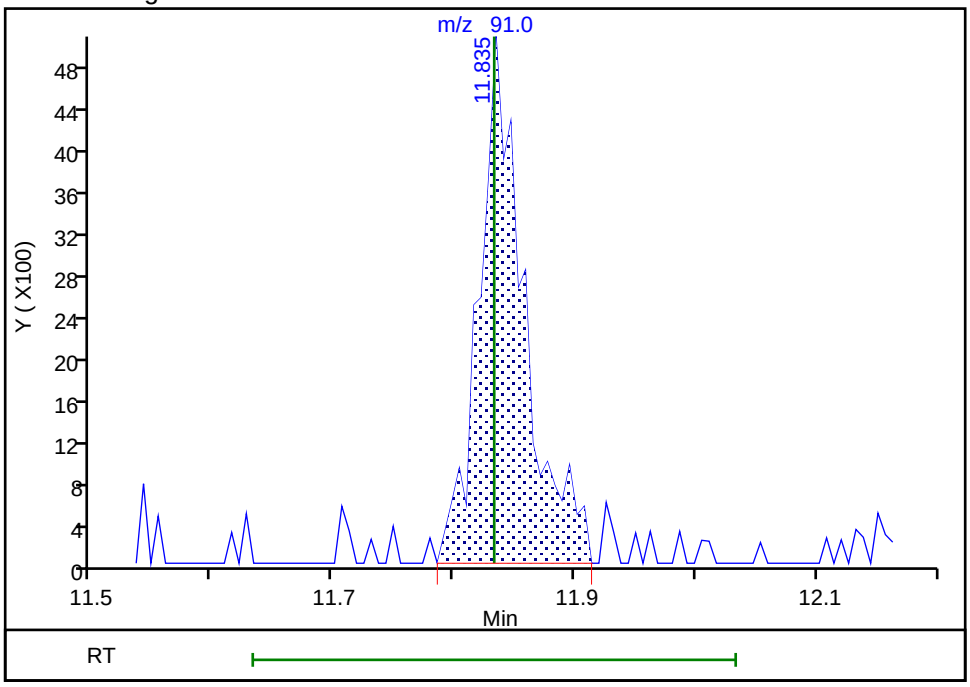
Processing Integration Results

RT: 11.83
Area: 11755
Amount: 0.386997
Amount Units: ng



Manual Integration Results

RT: 11.83
Area: 13120
Amount: 0.431935
Amount Units: ng



Reviewer: journetp, 28-Nov-2021 09:42:54

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

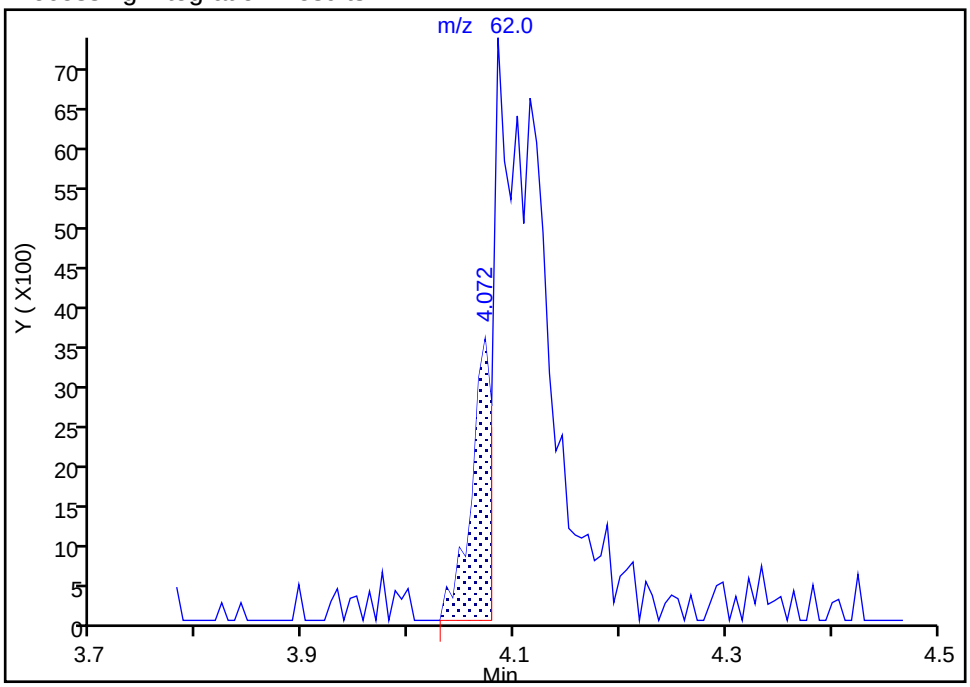
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127022.D				
Injection Date:	27-Nov-2021 23:54:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-6	Lab Sample ID:	180-130108-6		
Client ID:	WS-11201415-111521-SG-005				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

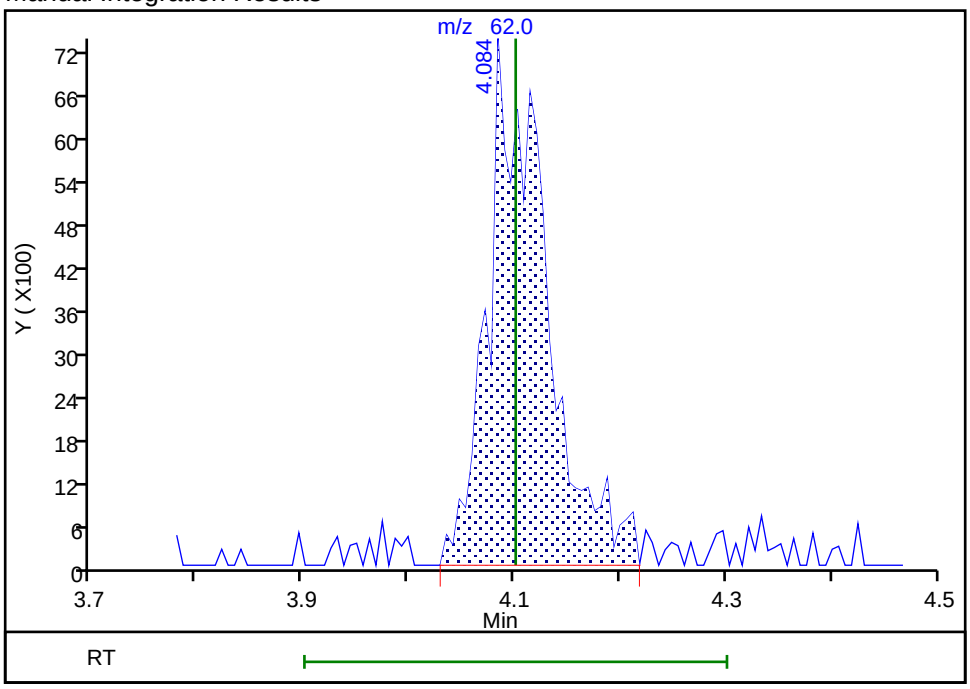
Processing Integration Results

RT: 4.07
Area: 4815
Amount: 0.483860
Amount Units: ng



Manual Integration Results

RT: 4.08
Area: 28167
Amount: 2.830508
Amount Units: ng



Reviewer: journetp, 28-Nov-2021 09:42:44

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-006 Lab Sample ID: 180-130108-7

Matrix: Water Lab File ID: 61124024.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 15:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 21:06

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	7.4		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	3.9		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	14		1.0	0.69
75-01-4	Vinyl chloride	1.3		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		28-163
460-00-4	4-Bromofluorobenzene (Surr)	62		41-122
2037-26-5	Toluene-d8 (Surr)	101		53-125
1868-53-7	Dibromofluoromethane (Surr)	110		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D
Lims ID: 180-130108-F-7
Client ID: WS-11201415-111521-SG-006
Sample Type: Client
Inject. Date: 24-Nov-2021 21:06:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-024
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:51:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.300	7.307	-0.007	41	301079	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.161	0.004	35	1492541	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.245	-0.007	30	298262	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.624	0.004	29	232540	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.449	0.005	47	346628	54.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.826	0.005	47	388522	39.5	
$ 7 Toluene-d8 (Surr)	98	11.765	11.767	-0.002	41	1346642	50.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.413	0.005	38	273101	30.8	
13 Vinyl chloride	62	4.112	4.101	0.011	24	68516	6.74	
31 Methylene Chloride	84	7.270	7.271	-0.001	33	45411	0.5434	
43 cis-1,2-Dichloroethene	96	8.906	8.907	-0.001	22	332120	36.8	
61 Trichloroethene	130	10.537	10.532	0.004	44	569009	69.0	
73 Toluene	91	11.838	11.834	0.004	4	8596	0.2569	
77 Tetrachloroethene	164	12.368	12.357	0.011	42	125191	19.6	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

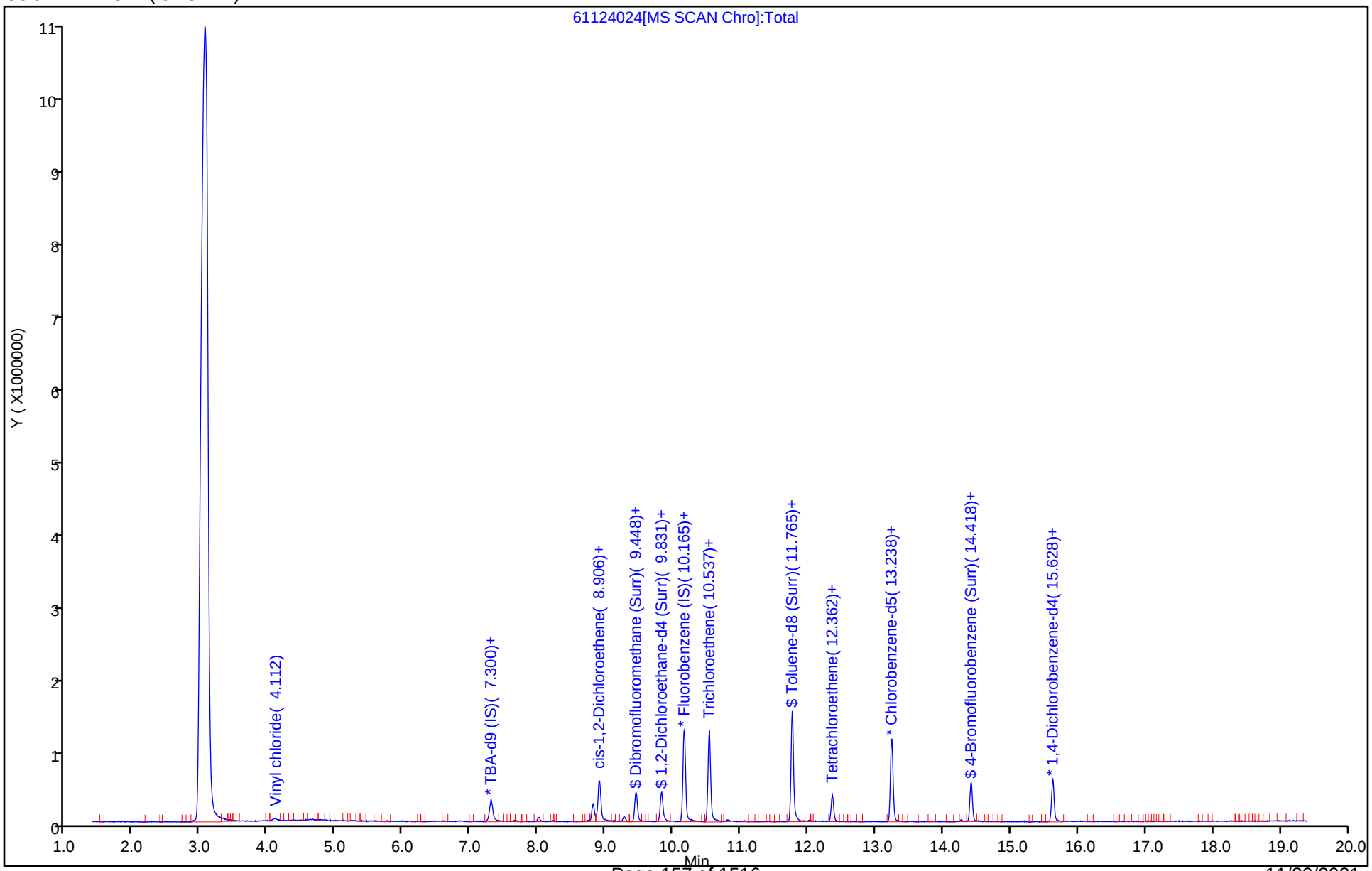
Report Date: 26-Nov-2021 11:22:02 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D

Injection Date:	24-Nov-2021 21:06:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-7	Lab Sample ID:	180-130108-8	Worklist Smp#:	24
Client ID:	WS-11201415-111521-SG-006				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

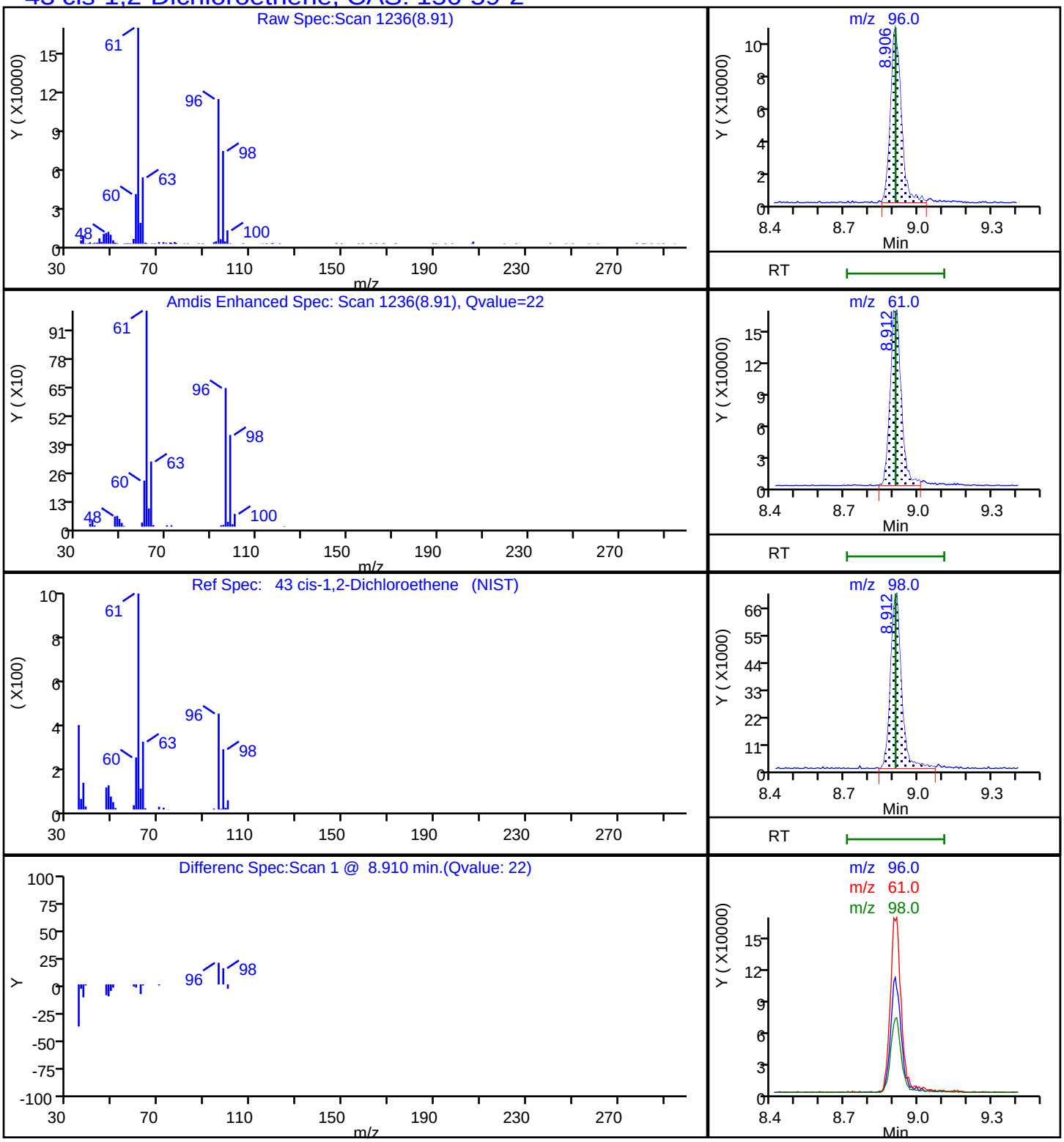
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D				
Injection Date:	24-Nov-2021 21:06:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-7	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-006				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

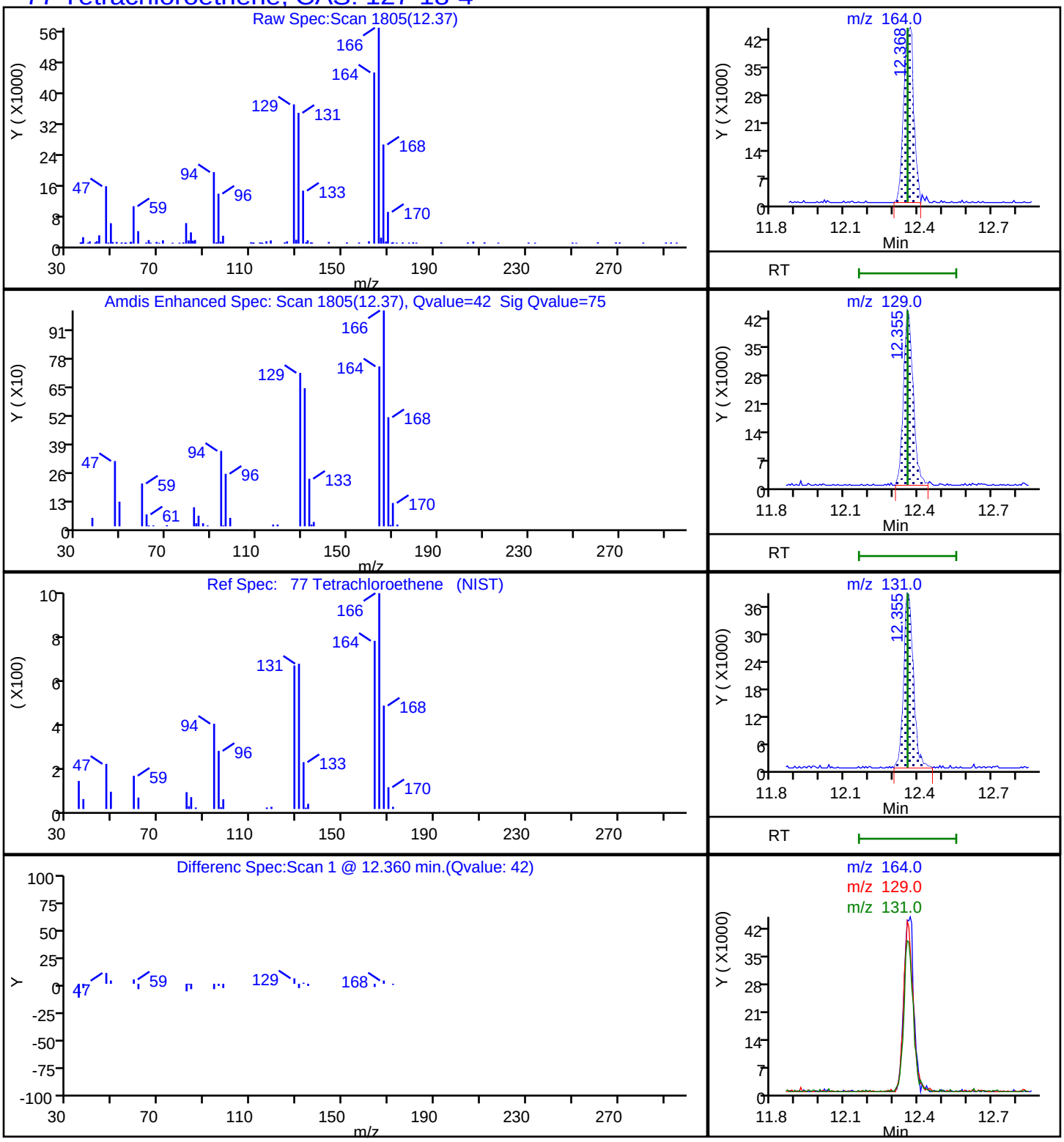


Report Date: 26-Nov-2021 11:22:02 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D		
Injection Date:	24-Nov-2021 21:06:30	Instrument ID:	CHHP6
Lims ID:	180-130108-F-7	Lab Sample ID:	180-130108-8
Client ID:	WS-11201415-111521-SG-006		
Operator ID:	0034635	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

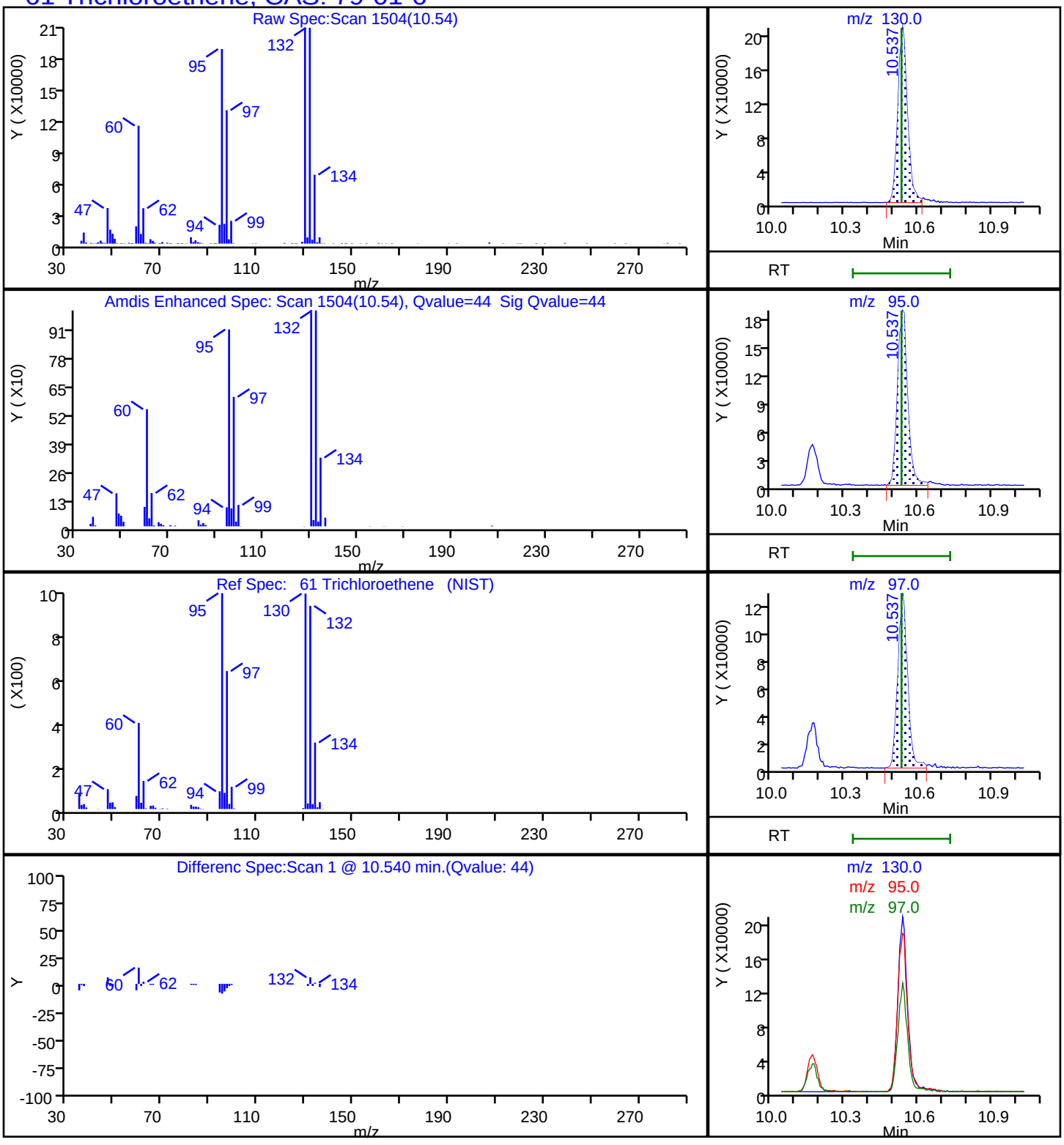
77 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D				
Injection Date:	24-Nov-2021 21:06:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-7	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-006				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

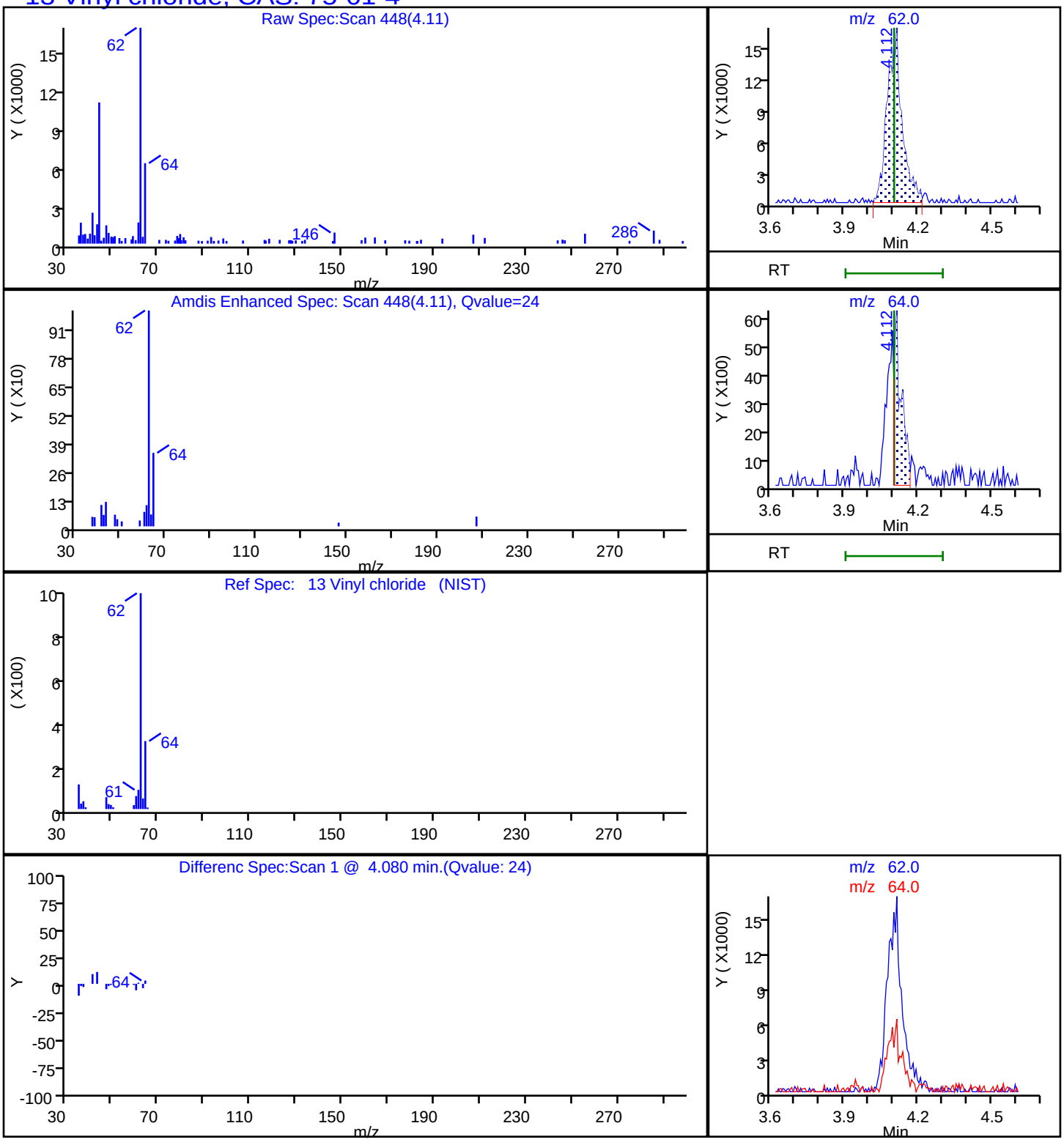
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124024.D				
Injection Date:	24-Nov-2021 21:06:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-7	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-006				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-007 Lab Sample ID: 180-130108-8

Matrix: Water Lab File ID: 61124025.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 15:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 21:36

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	9.6		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	4.9		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	18		1.0	0.69
75-01-4	Vinyl chloride	1.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		28-163
460-00-4	4-Bromofluorobenzene (Surr)	63		41-122
2037-26-5	Toluene-d8 (Surr)	104		53-125
1868-53-7	Dibromofluoromethane (Surr)	113		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D				
Lims ID:	180-130108-D-8				
Client ID:	WS-11201415-111521-SG-007				
Sample Type:	Client				
Inject. Date:	24-Nov-2021 21:36:30	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	180-0040224-025				
Operator ID:	0034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	26-Nov-2021 11:21:28	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1681				
First Level Reviewer: journetp		Date:	26-Nov-2021 10:51:44		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.304	7.307	-0.003	40	305041	1000.0	
* 2 Fluorobenzene (IS)	96	10.163	10.161	0.002	35	1369847	50.0	
* 3 Chlorobenzene-d5	119	13.242	13.245	-0.003	30	267625	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.624	0.008	29	227678	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.452	9.449	0.003	47	329168	56.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.823	9.826	-0.003	47	350212	38.8	
$ 7 Toluene-d8 (Surr)	98	11.763	11.767	-0.004	41	1252953	52.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.416	14.413	0.003	37	251376	31.6	
13 Vinyl chloride	62	4.110	4.101	0.009	25	79592	8.53	
31 Methylene Chloride	84	7.286	7.271	0.015	33	43404	0.7667	
43 cis-1,2-Dichloroethene	96	8.904	8.907	-0.003	22	396566	47.8	
61 Trichloroethene	130	10.534	10.532	0.002	44	680018	89.8	
73 Toluene	91	11.830	11.834	-0.004	12	14476	0.4821	
77 Tetrachloroethene	164	12.359	12.357	0.002	42	139529	24.4	

QC Flag Legend

Processing Flags

Reagents:

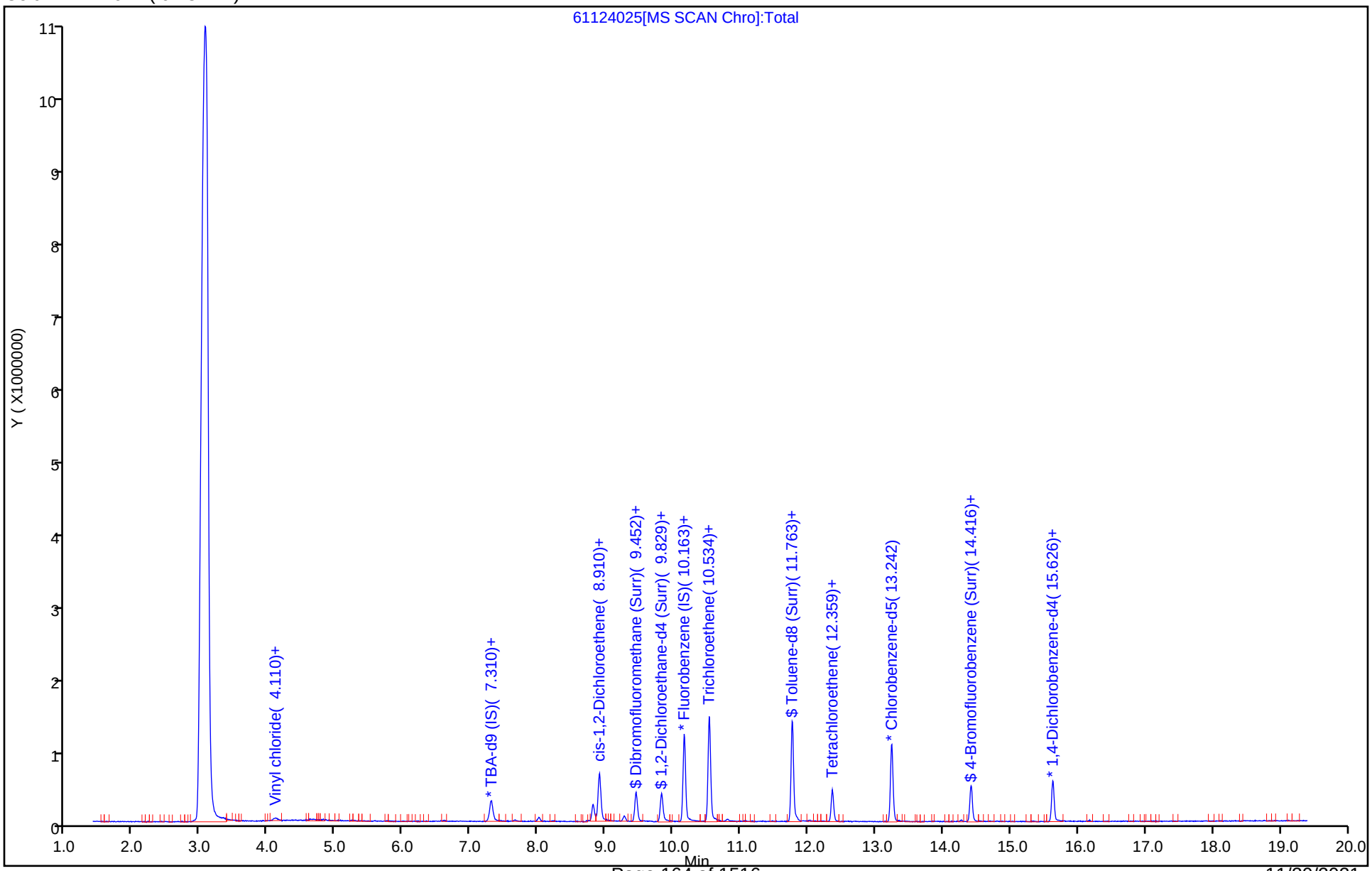
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Nov-2021 11:22:03 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D				
Injection Date:	24-Nov-2021 21:36:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-8	Lab Sample ID:	180-130108-8	Worklist Smp#:	25
Client ID:	WS-11201415-111521-SG-007				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)

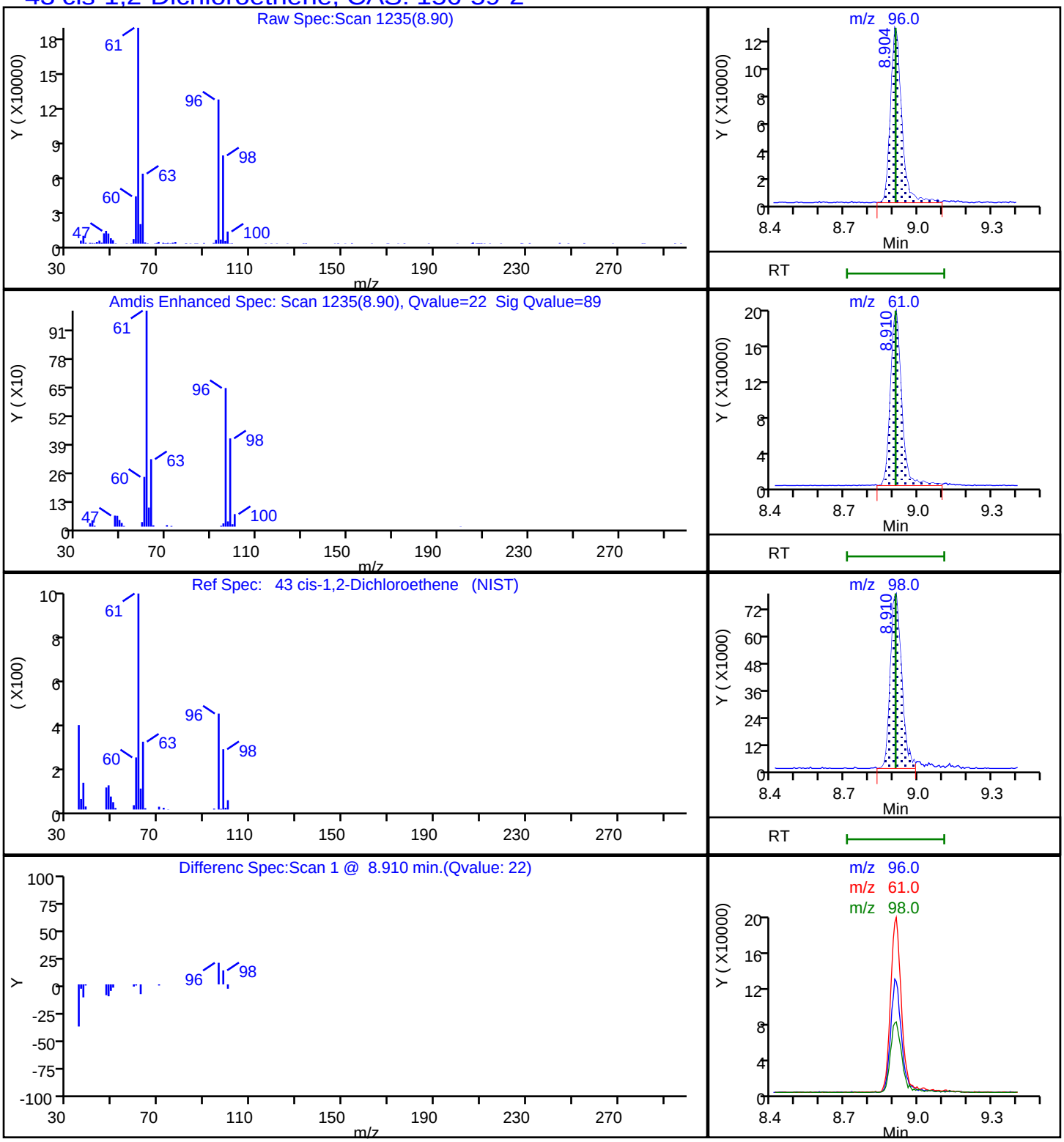


Report Date: 26-Nov-2021 11:22:03 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D				
Injection Date:	24-Nov-2021 21:36:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-8	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-007				
Operator ID:	0034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

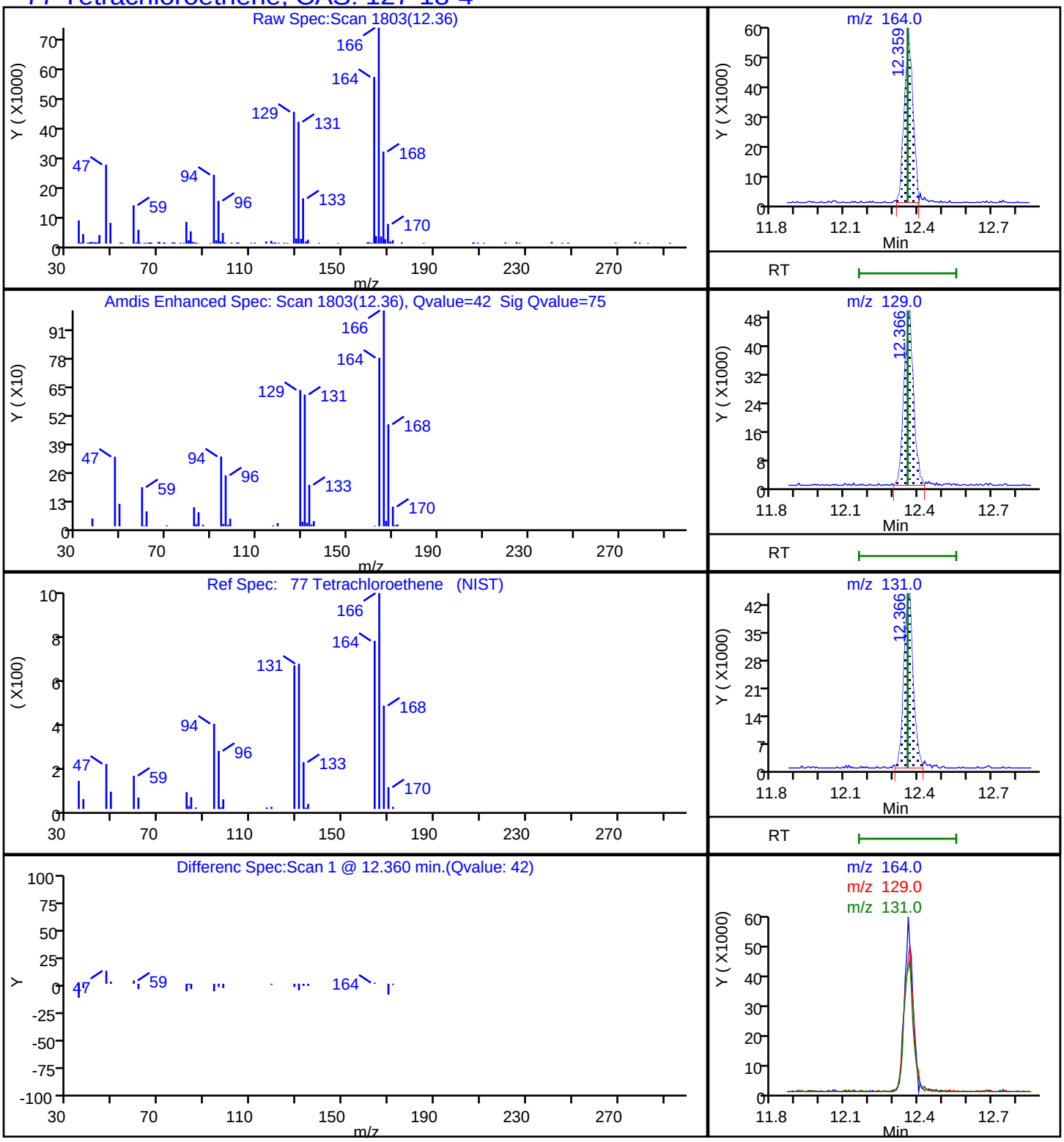
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D		
Injection Date:	24-Nov-2021 21:36:30	Instrument ID:	CHHP6
Lims ID:	180-130108-D-8	Lab Sample ID:	180-130108-8
Client ID:	WS-11201415-111521-SG-007		
Operator ID:	0034635	ALS Bottle#:	25 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

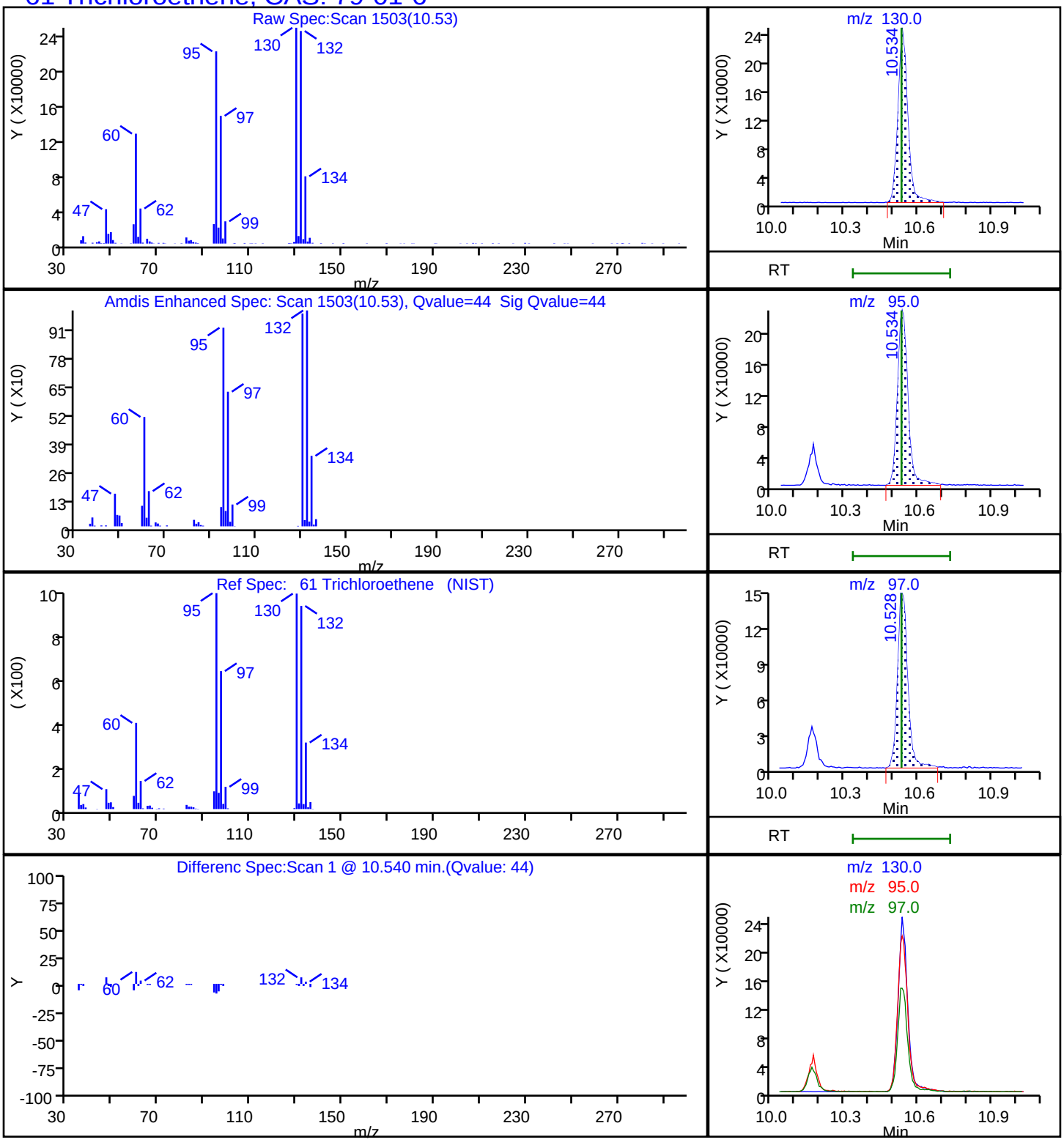
77 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D				
Injection Date:	24-Nov-2021 21:36:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-8	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-007				
Operator ID:	0034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

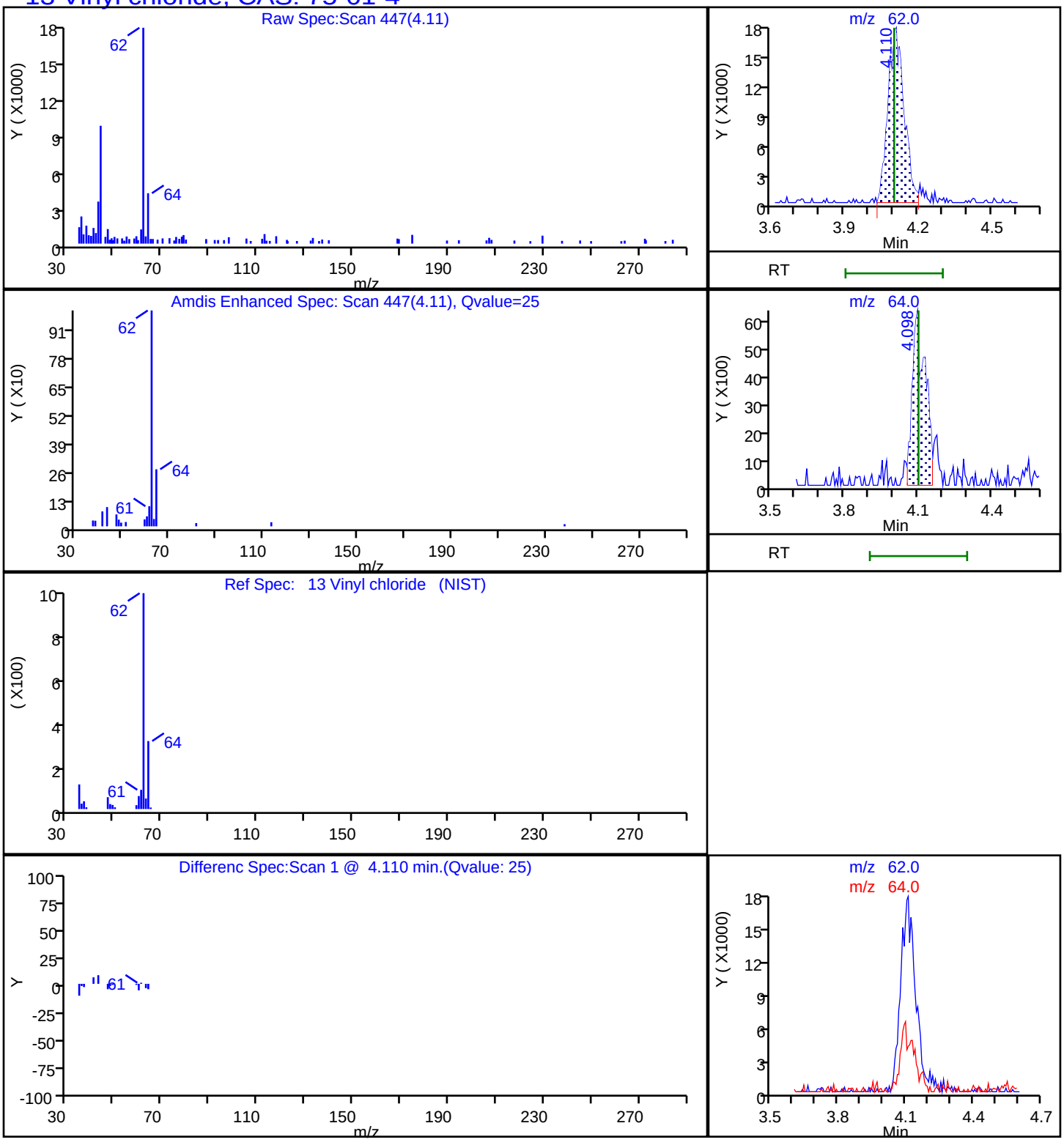
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124025.D				
Injection Date:	24-Nov-2021 21:36:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-8	Lab Sample ID:	180-130108-8		
Client ID:	WS-11201415-111521-SG-007				
Operator ID:	0034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-008 Lab Sample ID: 180-130108-9

Matrix: Water Lab File ID: 61124026.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 16:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 22:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	11		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	0.95	J	1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	*Trichloroethene*	*87*	*E*	*1.0*	*0.69*
75-01-4	Vinyl chloride	1.1		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	74		28-163
460-00-4	4-Bromofluorobenzene (Surr)	57		41-122
2037-26-5	Toluene-d8 (Surr)	99		53-125
1868-53-7	Dibromofluoromethane (Surr)	101		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D
Lims ID: 180-130108-E-9
Client ID: WS-11201415-111521-SG-008
Sample Type: Client
Inject. Date: 24-Nov-2021 22:05:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-026
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:52:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.307	0.003	42	307754	1000.0	
* 2 Fluorobenzene (IS)	96	10.163	10.161	0.002	35	1558236	50.0	
* 3 Chlorobenzene-d5	119	13.235	13.245	-0.010	30	313792	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.626	15.624	0.002	29	244373	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.451	9.449	0.002	47	331932	50.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.826	0.008	47	377260	36.8	
$ 7 Toluene-d8 (Surr)	98	11.769	11.767	0.002	41	1386144	49.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.413	0.002	38	267476	28.7	
13 Vinyl chloride	62	4.116	4.101	0.015	97	60047	5.66	M
43 cis-1,2-Dichloroethene	96	8.910	8.907	0.003	22	502154	53.2	
61 Trichloroethene	130	10.534	10.532	0.002	44	3750301	435.3	E
73 Toluene	91	11.836	11.834	0.002	1	11143	0.3165	
77 Tetrachloroethene	164	12.359	12.357	0.002	42	31947	4.76	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
Review Flags
M - Manually Integrated

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

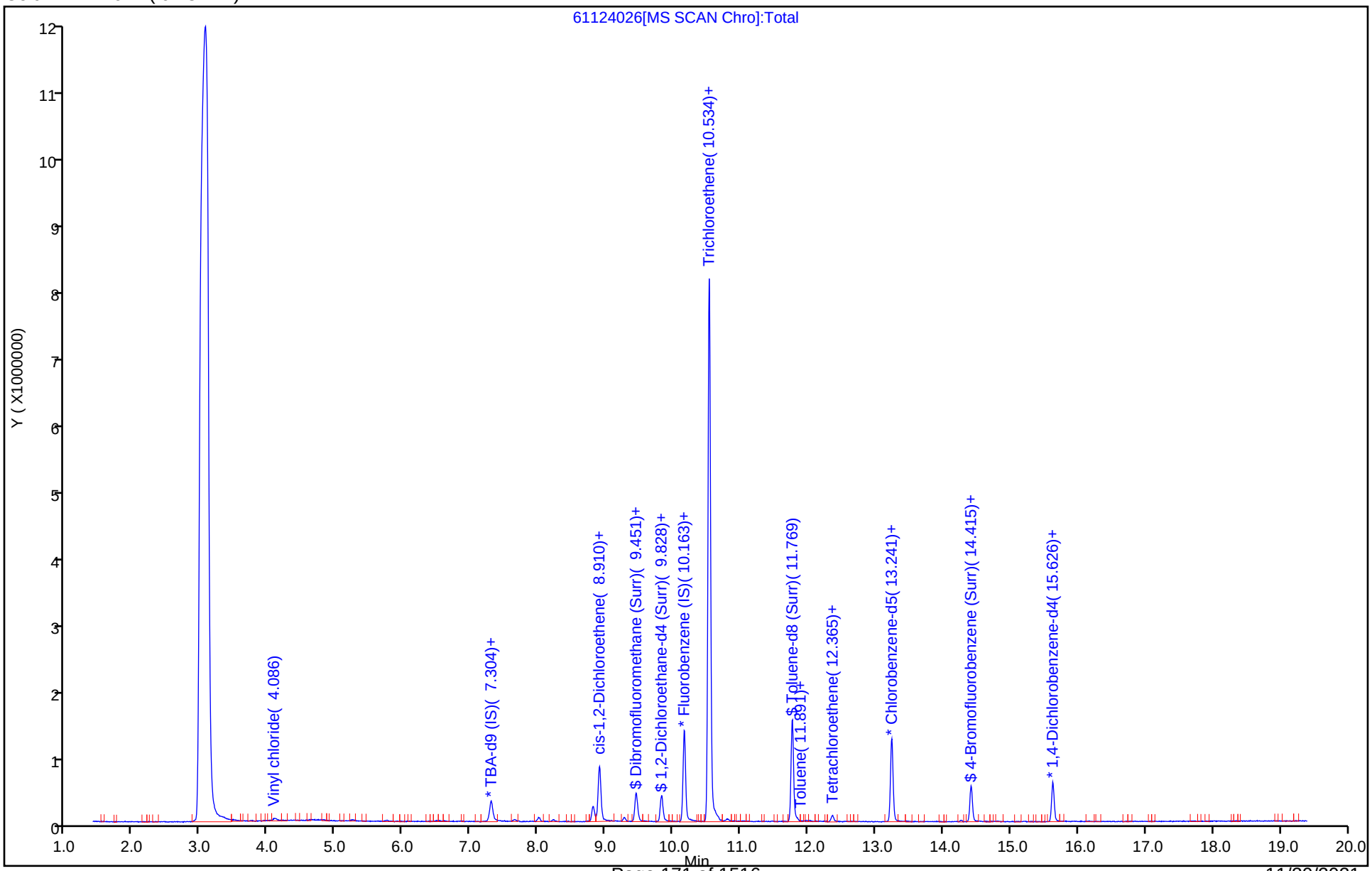
Report Date: 26-Nov-2021 11:22:04 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D

Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9	Worklist Smp#:	26
Client ID:	WS-11201415-111521-SG-008				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

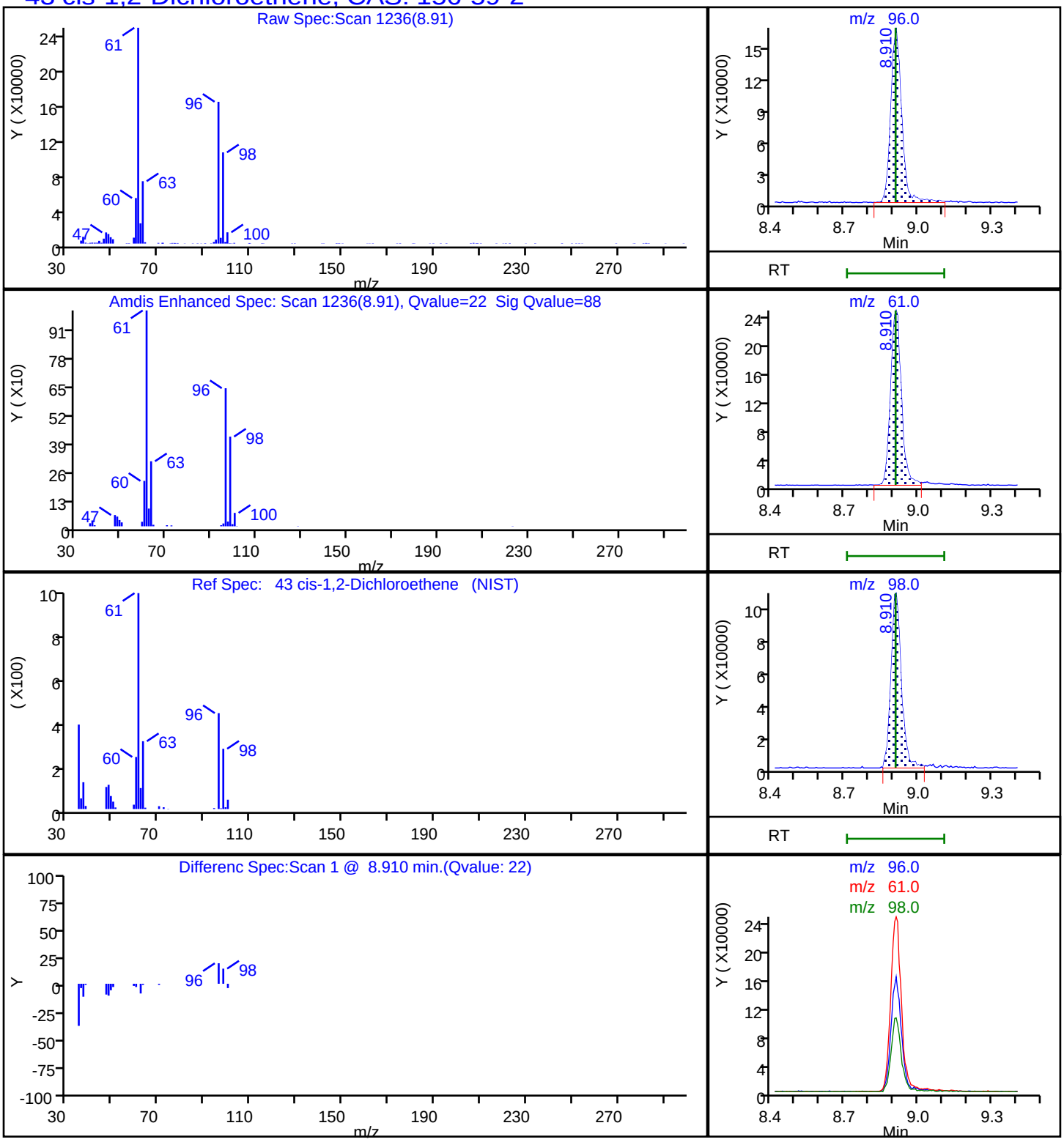
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D				
Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

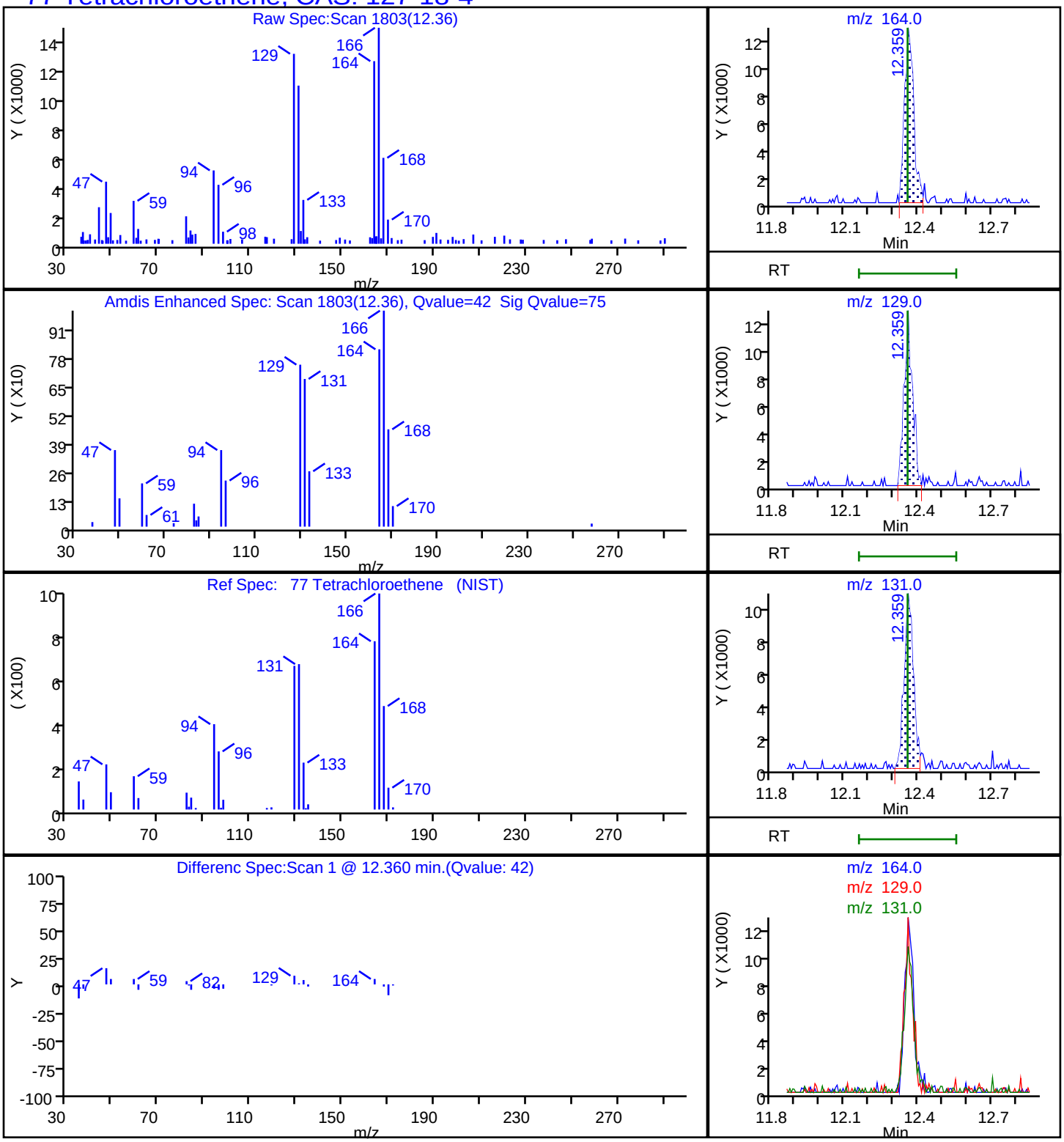
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D		
Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9
Client ID:	WS-11201415-111521-SG-008		
Operator ID:	0034635	ALS Bottle#:	26 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

77 Tetrachloroethene, CAS: 127-18-4

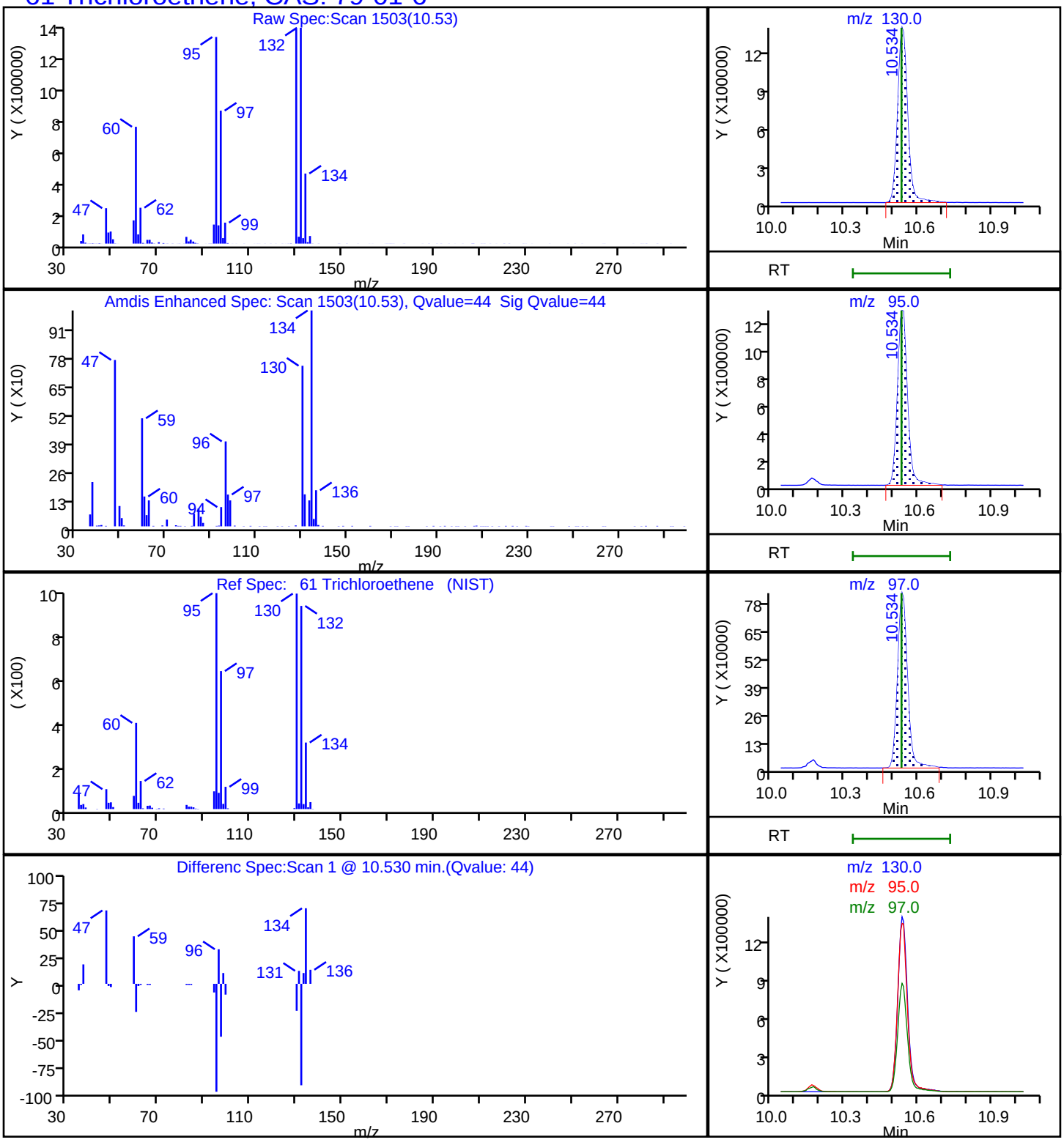


Report Date: 26-Nov-2021 11:22:05 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D		
Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9
Client ID:	WS-11201415-111521-SG-008		
Operator ID:	0034635	ALS Bottle#:	26 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

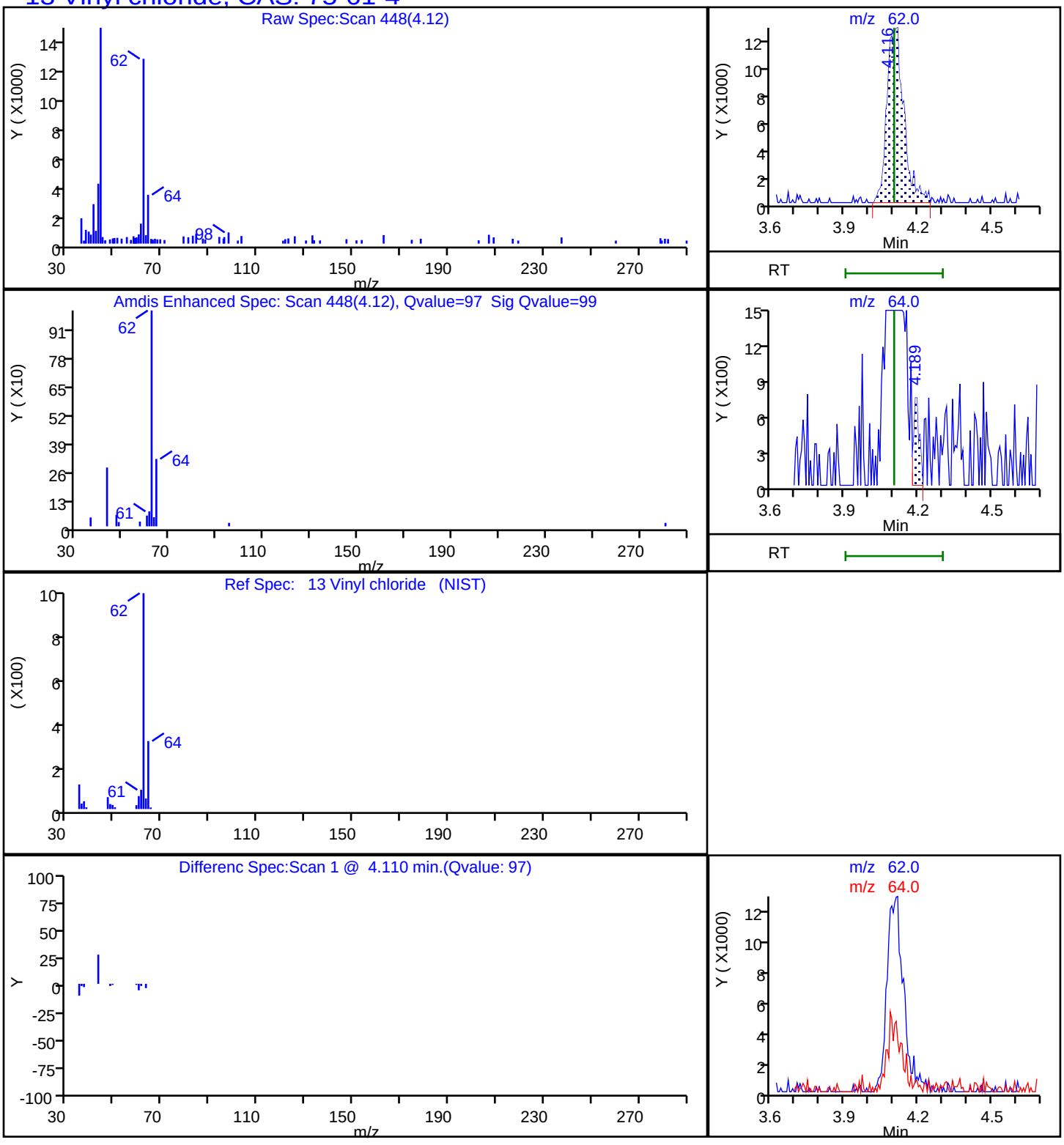
61 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D				
Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

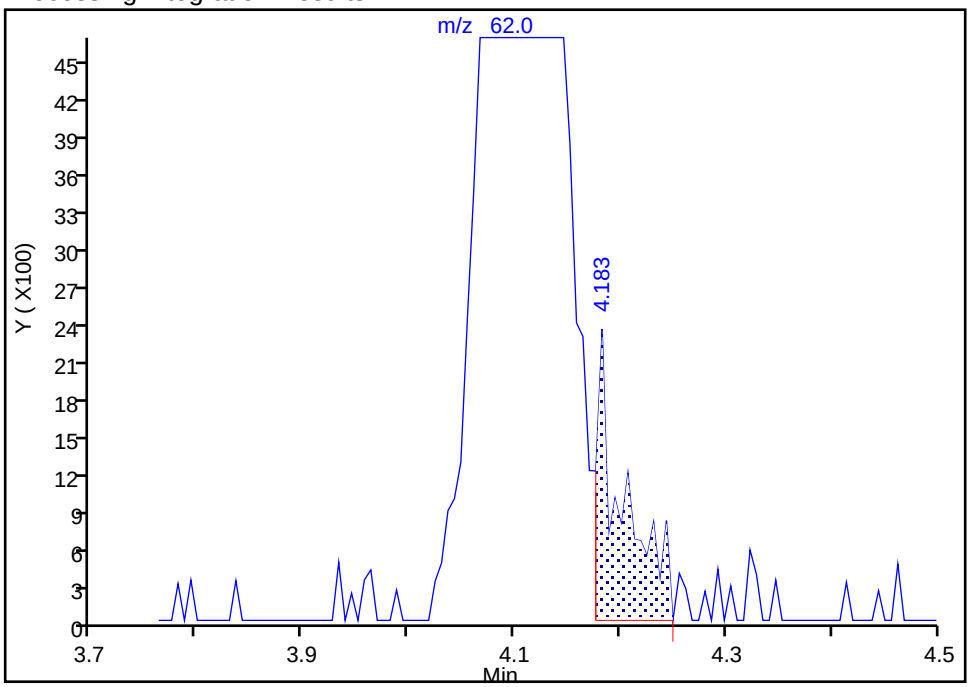
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124026.D				
Injection Date:	24-Nov-2021 22:05:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-9	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

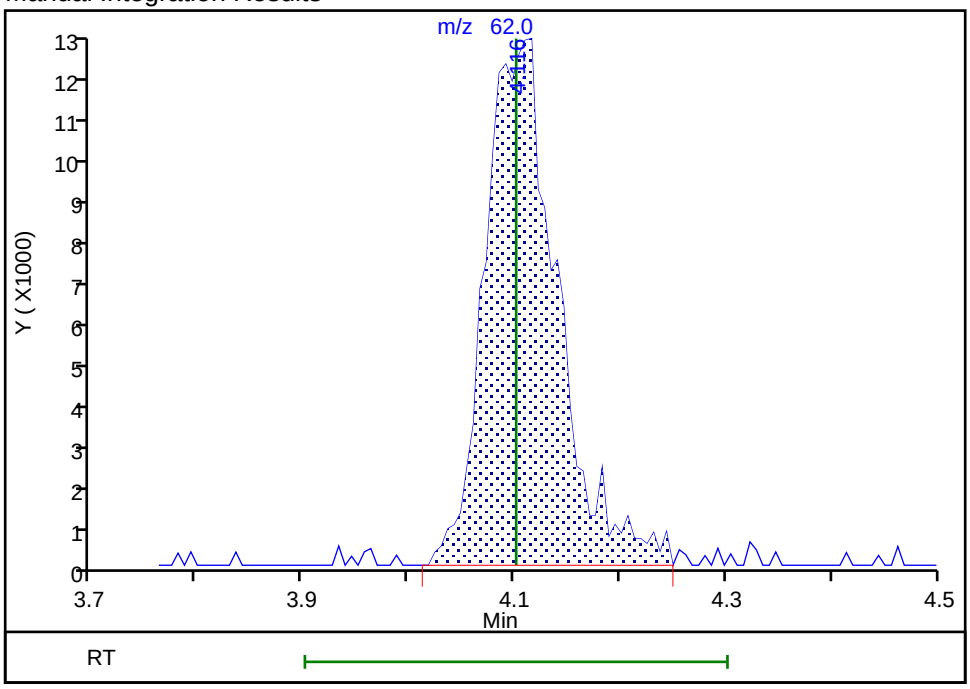
Processing Integration Results

RT: 4.18
Area: 3907
Amount: 0.367972
Amount Units: ng



Manual Integration Results

RT: 4.12
Area: 60047
Amount: 5.655390
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:52:01

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-008 DL Lab Sample ID: 180-130108-9 DL

Matrix: Water Lab File ID: 61127024.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 16:00

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2021 00:53

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 380301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	*1,2-Dichlorobenzene*	*ND*		*10*	*3.6*
156-59-2	*cis-1,2-Dichloroethene*	*ND*		*10*	*7.1*
75-09-2	*Methylene Chloride*	*9.0*	*J*	*10*	*8.9*
127-18-4	*Tetrachloroethene*	*ND*		*10*	*4.7*
108-88-3	*Toluene*	*ND*		*10*	*4.6*
79-01-6	Trichloroethene	60		10	6.9
75-01-4	*Vinyl chloride*	*ND*		*10*	*4.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		28-163
460-00-4	4-Bromofluorobenzene (Surr)	68		41-122
2037-26-5	Toluene-d8 (Surr)	105		53-125
1868-53-7	Dibromofluoromethane (Surr)	115		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D
Lims ID: 180-130108-F-9 DL
Client ID: WS-11201415-111521-SG-008
Sample Type: Client
Inject. Date: 28-Nov-2021 00:53:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 180-0040259-024
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 09:47:27 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 28-Nov-2021 09:43:35

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	7.309	7.313	-0.004	40	234717	1000.0	
*	2 Fluorobenzene (IS)	96	10.169	10.166	0.003	35	1127283	50.0	
*	3 Chlorobenzene-d5	119	13.241	13.238	0.003	30	219653	50.0	
*	4 1,4-Dichlorobenzene-d4	152	15.632	15.623	0.009	29	160903	50.0	
$	5 Dibromofluoromethane (Surr)	113	9.457	9.448	0.009	47	273706	57.3	
$	6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.826	0.008	47	270149	36.4	
$	7 Toluene-d8 (Surr)	98	11.769	11.760	0.009	41	1037804	52.7	
$	8 4-Bromofluorobenzene (Surr)	95	14.415	14.413	0.003	37	221390	33.9	
	31 Methylene Chloride	84	7.285	7.307	-0.022	33	59309	4.48	
	43 cis-1,2-Dichloroethene	96	8.922	8.907	0.015	22	20891	3.06	
	61 Trichloroethene	130	10.540	10.537	0.003	44	188371	30.2	

QC Flag Legend

Processing Flags

Reagents:

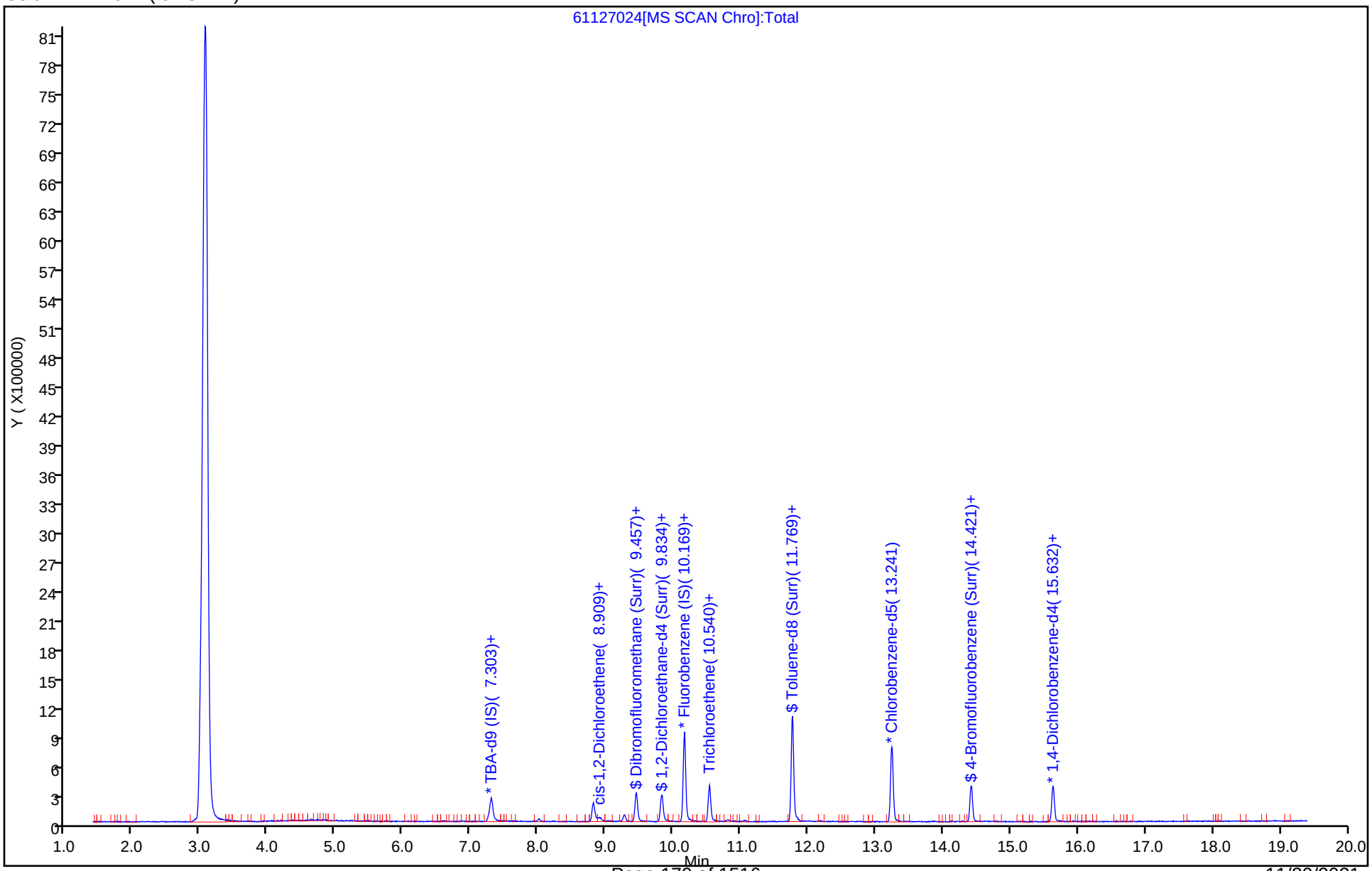
VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 28-Nov-2021 10:08:40 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D				
Injection Date:	28-Nov-2021 00:53:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-9 DL	Lab Sample ID:	180-130108-9	Worklist Smp#:	24
Client ID:	WS-11201415-111521-SG-008				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

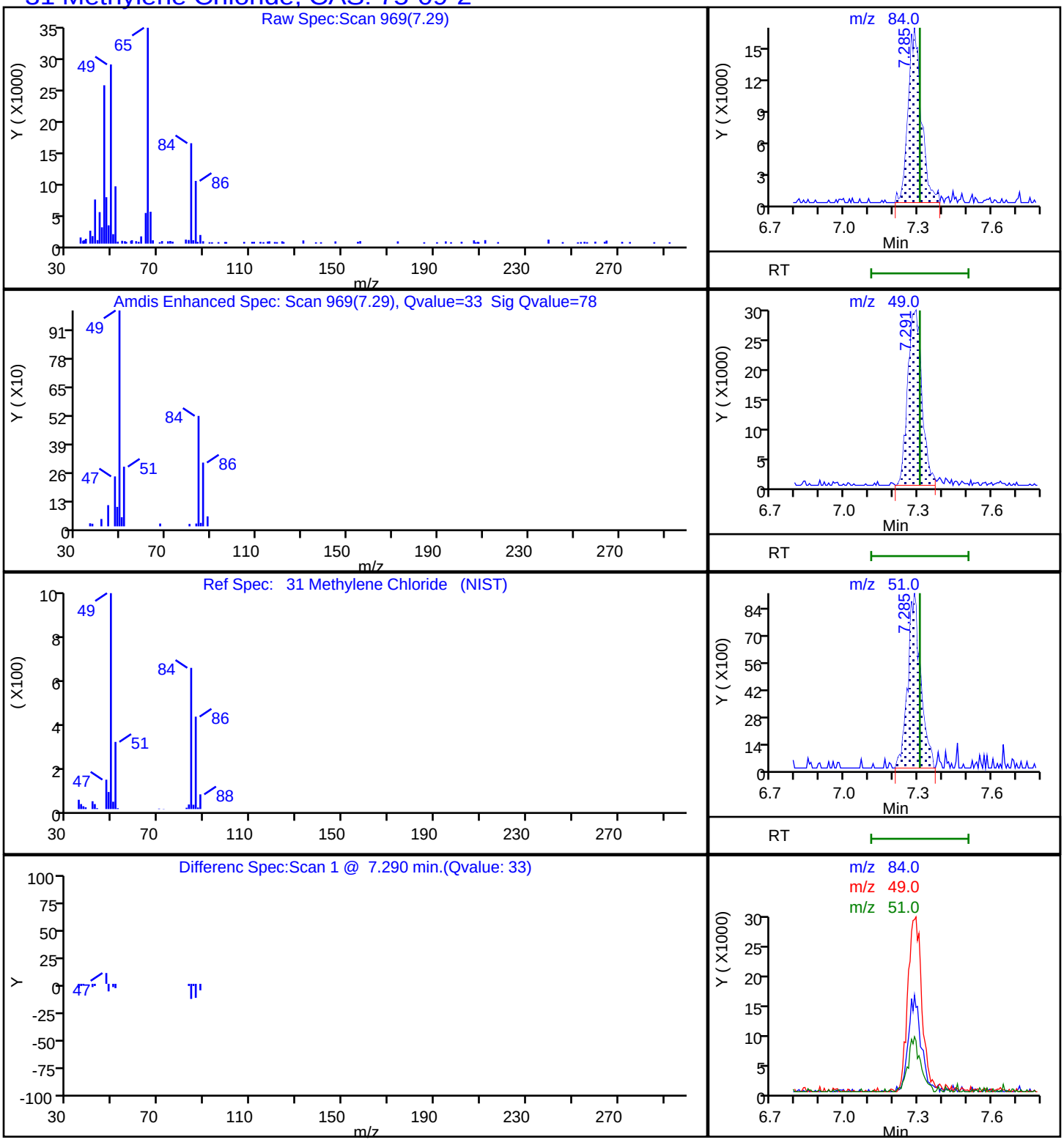
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D				
Injection Date:	28-Nov-2021 00:53:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-9 DL	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

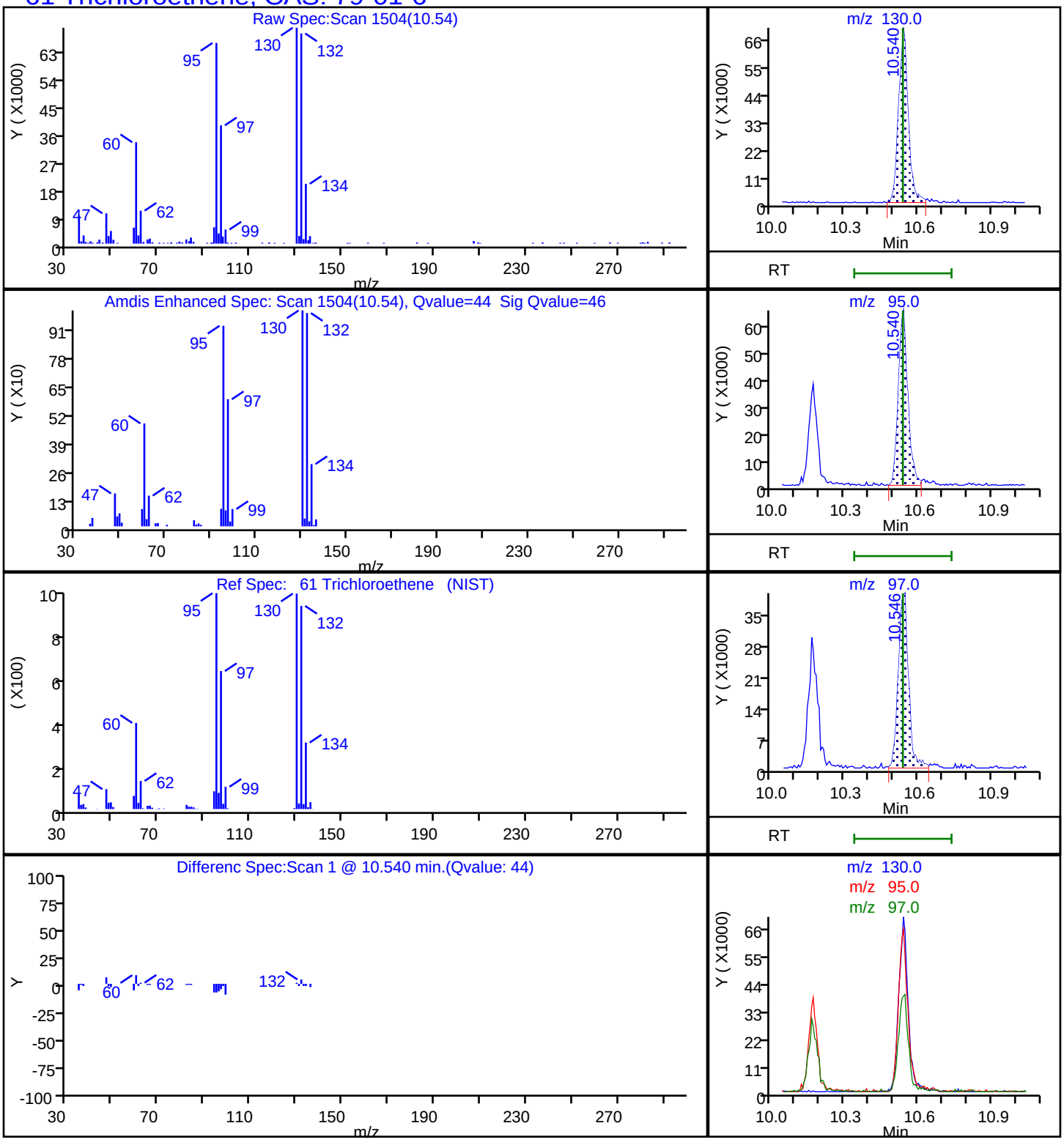
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D				
Injection Date:	28-Nov-2021 00:53:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-9 DL	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6



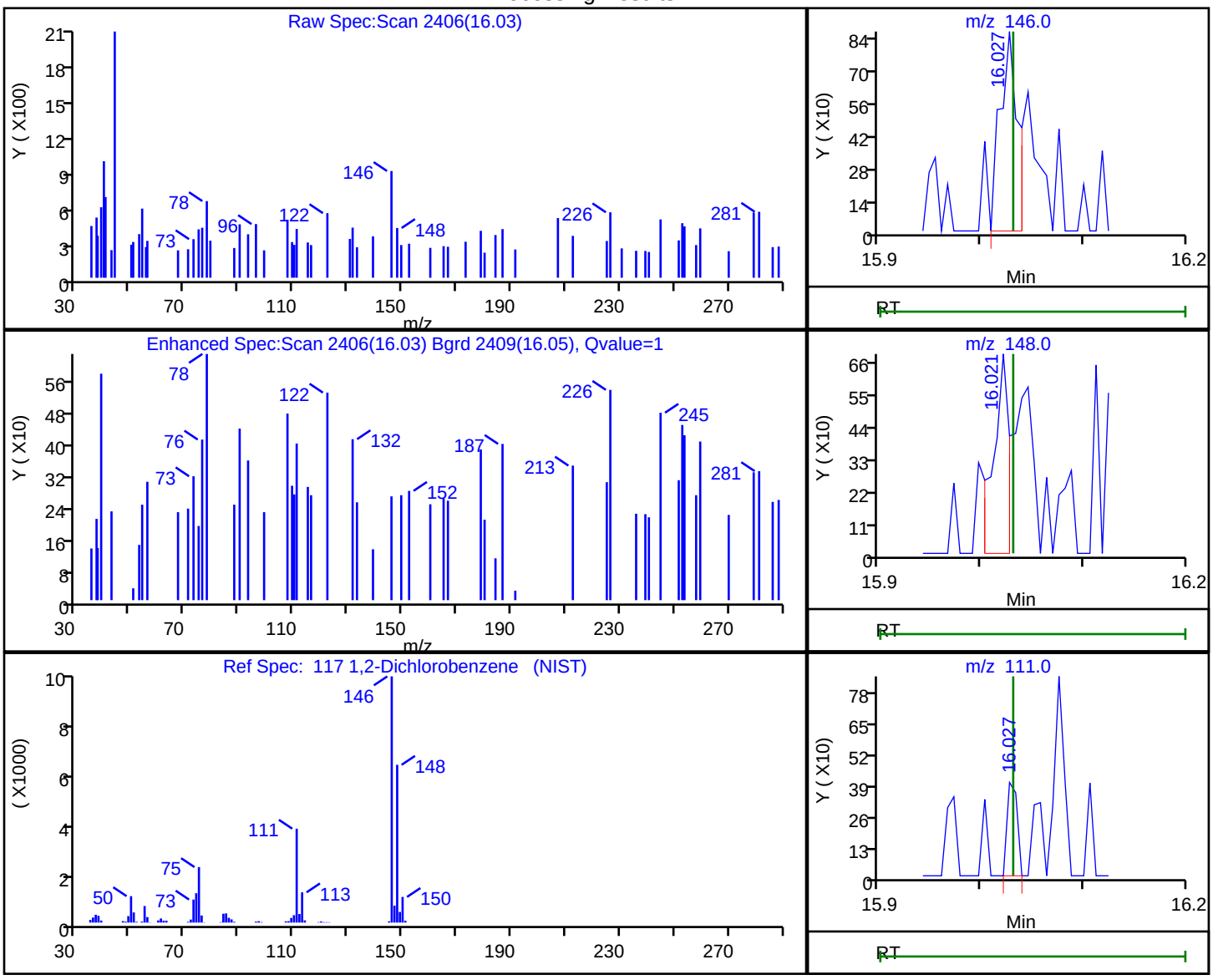
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D				
Injection Date:	28-Nov-2021 00:53:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-9 DL	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.03	146.00	1048	0.226391
16.02	148.00	733	
16.03	111.00	274	

Reviewer: journetp, 28-Nov-2021 09:43:32

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

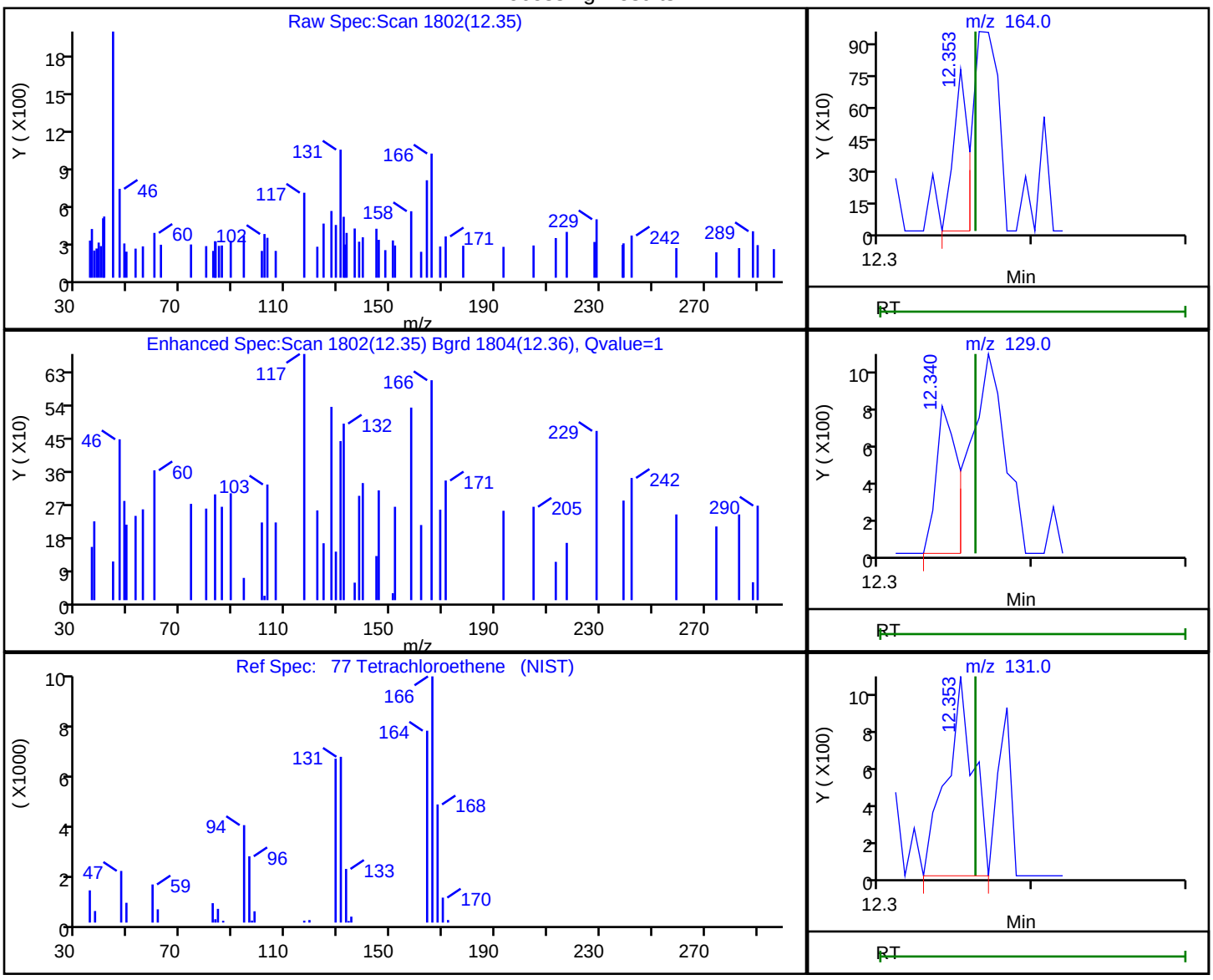
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127024.D				
Injection Date:	28-Nov-2021 00:53:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-9 DL	Lab Sample ID:	180-130108-9		
Client ID:	WS-11201415-111521-SG-008				
Operator ID:	0034635	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

77 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
12.35	164.00	529	0.112706
12.34	129.00	725	
12.35	131.00	1241	

Reviewer: journetp, 28-Nov-2021 09:43:29

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-009 Lab Sample ID: 180-130108-10

Matrix: Water Lab File ID: 61124027.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 22:35

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	0.48	J	1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		28-163
460-00-4	4-Bromofluorobenzene (Surr)	56		41-122
2037-26-5	Toluene-d8 (Surr)	92		53-125
1868-53-7	Dibromofluoromethane (Surr)	105		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124027.D
Lims ID: 180-130108-D-10
Client ID: WS-11201415-111521-SG-009
Sample Type: Client
Inject. Date: 24-Nov-2021 22:35:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-027
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:52:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.304	7.307	-0.003	51	319564	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.161	0.008	35	1442638	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.245	-0.004	30	297912	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.626	15.624	0.002	29	230505	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.451	9.449	0.002	47	321390	52.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.828	9.826	0.002	47	337370	35.5	
$ 7 Toluene-d8 (Surr)	98	11.763	11.767	-0.004	41	1225086	45.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.413	0.002	38	248445	28.0	
31 Methylene Chloride	84	7.285	7.271	0.014	33	51076	1.43	
43 cis-1,2-Dichloroethene	96	8.922	8.907	0.015	1	3370	0.3860	
61 Trichloroethene	130	10.528	10.532	-0.004	1	3718	0.4661	
77 Tetrachloroethene	164	12.359	12.357	0.002	42	15403	2.42	

QC Flag Legend
Processing Flags

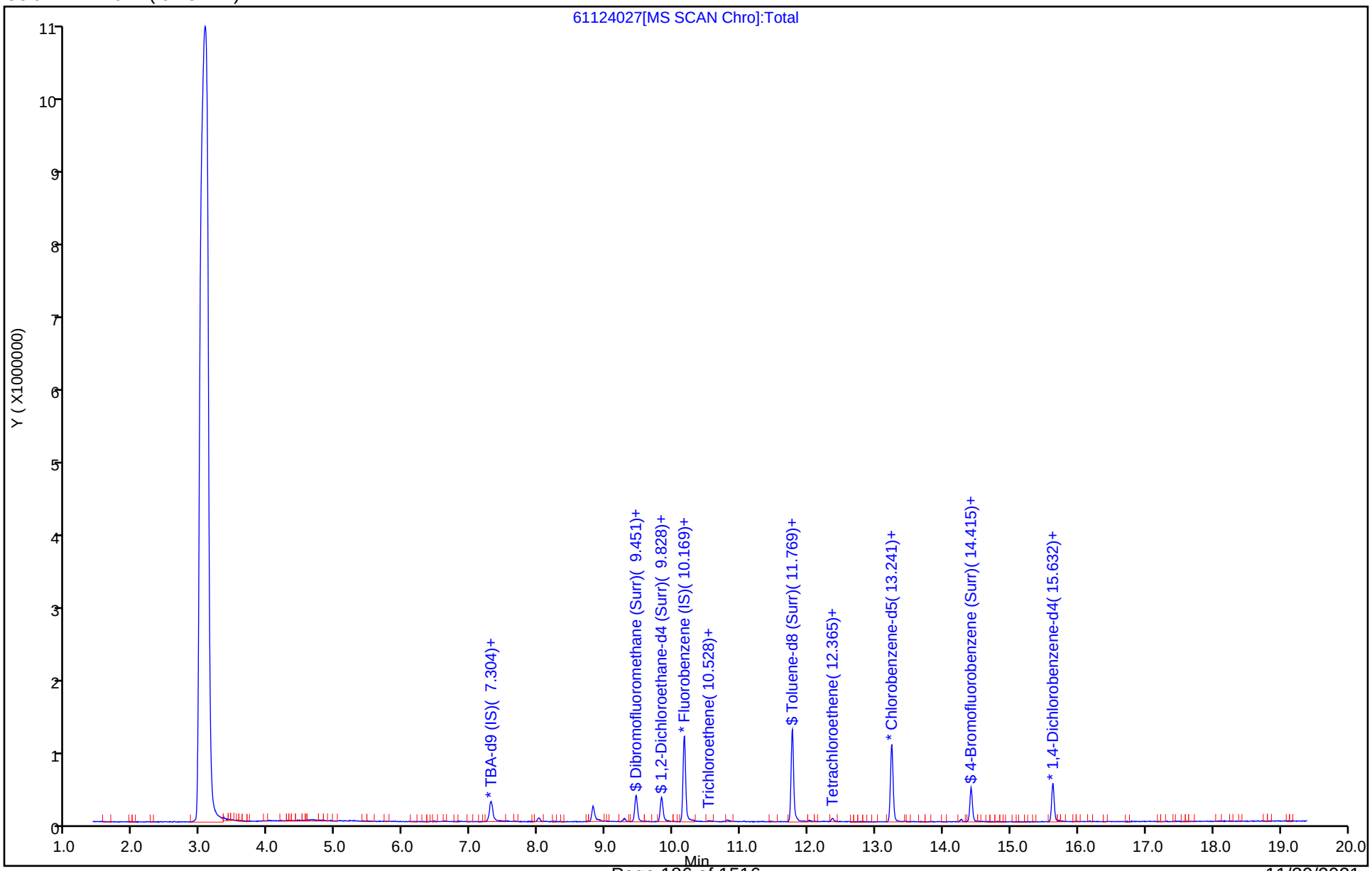
Reagents:
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 26-Nov-2021 11:22:06 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124027.D				
Injection Date:	24-Nov-2021 22:35:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-10	Lab Sample ID:	180-130108-10	Worklist Smp#:	27
Client ID:	WS-11201415-111521-SG-009				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

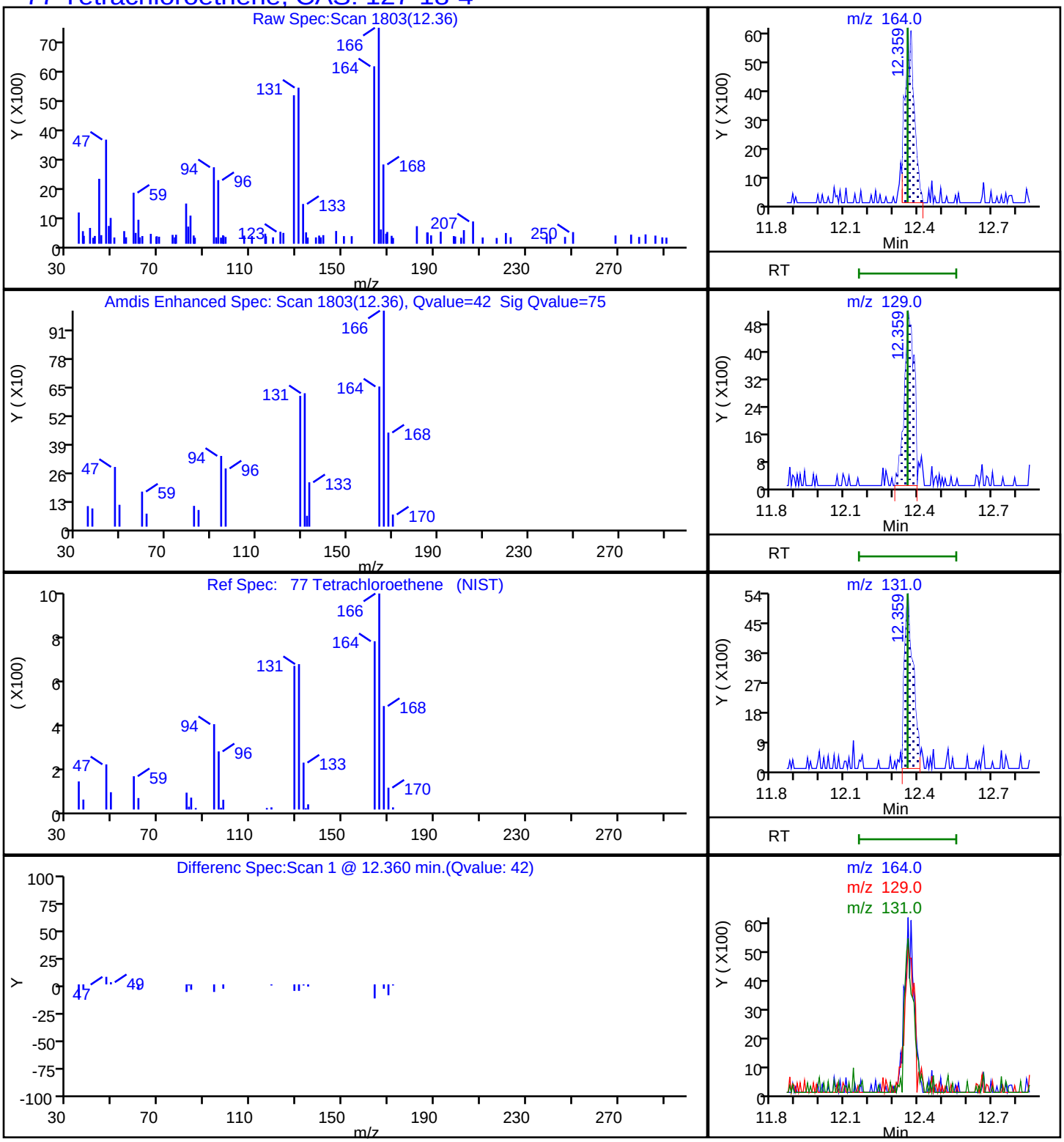
Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124027.D				
Injection Date:	24-Nov-2021 22:35:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-10	Lab Sample ID:	180-130108-10		
Client ID:	WS-11201415-111521-SG-009				
Operator ID:	0034635	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

77 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111621-SG-010 Lab Sample ID: 180-130108-11

Matrix: Water Lab File ID: 61126021.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 22:28

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	0.80	J	1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	62		28-163
460-00-4	4-Bromofluorobenzene (Surr)	62		41-122
2037-26-5	Toluene-d8 (Surr)	95		53-125
1868-53-7	Dibromofluoromethane (Surr)	100		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126021.D
Lims ID: 180-130108-D-11
Client ID: WS-11201415-111621-SG-010
Sample Type: Client
Inject. Date: 26-Nov-2021 22:28:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-021
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 27-Nov-2021 15:46:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.302	7.306	-0.004	42	190223	1000.0	s
* 2 Fluorobenzene (IS)	96	10.168	10.165	0.003	35	1200562	50.0	
* 3 Chlorobenzene-d5	119	13.240	13.237	0.003	30	235806	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.631	15.628	0.003	29	179557	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.456	9.447	0.009	47	255443	50.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.827	9.830	-0.003	47	245636	31.1	
$ 7 Toluene-d8 (Surr)	98	11.768	11.765	0.003	41	1001896	47.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.411	0.003	37	218742	31.2	
43 cis-1,2-Dichloroethene	96	8.908	8.906	0.002	22	29020	3.99	
61 Trichloroethene	130	10.539	10.536	0.003	45	9912	1.49	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

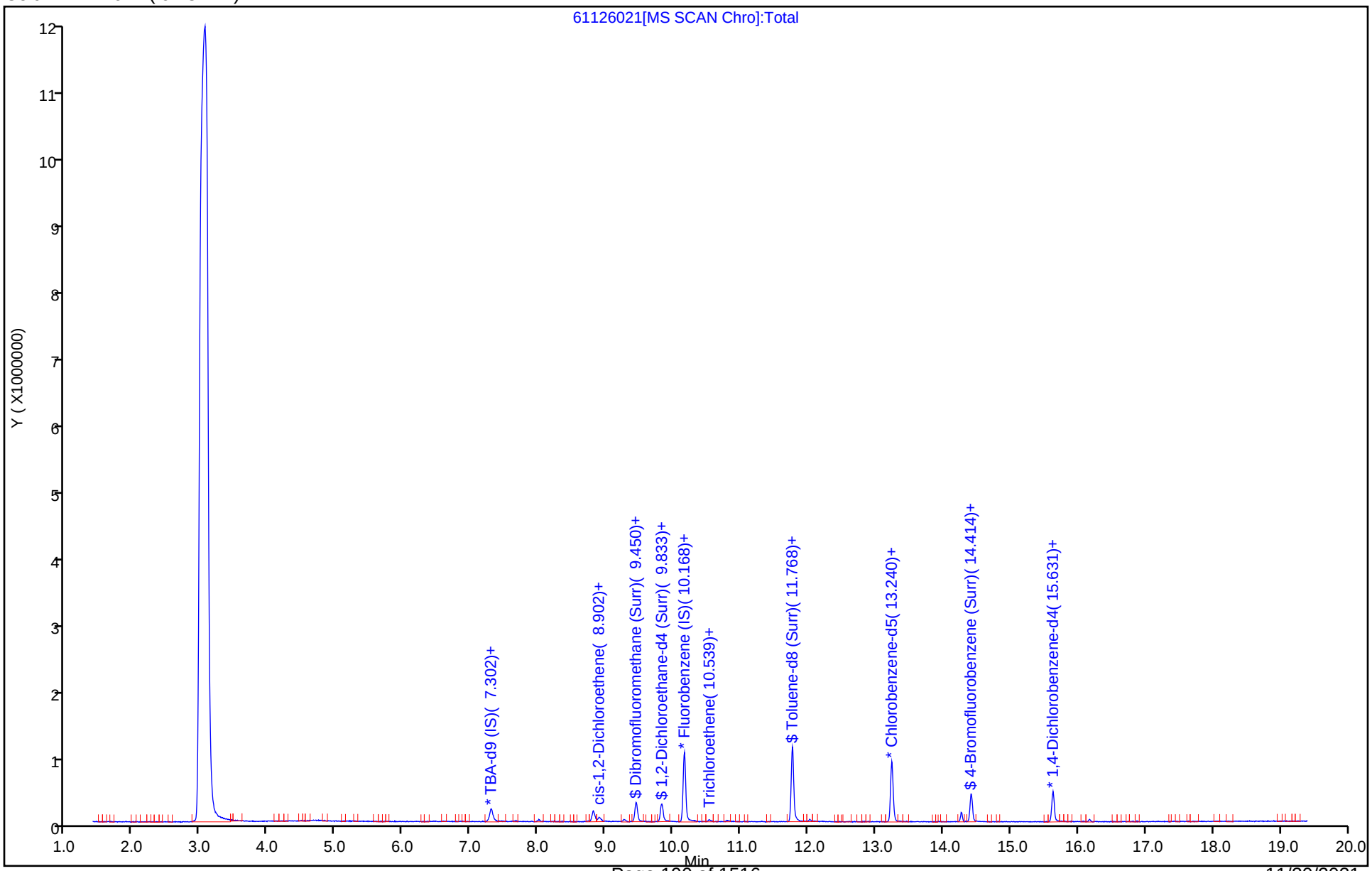
VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

Report Date: 27-Nov-2021 15:48:28 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126021.D				
Injection Date:	26-Nov-2021 22:28:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-11	Lab Sample ID:	180-130108-11	Worklist Smp#:	21
Client ID:	WS-11201415-111621-SG-010				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)

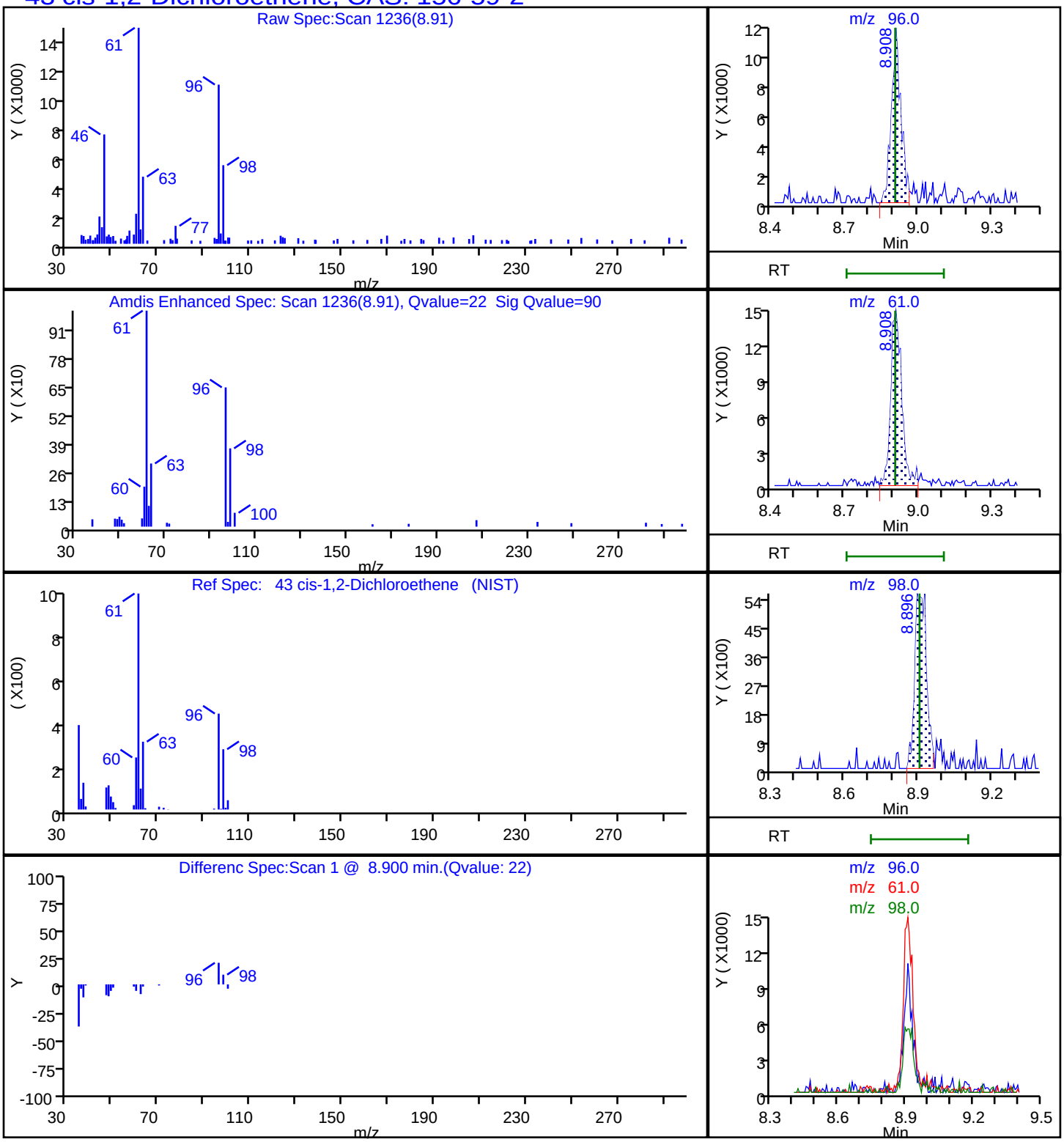


Report Date: 27-Nov-2021 15:48:28 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126021.D				
Injection Date:	26-Nov-2021 22:28:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-11	Lab Sample ID:	180-130108-11		
Client ID:	WS-11201415-111621-SG-010				
Operator ID:	0034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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



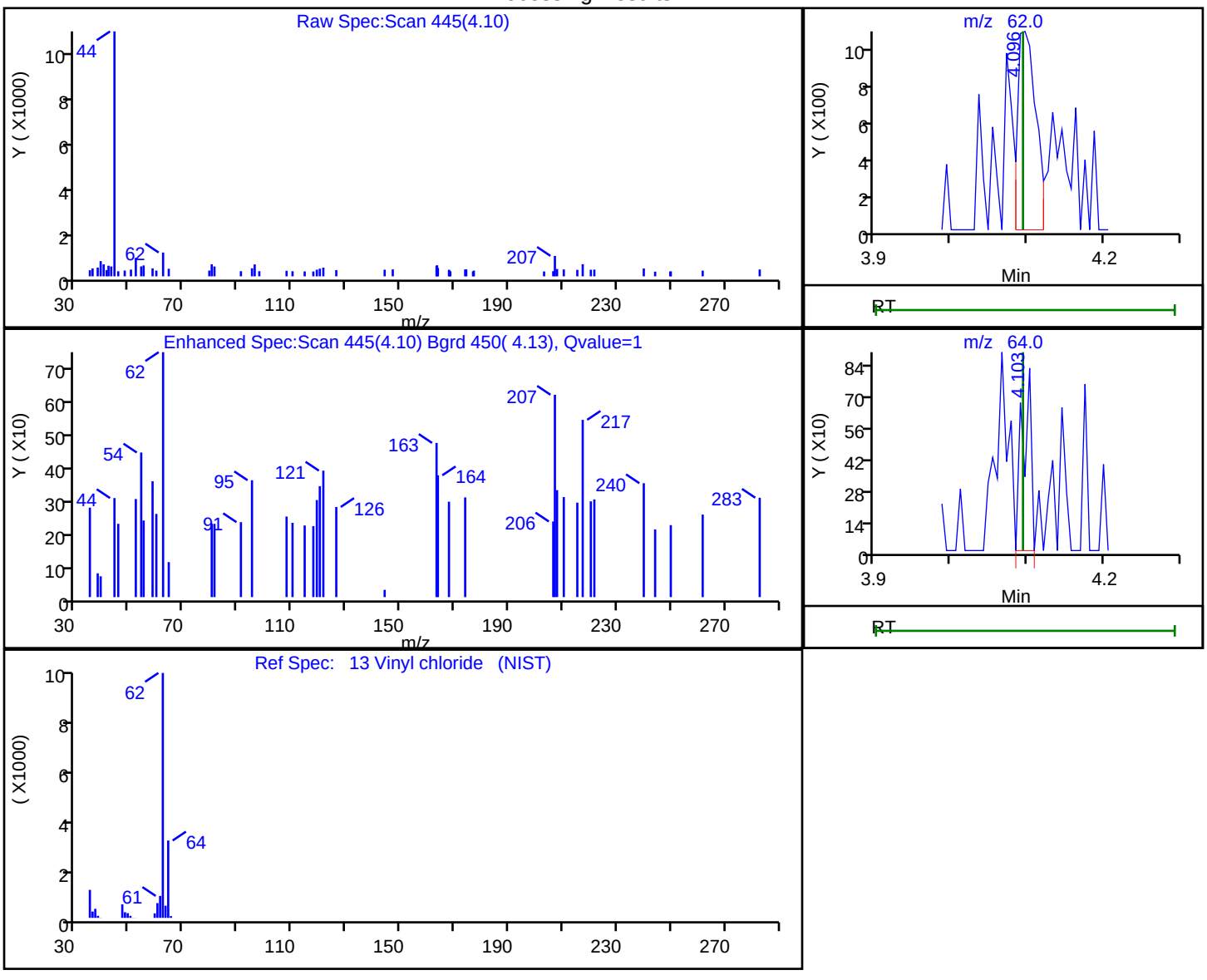
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126021.D				
Injection Date:	26-Nov-2021 22:28:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-11	Lab Sample ID:	180-130108-11		
Client ID:	WS-11201415-111621-SG-010				
Operator ID:	0034635	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
4.10	62.00	1784	0.218079
4.10	64.00	665	

Reviewer: journetp, 27-Nov-2021 15:46:49

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111621-SG-011 Lab Sample ID: 180-130108-12

Matrix: Water Lab File ID: 61126022.D

Analysis Method: EPA 624.1 Date Collected: 11/16/2021 11:40

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 22:58

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	65		28-163
460-00-4	4-Bromofluorobenzene (Surr)	62		41-122
2037-26-5	Toluene-d8 (Surr)	97		53-125
1868-53-7	Dibromofluoromethane (Surr)	105		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D
Lims ID: 180-130108-E-12
Client ID: WS-11201415-111621-SG-011
Sample Type: Client
Inject. Date: 26-Nov-2021 22:58:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-022
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 27-Nov-2021 15:47:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.297	7.306	-0.009	42	197842	1000.0	s
* 2 Fluorobenzene (IS)	96	10.163	10.165	-0.002	35	1183116	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.237	0.004	30	230423	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.625	15.628	-0.003	29	171263	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.447	0.010	47	264321	52.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.828	9.830	-0.002	47	251449	32.3	
$ 7 Toluene-d8 (Surr)	98	11.769	11.765	0.004	41	999423	48.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.411	0.004	38	211015	30.8	
24 Acetone	43	6.604	6.588	0.016	1	8913	3.57	
34 trans-1,2-Dichloroethene	96	7.644	7.653	-0.009	1	796	0.1180	
36 Hexane	57	8.009	8.005	0.004	24	13155	1.28	
50 Chloroform	83	9.274	9.277	-0.003	34	27816	2.36	
101 3-Chlorotoluene	126	11.908	11.841	0.067	1	261	NC	
62 Ethyl acrylate	55	14.391	14.384	0.007	1	112	NC	
112 1,2,3-Trimethylbenzene	105	15.662	15.655	0.007	1	377	NC	
115 Benzyl chloride	91	15.808	15.941	-0.133	1	282	NC	
126 2,4,5-Trichlorotoluene	159	16.051	16.008	0.043	1	457	NC	
S 130 1,2-Dichloroethene, Total	96				0		0.1180	
T 157 Ethanol TIC	45	14.853	14.888	-0.035	0	286	0.0121	

QC Flag Legend

Processing Flags
NC - Not Calibrated
s - Failed ISTD Recovery Test

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

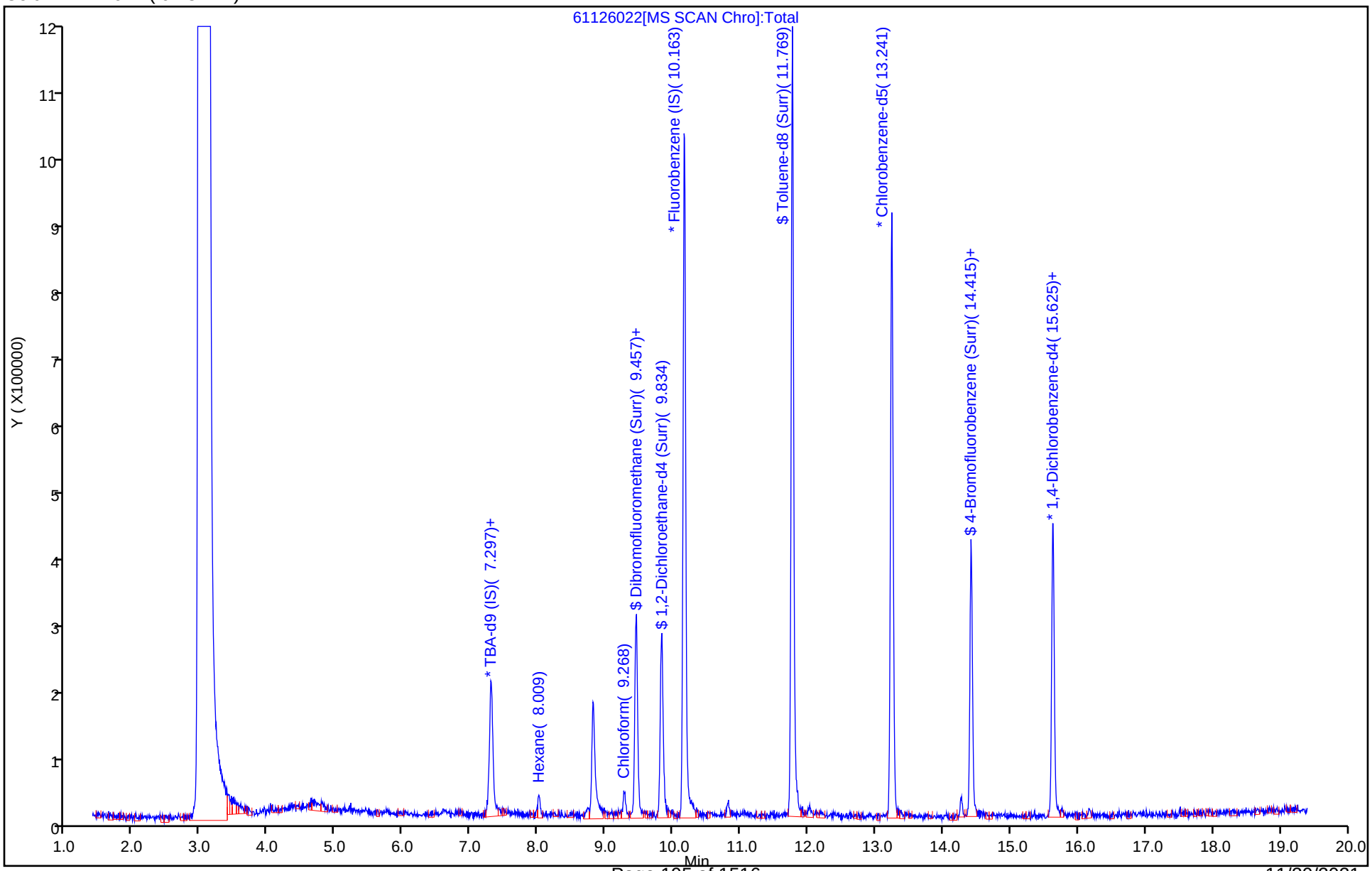
Report Date: 27-Nov-2021 15:48:26 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D

Injection Date:	26-Nov-2021 22:58:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-E-12	Lab Sample ID:	180-130108-12	Worklist Smp#:	22
Client ID:	WS-11201415-111621-SG-011				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



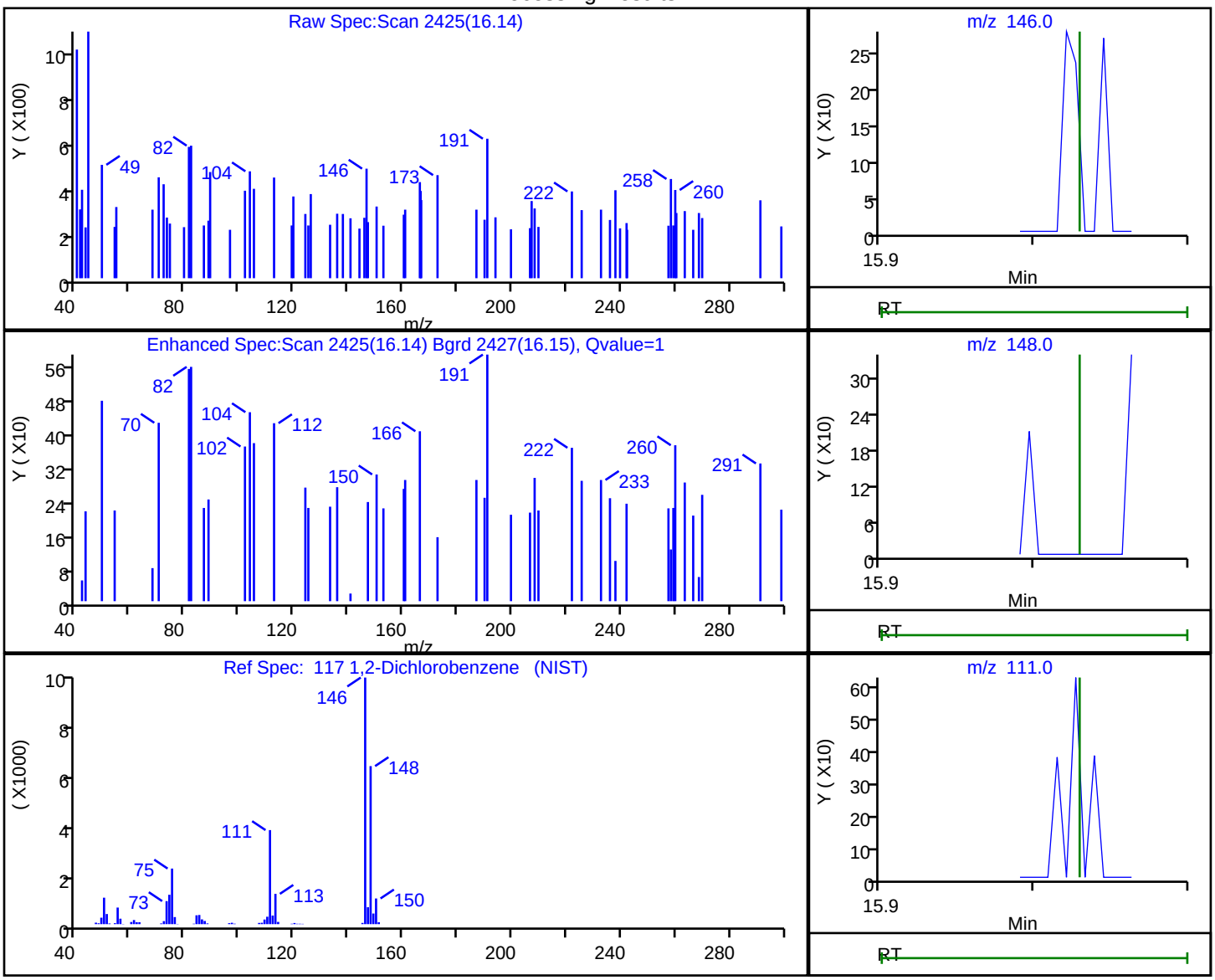
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D				
Injection Date:	26-Nov-2021 22:58:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-12	Lab Sample ID:	180-130108-12		
Client ID:	WS-11201415-111621-SG-011				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.14	146.00	259	0.052565
16.14	148.00	107	
16.03	111.00	0	

Reviewer: journetp, 27-Nov-2021 15:47:30

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

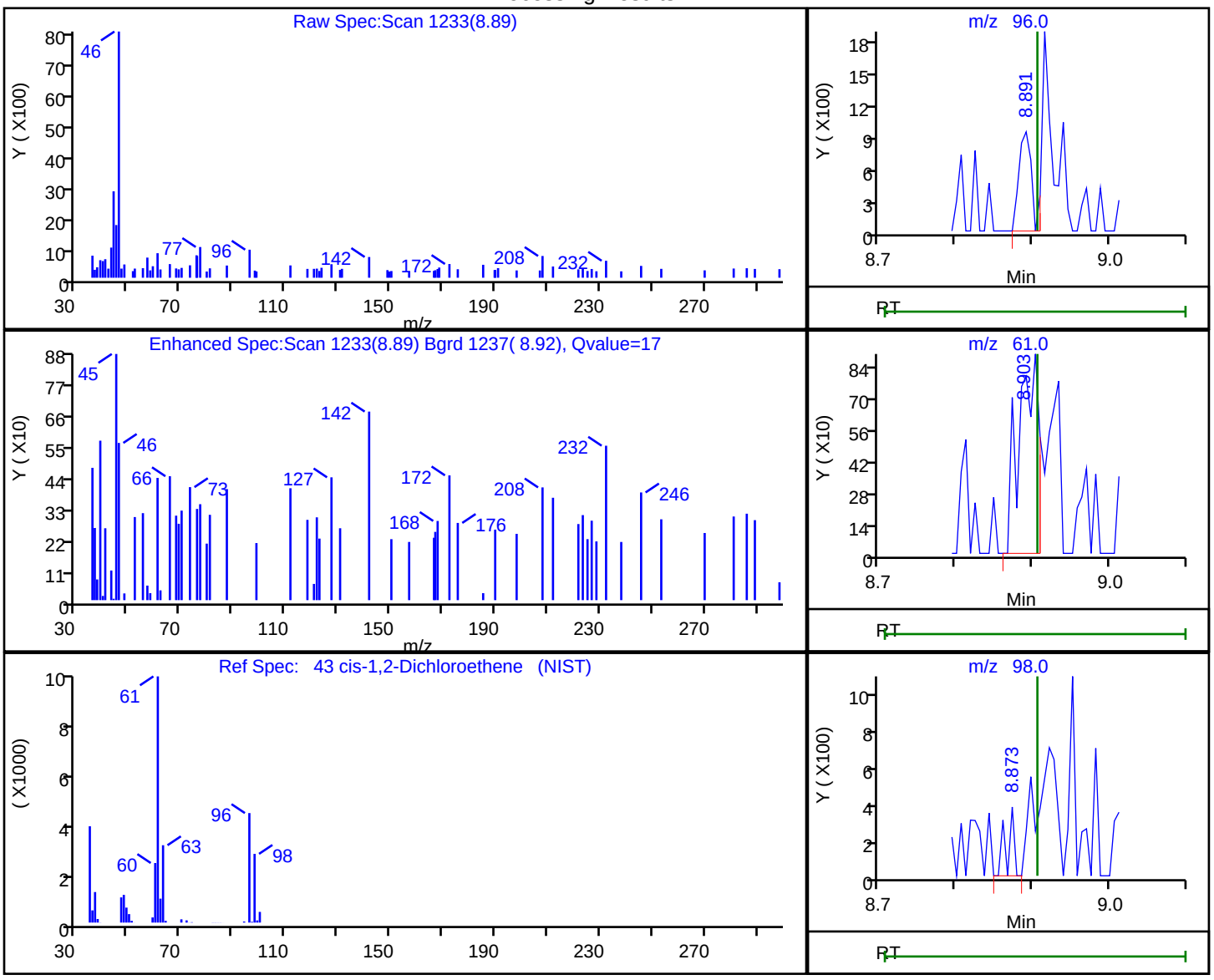
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D				
Injection Date:	26-Nov-2021 22:58:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-12	Lab Sample ID:	180-130108-12		
Client ID:	WS-11201415-111621-SG-011				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
8.89	96.00	1114	0.155581
8.90	61.00	1641	
8.87	98.00	236	

Reviewer: journetp, 27-Nov-2021 15:47:12

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

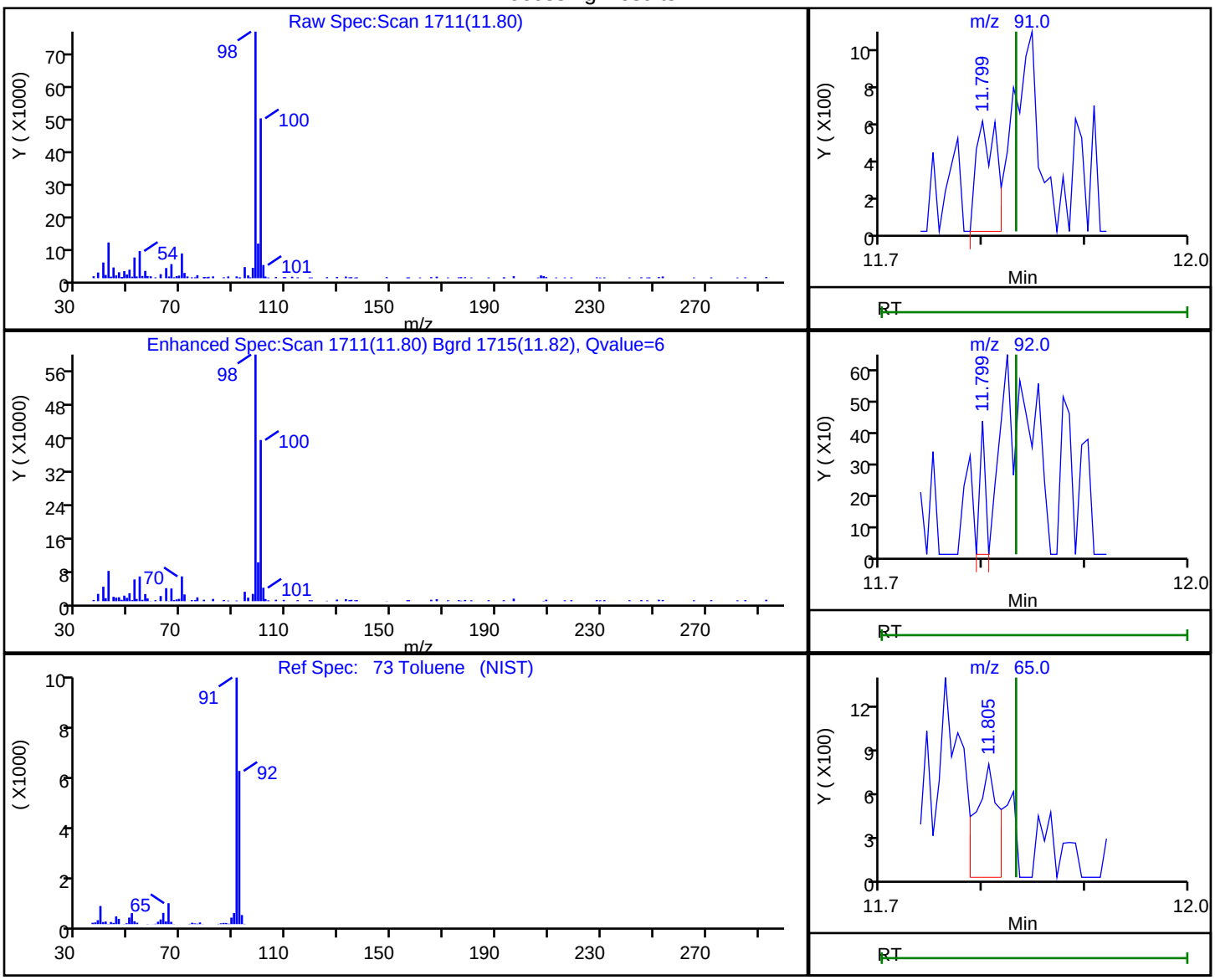
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D				
Injection Date:	26-Nov-2021 22:58:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-12	Lab Sample ID:	180-130108-12		
Client ID:	WS-11201415-111621-SG-011				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
11.80	91.00	758	0.029321
11.80	92.00	157	
11.81	65.00	1115	

Reviewer: journetp, 27-Nov-2021 15:47:23

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

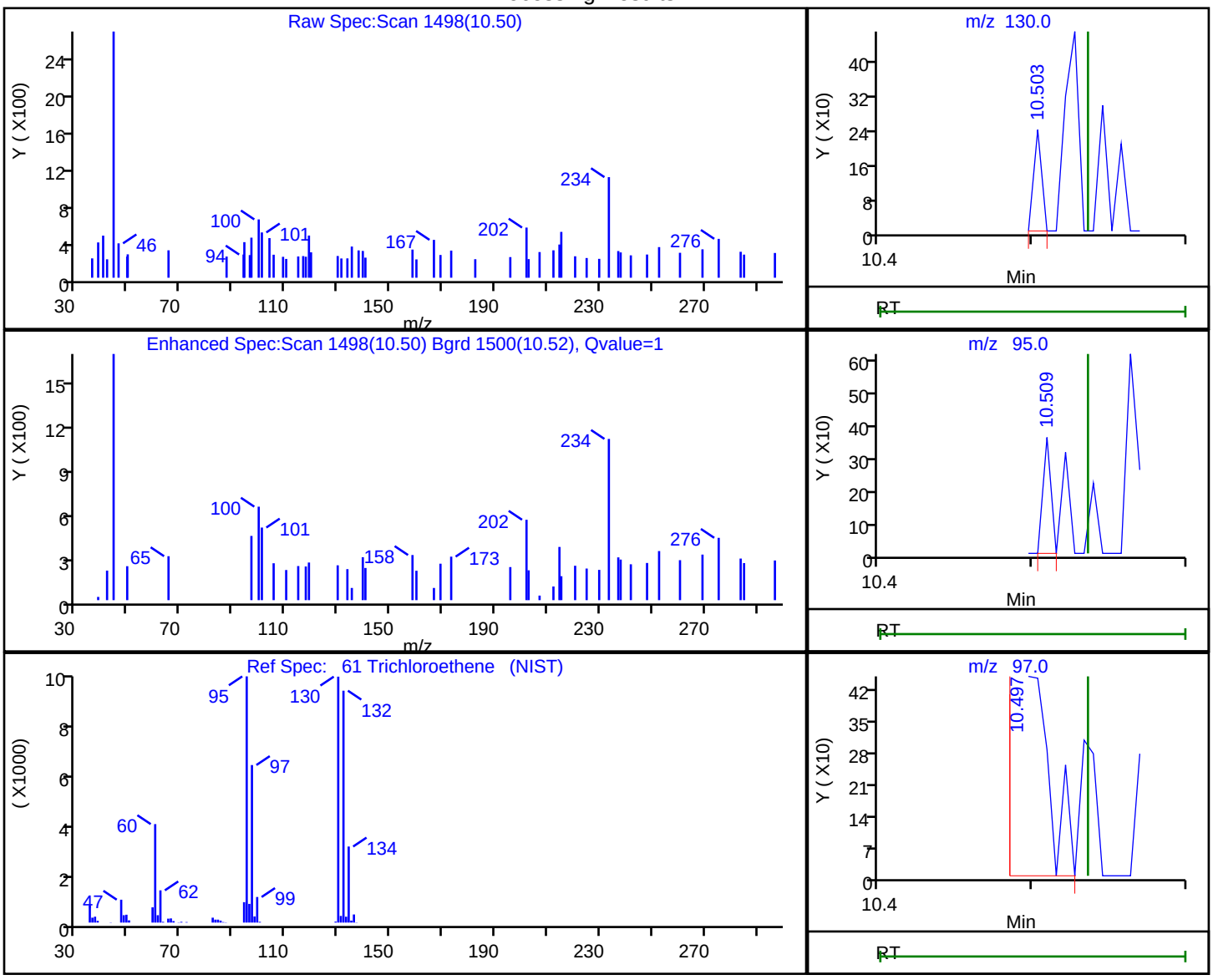
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126022.D				
Injection Date:	26-Nov-2021 22:58:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-E-12	Lab Sample ID:	180-130108-12		
Client ID:	WS-11201415-111621-SG-011				
Operator ID:	0034635	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
10.50	130.00	87	0.013300
10.51	95.00	130	
10.50	97.00	602	

Reviewer: journetp, 27-Nov-2021 15:47:23

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3784 0.3817	0.3771 0.3655	0.3208 0.2955	0.3374	0.3151	Ave		0.3464				9.7		35.0			
Chloromethane	0.4516 0.4315	0.4262 0.4343	0.3774 0.3795	0.3896	0.3778	Ave		0.4085			0.1000	7.4		35.0			
Vinyl chloride	0.3594 0.3799	0.3359 0.3720	0.3174 0.3082	0.3387	0.3140	Ave		0.3407				8.0		35.0			
Butadiene	0.5589 0.4298	0.4294 0.4221	0.3774 +++++	0.3811	0.3723	Lin2	0.8363	0.3893							0.9950		0.9900
Bromomethane	0.2477 0.1974	0.2169 0.1972	0.1885 0.1759	0.1857	0.1752	Ave		0.1981				12.2		35.0			
Chloroethane	0.2758 0.2425	0.2395 0.2422	0.2226 0.2073	0.2205	0.2052	Ave		0.2319				10.0		35.0			
Dichlorofluoromethane	0.6089 0.5781	0.5591 0.5567	0.4870 0.5079	0.5318	0.4966	Ave		0.5408				7.9		35.0			
Trichlorofluoromethane	0.5107 0.5169	0.4897 0.4995	0.4280 0.4094	0.4634	0.4282	Ave		0.4682				9.0		35.0			
Ethyl ether	0.2473 0.2629	0.2309 0.2783	0.2132 0.2872	0.2179	0.2266	Ave		0.2455				11.4		35.0			
1,1-Dichloroethene	0.2387 0.2440	0.2177 0.2429	0.2088 0.2003	0.2173	0.2008	Ave		0.2213				8.3		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3141 0.2744	0.2601 0.2673	0.2427 0.2192	0.2486	0.2308	Ave		0.2572				11.5		35.0			
Acetone	0.0762 0.1180	0.1074 0.1198	0.1000 +++++	0.1057	0.1117	Ave		0.1055				13.9		35.0			
Iodomethane	0.3313 0.3478	0.3331 0.3562	0.3016 0.3351	0.3082	0.2990	Ave		0.3266				6.5		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7411 0.7352	0.6658 0.7343	0.6051 0.6192	0.6493	0.6122	Ave		0.6703				8.7		35.0			
Methyl acetate	0.2229 0.2423	0.2113 0.2515	0.1893 0.2597	0.1965	0.2062	Ave		0.2225				11.8		35.0			
3-Chloro-1-propene	0.1437 0.1596	0.1285 0.1626	0.1177 0.1443	0.1319	0.1290	Ave		0.1397				11.3		35.0			
Methylene Chloride	0.6084 0.2898	0.3402 0.3073	0.2749 0.2946	0.2745	0.2748	Lin1	1.3680	0.2821							0.9950		0.9900
2-Methyl-2-propanol	1.0137 1.1460	1.1205 1.2812	1.0965 1.4105	1.1754	1.1138	Ave		1.1697				10.5		35.0			
Acrylonitrile	0.1162 0.1329	0.1076 0.1376	0.0993 0.1445	0.1037	0.1133	Ave		0.1194				14.1		35.0			
Methyl tert-butyl ether	0.5665 +++++	0.6006 +++++	0.5842 +++++	0.6176	0.6546	Ave		0.6047				5.6		35.0			
trans-1,2-Dichloroethene	0.3501 0.2977	0.2688 0.3026	0.2541 +++++	0.2672	0.2553	Ave		0.2851				12.1		35.0			
Hexane	0.3910 0.5096	0.4145 0.5009	0.4101 0.4073	0.4399	0.4145	Ave		0.4360				10.3		35.0			
1,1-Dichloroethane	0.5967 0.5741	0.5382 0.5874	0.4872 0.5425	0.5068	0.4872	Ave		0.5400			0.1000	8.1		35.0			
2-Butanone (MEK)	0.0701 0.1583	0.1362 0.1574	0.1293 0.1612	0.1388	0.1429	Ave		0.1368				21.5		35.0			
cis-1,2-Dichloroethene	0.3557 0.3185	0.2886 0.3276	0.2713 0.3118	0.2741	0.2733	Ave		0.3026				10.2		35.0			
2,2-Dichloropropane	0.1001 0.0726	0.0669 0.0731	0.0629 0.0660	0.0682	0.0618	Ave		0.0714				17.2		35.0			
Chlorobromomethane	0.1764 0.1347	0.1287 0.1427	0.1200 0.1401	0.1158	0.1181	Ave		0.1346				14.6		35.0			
Tetrahydrofuran	0.0727 +++++	0.0736 +++++	0.0654 +++++	0.0759	0.0785	Ave		0.0732				6.7		35.0			
Chloroform	0.5768 0.5153	0.5030 0.5303	0.4455 0.5023	0.4524	0.4539	Ave		0.4974				9.1		35.0			
1,1,1-Trichloroethane	0.4650 0.4668	0.4187 0.4683	0.3893 0.3988	0.4034	0.3823	Ave		0.4241				8.7		35.0			
Cyclohexane	0.4199 +++++	0.5358 +++++	0.5276 +++++	0.5808	0.5471	Ave		0.5222				11.6		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.3117 0.4345	0.3710 0.4294	0.3487 0.3635	0.3782	0.3542	Ave		0.3739				11.0		35.0			
Carbon tetrachloride	0.3614 0.3800	0.3345 0.3787	0.3085 0.3224	0.3260	0.3182	Ave		0.3412				8.3		35.0			
Isobutyl alcohol	0.0063 0.0106	0.0083 0.0104	0.0082 0.0112	0.0085	0.0090	Ave		0.0091				17.6		35.0			
Benzene	1.1063 1.2600	1.1496 1.2909	1.0712 1.1937	1.1134	1.0864	Ave		1.1589				7.0		35.0			
1,2-Dichloroethane	0.4490 0.4537	0.4117 0.4792	0.3798 0.4731	0.3883	0.4013	Ave		0.4295				9.1		35.0			
n-Heptane	0.2411 +++++	0.3131 +++++	0.3121 +++++	0.3445	0.3289	Ave		0.3080				12.9		35.0			
Trichloroethene	0.2971 0.3062	0.2615 0.3101	0.2449 0.2765	0.2587	0.2566	Ave		0.2764				9.0		35.0			
Methylcyclohexane	0.3403 +++++	0.3879 +++++	0.4085 +++++	0.4530	0.4301	Lin1	-0.613	0.4387							0.9980		0.9900
1,2-Dichloropropane	0.3159 0.3286	0.2928 0.3402	0.2805 0.3288	0.2912	0.2853	Ave		0.3079				7.5		35.0			
1,4-Dioxane	0.0016 +++++	0.0026 +++++	0.0022 +++++	0.0027	0.0026	Ave		0.0023				19.3		35.0			
Dibromomethane	0.1632 0.1545	0.1404 0.1616	0.1227 0.1663	0.1306	0.1370	Ave		0.1471				11.2		35.0			
Dichlorobromomethane	0.3080 0.3463	0.2998 0.3723	0.2806 0.3679	0.2937	0.3044	Ave		0.3216				11.0		35.0			
cis-1,3-Dichloropropene	0.2809 +++++	0.3127 +++++	0.3032 +++++	0.3349	0.3472	Ave		0.3158				8.3		35.0			
4-Methyl-2-pentanone (MIBK)	0.3018 1.3928	0.9902 1.4403	1.0057 1.4520	1.1740	1.2797	Lin2	-28.33	1.4448							0.9940		0.9900
Toluene	4.5220 6.3200	5.4042 6.2658	5.2341 5.6386	5.9614	5.5302	Ave		5.6096				10.5		35.0			
Ethyl methacrylate	0.6549 1.5276	0.8992 1.5985	0.9595 +++++	1.1413	1.1962	Qua1	-0.957	0.8236	0.0039578						1.0000		0.9900
trans-1,3-Dichloropropene	1.2680 1.8018	1.3461 +++++	1.3499 +++++	1.5540	1.5855	Ave		1.4842				13.5		35.0			
1,1,2-Trichloroethane	1.1542 1.1099	1.0740 1.1416	0.9817 1.1462	1.0507	1.0240	Ave		1.0853				5.8		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

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								
Tetrachloroethene	1.0582 1.1719	1.1097 1.1103	1.0269 0.9497	1.1186	1.0020	Ave		1.0684				6.8		35.0			
2-Hexanone	0.1974 0.9151	0.6330 0.9481	0.6560 0.9555	0.7828	0.8619	Lin2	-18.94	0.9544							0.9950		0.9900
1,3-Dichloropropane	1.7398 2.1614	1.9078 2.2078	1.7978 2.2006	1.9639	1.9890	Ave		1.9960				9.0		35.0			
Chlorodibromomethane	0.9690 0.9937	0.8335 1.0408	0.7824 1.0536	0.8498	0.8645	Ave		0.9234				11.2		35.0			
Ethylene Dibromide	1.0821 1.0371	0.8999 1.0848	0.8335 1.1005	0.9440	0.9236	Ave		0.9882				10.2		35.0			
Chlorobenzene	3.0768 3.6083	3.3199 3.6779	3.0822 3.4786	3.3594	3.2699	Ave		3.3591			0.3000	6.6		35.0			
Ethylbenzene	1.2623 +++++	1.6548 +++++	1.7182 +++++	1.9678	1.9069	Lin1	-4.006	1.9290							0.9970		0.9900
1,1,1,2-Tetrachloroethane	1.1042 1.1591	1.0406 1.1885	0.9882 1.1380	1.0490	1.0390	Ave		1.0883				6.4		35.0			
m-Xylene & p-Xylene	1.5196 2.6428	2.0686 2.6816	2.1012 2.4285	2.4267	2.3118	Lin1	-7.408	2.5486							0.9950		0.9900
o-Xylene	1.3440 +++++	1.8513 +++++	1.8937 +++++	2.2106	2.1869	Ave		1.8973				18.5		35.0			
Styrene	1.7359 3.8471	2.6274 3.9924	2.9210 3.8042	3.3776	3.3382	Lin1	-16.52	3.8210							0.9940		0.9900
Bromoform	0.4490 0.4836	0.3947 +++++	0.3659 +++++	0.4167	0.4291	Ave		0.4232			0.1000	9.7		35.0			
Isopropylbenzene	3.1624 6.7009	4.8909 6.7433	5.0915 5.9526	5.9782	5.6968	Lin2	-15.52	6.1052							0.9910		0.9900
1,1,2,2-Tetrachloroethane	1.1179 1.2429	1.1301 1.2774	1.0361 1.2783	1.1474	1.1232	Ave		1.1692			0.3000	7.5		35.0			
trans-1,4-Dichloro-2-butene	0.1858 +++++	0.1964 +++++	0.1866 +++++	0.2199	0.2231	Lin1	-0.251	0.2165							0.9940		0.9900
1,2,3-Trichloropropane	0.3607 0.3535	0.3130 0.3477	0.2707 0.3516	0.2883	0.2909	Ave		0.3221				11.0		35.0			
Bromobenzene	0.8263 0.9866	0.8833 1.0224	0.8022 0.9798	0.8845	0.8387	Ave		0.9030				9.2		35.0			
N-Propylbenzene	0.5274 +++++	0.9275 +++++	0.9722 +++++	1.0946	1.0057	Lin2	-2.665	1.0565							0.9980		0.9900

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.7214 1.0081	0.8449 1.0161	0.8244 0.9179	0.8819	0.8384	Ave		0.8817				11.1		35.0			
1,3,5-Trimethylbenzene	1.7493 3.7095	2.7697 3.7534	2.8670 3.3608	3.2587	3.0426	Lin2	-8.574	3.3833							0.9920		0.9900
4-Chlorotoluene	0.6981 1.0377	0.8911 1.0498	0.8467 0.9556	0.8993	0.8523	Ave		0.9038				12.6		35.0			
tert-Butylbenzene	1.6104 +++++	2.4442 +++++	2.5351 +++++	2.8561	2.7116	Lin2	-5.841	2.7625							0.9980		0.9900
1,2,4-Trimethylbenzene	1.6725 3.6374	2.5933 3.7290	2.8505 3.3998	3.1256	3.0266	Lin2	-8.808	3.3325							0.9900		0.9900
sec-Butylbenzene	2.0207 +++++	2.9908 +++++	3.2007 +++++	3.5807	3.3735	Lin2	-7.252	3.4442							0.9980		0.9900
4-Isopropyltoluene	1.5384 3.3810	2.2364 3.3673	2.4988 2.9686	2.8007	2.6553	Lin1	-12.60	3.1502							0.9900		0.9900
1,3-Dichlorobenzene	1.6367 1.7664	1.6166 1.8002	1.5231 1.6797	1.6249	1.4947	Ave		1.6428				6.5		35.0			
1,4-Dichlorobenzene	1.7449 1.7842	1.6666 1.8305	1.4985 1.7260	1.5973	1.4907	Ave		1.6673				7.7		35.0			
n-Butylbenzene	1.2723 +++++	1.7320 +++++	1.8072 +++++	2.1267	2.0241	Lin1	-4.747	2.0615							0.9960		0.9900
1,2-Dichlorobenzene	1.2492 1.5876	1.4055 1.6233	1.3446 1.5560	1.4026	1.3390	Ave		1.4385				9.4		35.0			
1,2-Dibromo-3-Chloropropane	0.0855 0.1012	0.0877 0.1101	0.0712 +++++	0.0868	0.0921	Ave		0.0906				13.7		35.0			
1,2,4-Trichlorobenzene	0.3838 0.4184	0.2596 0.4910	0.2955 +++++	0.3458	0.3699	Ave		0.3663				21.0		35.0			
Hexachlorobutadiene	0.2946 +++++	0.2060 +++++	0.1693 +++++	0.2015	0.2057	Lin2	0.5433	0.1846							0.9900		0.9900
Naphthalene	0.3087 0.8664	0.4442 1.1672	0.4865 +++++	0.6296	0.7402	Qua1	-0.002	0.3182	0.0038344						0.9900		0.9900
1,2,3-Trichlorobenzene	0.1487 +++++	0.1760 +++++	0.1782 +++++	0.2142	0.2411	Ave		0.1916				18.9		35.0			
Dibromofluoromethane (Surr)	+++++ 0.2150	0.2002 0.2142	0.1963 0.2246	0.2133	0.2188	Ave		0.2118				4.7		35.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3235	0.3134 0.3476	0.3117 0.3351	0.3391	0.3349	Ave		0.3293				4.1		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

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								
Toluene-d8 (Surr)	+++++ 4.5918	4.0205 +++++	4.2011 +++++	4.9063	4.6867	Ave		4.4813				8.1		35.0			
4-Bromofluorobenzene (Surr)	+++++ 1.5412	1.3171 1.5155	1.3470 1.5649	1.5401	1.5866	Ave		1.4875				7.3		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	15100 745184	114668 872601	211611 883329	320843	380353	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	18021 842498	129580 1036786	248965 1134366	370456	455985	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	14342 741670	102139 888095	209380 921287	322115	378968	5.00 175	25.0 200	50.0 250	75.0	100
Butadiene	FB	Lin2	22306 839154	130544 1007668	248954 +++++	362414	449318	5.00 175	25.0 200	50.0 +++++	75.0	100
Bromomethane	FB	Ave	9885 385310	65937 470832	124315 525833	176620	211505	5.00 175	25.0 200	50.0 250	75.0	100
Chloroethane	FB	Ave	11007 473377	72826 578080	146861 619755	209637	247684	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorofluoromethane	FB	Ave	24299 1128742	169984 1329027	321208 1518170	505716	599410	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	20380 1009276	148883 1192370	282317 1223795	440636	516831	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl ether	FB	Ave	9870 513339	70198 664453	140605 858517	207230	273468	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethene	FB	Ave	9528 476297	66191 579907	137717 598741	206606	242319	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	12537 535828	79091 638062	160060 655389	236412	278619	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Ave	15200 460912	65322 571930	131973 +++++	200998	269581	25.0 350	50.0 400	100 +++++	150	200
Iodomethane	FB	Ave	13221	101289	198968	293049	360930	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			679025	850385	1001720			175	200	250		
Carbon disulfide	FB	Ave	29575 1435357	202428 1752803	399135 1850851	617437	738892	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Ave	17788 946033	128474 1200806	249701 1552385	373766	497821	10.0 350	50.0 400	100 500	150	200
3-Chloro-1-propene	FB	Ave	5735 311579	39071 388186	77619 431280	125459	155658	5.00 175	25.0 200	50.0 250	75.0	100
Methylene Chloride	FB	Lin1	24279 565880	103446 733511	181307 880652	261013	331688	5.00 175	25.0 200	50.0 250	75.0	100
2-Methyl-2-propanol	TBAd9	Ave	7780 475429	58270 647659	118829 840352	191081	251818	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	46376 2593990	327197 3285828	654687 4319686	986461	1366935	50.0 1750	250 2000	500 2500	750	1000
Methyl tert-butyl ether	FB	Ave	22607 +++++	182603 +++++	385370 +++++	587228	790136	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
trans-1,2-Dichloroethene	FB	Ave	13973 581182	81719 722420	167597 +++++	254097	308160	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexane	FB	Ave	15606 994929	126043 1195781	270509 1217455	418312	500285	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	23812 1120797	163631 1402144	321385 1621674	481915	588048	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Ave	13993 618125	82848 751617	170571 963829	263964	345063	25.0 350	50.0 400	100 500	150	200
cis-1,2-Dichloroethene	FB	Ave	14197 621793	87746 781917	178932 932012	260676	329821	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	3995 141690	20339 174589	41473 197160	64829	74624	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	7039 262957	39132 340592	79182 418685	110149	142503	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Ave	5800 +++++	44726 +++++	86225 +++++	144297	189452	10.0 +++++	50.0 +++++	100 +++++	150	200
Chloroform	FB	Ave	23020 1006069	152940 1265843	293828 1501363	430197	547876	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	18558 911477	127299 1117814	256757 1192137	383543	461491	5.00 175	25.0 200	50.0 250	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Cyclohexane	FB	Ave	16756 +++++	162905 +++++	348015 +++++	552246	660324	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,1-Dichloropropene	FB	Ave	12438 848242	112793 1024928	229994 1086528	359640	427465	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	14422 741993	101701 904067	203487 963658	309994	384021	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	6302 516882	62896 619287	135216 836215	203253	272246	125 4375	625 5000	1250 6250	1875	2500
Benzene	FB	Ave	44151 2460058	349539 3081445	706559 3568216	1058727	1311296	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane	FB	Ave	17919 885871	125186 1143818	250519 1414230	369204	484339	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	9622 +++++	95199 +++++	205898 +++++	327628	396995	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Trichloroethene	FB	Ave	11858 597793	79520 740156	161565 826397	245968	309674	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Lin1	13582 +++++	117937 +++++	269442 +++++	430749	519081	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichloropropane	FB	Ave	12607 641556	89018 812076	185021 982978	276915	344371	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Ave	1282 +++++	15731 +++++	28629 +++++	50467	63524	100 +++++	500 +++++	1000 +++++	1500	2000
Dibromomethane	FB	Ave	6515 301698	42697 385788	80957 497257	124213	165406	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorobromomethane	FB	Ave	12293 676108	91154 888638	185098 1099771	279238	367432	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	11209 +++++	95065 +++++	199982 +++++	318495	419042	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Lin2	11808 1169372	121912 1523082	275582 1964437	437185	632990	25.0 350	50.0 400	100 500	150	200
Toluene	CBNZ d5	Ave	35382 2653112	332676 3312951	717146 3814402	1110024	1367785	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl methacrylate	CBNZ d5	Qua1	5124	55352	131471	212514	295851	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			641291	845208	+++++			175	200	+++++		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9921	82864	184951	289357	392133	5.00	25.0	50.0	75.0	100
			756371	+++++	+++++			175	+++++	+++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	9031	66115	134502	195646	253265	5.00	25.0	50.0	75.0	100
			465914	603597	775365			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	8280	68314	140697	208287	247815	5.00	25.0	50.0	75.0	100
			491949	587064	642453			175	200	250		
2-Hexanone	CBNZ d5	Lin2	7721	77932	179769	291515	426355	25.0	50.0	100	150	200
			768293	1002573	1292763			350	400	500		
1,3-Dichloropropane	CBNZ d5	Ave	13613	117445	246320	365690	491938	5.00	25.0	50.0	75.0	100
			907330	1167354	1488680			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	7582	51311	107194	158226	213808	5.00	25.0	50.0	75.0	100
			417139	550292	712707			175	200	250		
Ethylene Dibromide	CBNZ d5	Ave	8467	55399	114200	175768	228424	5.00	25.0	50.0	75.0	100
			435350	573575	744456			175	200	250		
Chlorobenzene	CBNZ d5	Ave	24074	204372	422306	625528	808748	5.00	25.0	50.0	75.0	100
			1514759	1944620	2353188			175	200	250		
Ethylbenzene	CBNZ d5	Lin1	9877	101870	235411	366401	471639	5.00	25.0	50.0	75.0	100
			+++++	+++++	+++++			+++++	+++++	+++++		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	8640	64060	135396	195319	256974	5.00	25.0	50.0	75.0	100
			486580	628411	769833			175	200	250		
m-Xylene & p-Xylene	CBNZ d5	Lin1	11890	127340	287895	451860	571765	5.00	25.0	50.0	75.0	100
			1109435	1417879	1642810			175	200	250		
o-Xylene	CBNZ d5	Ave	10516	113965	259461	411614	540887	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Styrene	CBNZ d5	Lin1	13582 1614997	161739 2110939	400221 2573458	628910	825621	5.00 175	25.0 200	50.0 250	75.0	100
Bromoform	CBNZ d5	Ave	3513 203002	24298 +++++	50138 +++++	77584	106125	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Isopropylbenzene	CBNZ d5	Lin2	24744 2813005	301078 3565423	697612 4026784	1113157	1408969	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	8747 521753	69569 675427	141959 864759	213640	277793	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	1691 +++++	16173 +++++	35641 +++++	58585	79996	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichloropropane	DCBd 4	Ave	3283 199230	25775 247013	51720 321244	76804	104336	5.00 175	25.0 200	50.0 250	75.0	100
Bromobenzene	DCBd 4	Ave	7521 556036	72739 726350	153267 895171	235613	300790	5.00 175	25.0 200	50.0 250	75.0	100
N-Propylbenzene	DCBd 4	Lin2	4800 +++++	76375 +++++	185732 +++++	291584	360684	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
2-Chlorotoluene	DCBd 4	Ave	6566 568129	69577 721911	157509 838635	234928	300694	5.00 175	25.0 200	50.0 250	75.0	100
1,3,5-Trimethylbenzene	DCBd 4	Lin2	15922 2090582	228077 2666591	547749 3070571	868101	1091183	5.00 175	25.0 200	50.0 250	75.0	100
4-Chlorotoluene	DCBd 4	Ave	6354 584830	73375 745803	161761 873110	239558	305646	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butylbenzene	DCBd 4	Lin2	14657	201268	484325	760834	972480	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
1,2,4-Trimethylbenzene	DCBd 4	Lin2	15223 2049989	213549 2649257	544585 3106150	832643	1085440	5.00 175	25.0 200	50.0 250	75.0	100
sec-Butylbenzene	DCBd 4	Lin2	18392 +++++	246277 +++++	611500 +++++	953872	1209838	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Isopropyltoluene	DCBd 4	Lin1	14002 1905453	184162 2392283	477404 2712218	746098	952271	5.00 175	25.0 200	50.0 250	75.0	100
1,3-Dichlorobenzene	DCBd 4	Ave	14897 995523	133121 1278992	290984 1534633	432864	536034	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dichlorobenzene	DCBd 4	Ave	15882 1005518	137239 1300467	286286 1576970	425521	534620	5.00 175	25.0 200	50.0 250	75.0	100
n-Butylbenzene	DCBd 4	Lin1	11580 +++++	142620 +++++	345263 +++++	566543	725923	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichlorobenzene	DCBd 4	Ave	11370 894741	115741 1153305	256894 1421657	373634	480221	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	778 57027	7222 78220	13602 +++++	23117	33014	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,4-Trichlorobenzene	DCBd 4	Ave	3493 235785	21377 348851	56447 +++++	92114	132642	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexachlorobutadiene	DCBd 4	Lin2	2681 +++++	16964 +++++	32342 +++++	53676	73784	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Naphthalene	DCBd 4	Qua1	2810 488279	36580 829265	92946 +++++	167731	265474	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,3-Trichlorobenzene	DCBd 4	Ave	1353	14493	34052	57048	86456	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Dibromofluoromethane (Surr)	FB	Ave	+++++ 419791	60872 511421	129483 671299	202846	264067	+++++ 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 631604	95285 829657	205588 1001784	322447	404191	+++++ 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 1927595	247496 +++++	575603 +++++	913565	1159160	+++++ 175	25.0 +++++	50.0 +++++	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 647000	81079 801286	184556 1058585	286771	392420	+++++ 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335966/25	6110525.D
Level 2	IC 180-335966/9	6110509.D
Level 3	ICIS 180-335966/10	6110510.D
Level 4	IC 180-335966/11	6110511.D
Level 5	IC 180-335966/12	6110512.D
Level 6	IC 180-335966/13	6110513.D
Level 7	IC 180-335966/14	6110514.D
Level 8	IC 180-335966/15	6110515.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	9.2 5.5	8.9 -14.7	-7.4	-2.6	-9.0	10.2	50 30	30 30	30	30	30	30
Chloromethane	10.5 6.3	4.3 -7.1	-7.6	-4.6	-7.5	5.6	50 30	30 30	30	30	30	30
Vinyl chloride	5.5 9.2	-1.4 -9.5	-6.8	-0.6	-7.8	11.5	50 30	30 30	30	30	30	30
Butadiene	0.6 7.4	1.7 +++++	-7.3	-5.0	-6.5	9.2	50 30	30	30	30	30	30
Bromomethane	25.1 -0.4	9.5 -11.2	-4.8	-6.2	-11.5	-0.4	50 30	30 30	30	30	30	30
Chloroethane	18.9 4.4	3.3 -10.6	-4.0	-5.0	-11.5	4.5	50 30	30 30	30	30	30	30
Dichlorofluoromethane	12.6 3.0	3.4 -6.1	-9.9	-1.7	-8.2	6.9	50 30	30 30	30	30	30	30
Trichlorofluoromethane	9.1 6.7	4.6 -12.6	-8.6	-1.0	-8.5	10.4	50 30	30 30	30	30	30	30
Ethyl ether	0.7 13.4	-6.0 17.0	-13.2	-11.2	-7.7	7.1	50 30	30 30	30	30	30	30
1,1-Dichloroethene	7.9 9.8	-1.6 -9.5	-5.7	-1.8	-9.3	10.2	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	22.2 3.9	1.1 -14.7	-5.6	-3.3	-10.2	6.7	50 30	30 30	30	30	30	30
Acetone	-27.8 13.5	1.8 +++++	-5.2	0.1	5.8	11.8	50 30	30	30	30	30	30
Iodomethane	1.4 9.1	2.0 2.6	-7.6	-5.6	-8.4	6.5	50 30	30 30	30	30	30	30
Carbon disulfide	10.6 9.6	-0.7 -7.6	-9.7	-3.1	-8.7	9.7	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	0.2 13.1	-5.0 16.7	-14.9	-11.7	-7.3	8.9	50 30	30 30	30	30	30	30
3-Chloro-1-propene	2.9 16.4	-8.0 3.3	-15.7	-5.5	-7.7	14.3	50 30	30 30	30	30	30	30
Methylene Chloride	18.7 6.5	1.2 2.5	-12.3	-9.2	-7.4	0.0	50 30	30 30	30	30	30	30
2-Methyl-2-propanol	-13.3 9.5	-4.2 20.6	-6.3	0.5	-4.8	-2.0	50 30	30 30	30	30	30	30
Acrylonitrile	-2.7 15.3	-9.9 21.0	-16.9	-13.1	-5.1	11.3	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	-6.3 +++++	-0.7 +++++	-3.4	2.1	8.3	+++++	50	30	30	30	30	
trans-1,2-Dichloroethene	22.8 6.1	-5.7 +++++	-10.9	-6.3	-10.5	4.4	50 30	30	30	30	30	30
Hexane	-10.3 14.9	-4.9 -6.6	-5.9	0.9	-4.9	16.9	50 30	30 30	30	30	30	30
1,1-Dichloroethane	10.5 8.8	-0.3 0.5	-9.8	-6.1	-9.8	6.3	50 30	30 30	30	30	30	30
2-Butanone (MEK)	-48.7 15.1	-0.4 17.9	-5.5	1.5	4.5	15.7	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	17.6 8.2	-4.6 3.0	-10.4	-9.4	-9.7	5.2	50 30	30 30	30	30	30	30
2,2-Dichloropropane	40.1 2.4	-6.4 -7.7	-12.0	-4.6	-13.5	1.6	50 30	30 30	30	30	30	30
Chlorobromomethane	31.1 6.0	-4.3 4.1	-10.8	-13.9	-12.3	0.1	50 30	30 30	30	30	30	30
Tetrahydrofuran	-0.7 +++++	0.5 +++++	-10.7	3.7	7.2	+++++	50	30	30	30	30	
Chloroform	16.0 6.6	1.1 1.0	-10.4	-9.0	-8.7	3.6	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	9.7 10.4	-1.3 -6.0	-8.2	-4.9	-9.8	10.1	50 30	30 30	30	30	30	30
Cyclohexane	-19.6 +++++	2.6 +++++	1.0	11.2	4.8	+++++	50	30	30	30	30	
1,1-Dichloropropene	-16.6 14.8	-0.8 -2.8	-6.7	1.2	-5.3	16.2	50 30	30 30	30	30	30	30
Carbon tetrachloride	5.9 11.0	-2.0 -5.5	-9.6	-4.5	-6.8	11.4	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-30.3 14.5	-8.7 23.4	-9.5	-5.7	-0.5	16.8	50 30	30 30	30	30	30	30
Benzene	-4.5 11.4	-0.8 3.0	-7.6	-3.9	-6.3	8.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane	4.5 11.6	-4.1 10.2	-11.6	-9.6	-6.6	5.6	50 30	30 30	30	30	30	30
n-Heptane	-21.7 +++++	1.7 +++++	1.4	11.9	6.8	+++++	50	30	30	30	30	
Trichloroethene	7.5 12.2	-5.4 0.0	-11.4	-6.4	-7.2	10.8	50 30	30 30	30	30	30	30
Methylcyclohexane	5.5 +++++	-6.0 +++++	-4.1	5.1	-0.6	+++++	50	30	30	30	30	
1,2-Dichloropropane	2.6 10.5	-4.9 6.8	-8.9	-5.4	-7.3	6.7	50 30	30 30	30	30	30	30
1,4-Dioxane	-31.1 +++++	11.0 +++++	-6.8	13.9	13.0	+++++	50	30	30	30	30	
Dibromomethane	11.0 9.9	-4.5 13.1	-16.5	-11.2	-6.8	5.1	50 30	30 30	30	30	30	30
Dichlorobromomethane	-4.2 15.7	-6.8 14.4	-12.8	-8.7	-5.3	7.7	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-11.1 +++++	-1.0 +++++	-4.0	6.1	9.9	+++++	50	30	30	30	30	
4-Methyl-2-pentanone (MIBK)	-0.7 4.6	7.8 4.4	-10.8	-5.7	-1.6	2.0	50 30	30 30	30	30	30	30
Toluene	-19.4 11.7	-3.7 0.5	-6.7	6.3	-1.4	12.7	50 30	30 30	30	30	30	30
Ethyl methacrylate	0.3 -0.5	1.5 +++++	-3.5	2.4	-0.8	0.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-14.6 +++++	-9.3 +++++	-9.1	4.7	6.8	21.4	50	30	30	30	30	30
1,1,2-Trichloroethane	6.4 5.2	-1.0 5.6	-9.5	-3.2	-5.6	2.3	50 30	30 30	30	30	30	30
Tetrachloroethene	-1.0 3.9	3.9 -11.1	-3.9	4.7	-6.2	9.7	50 30	30 30	30	30	30	30
2-Hexanone	0.0 4.3	6.0 4.1	-11.4	-4.8	0.2	1.5	50 30	30 30	30	30	30	30
1,3-Dichloropropane	-12.8 10.6	-4.4 10.3	-9.9	-1.6	-0.4	8.3	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodibromomethane	4.9 12.7	-9.7 14.1	-15.3	-8.0	-6.4	7.6	50 30	30 30	30	30	30	30
Ethylene Dibromide	9.5 9.8	-8.9 11.4	-15.7	-4.5	-6.5	4.9	50 30	30 30	30	30	30	30
Chlorobenzene	-8.4 9.5	-1.2 3.6	-8.2	0.0	-2.7	7.4	50 30	30 30	30	30	30	30
Ethylbenzene	7.0 +++++	-5.9 +++++	-6.8	4.8	0.9	+++++	50	30	30	30	30	
1,1,1,2-Tetrachloroethane	1.5 9.2	-4.4 4.6	-9.2	-3.6	-4.5	6.5	50 30	30 30	30	30	30	30
m-Xylene & p-Xylene	17.8 6.7	-7.2 -3.5	-11.7	-0.9	-6.4	5.4	50 30	30 30	30	30	30	30
o-Xylene	-29.2 +++++	-2.4 +++++	-0.2	16.5	15.3	+++++	50	30	30	30	30	
Styrene	31.9 6.6	-13.9 1.3	-14.9	-5.8	-8.3	3.2	50 30	30 30	30	30	30	30
Bromoform	6.1 +++++	-6.7 +++++	-13.5	-1.5	1.4	14.3	50	30	30	30	30	30
Isopropylbenzene	2.6 11.7	-9.7 -1.5	-11.5	1.3	-4.1	11.2	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.4 9.3	-3.3 9.3	-11.4	-1.9	-3.9	6.3	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	8.9 +++++	-4.7 +++++	-11.5	3.1	4.2	+++++	50	30	30	30	30	
1,2,3-Trichloropropane	12.0 8.0	-2.8 9.2	-15.9	-10.5	-9.7	9.8	50 30	30 30	30	30	30	30
Bromobenzene	-8.5 13.2	-2.2 8.5	-11.2	-2.1	-7.1	9.3	50 30	30 30	30	30	30	30
N-Propylbenzene	0.4 +++++	-2.1 +++++	-2.9	7.0	-2.3	+++++	50	30	30	30	30	
2-Chlorotoluene	-18.2 15.3	-4.2 4.1	-6.5	0.0	-4.9	14.3	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	2.4 12.2	-8.0 0.3	-10.2	-0.3	-7.5	11.1	50 30	30 30	30	30	30	30
4-Chlorotoluene	-22.8 16.1	-1.4 5.7	-6.3	-0.5	-5.7	14.8	50 30	30 30	30	30	30	30
tert-Butylbenzene	0.6 +++++	-3.1 +++++	-4.0	6.2	0.3	+++++	50	30	30	30	30	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335966

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44595

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	3.0 13.2	-11.6 3.1	-9.2	-2.7	-6.5	10.7	50 30	30 30	30	30	30	30
sec-Butylbenzene	0.8 +++++	-4.7 +++++	-2.9	6.8	0.1	+++++	50	30	30	30	30	
4-Isopropyltoluene	28.8 8.9	-13.0 -4.2	-12.7	-5.8	-11.7	9.6	50 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-0.4 9.6	-1.6 2.2	-7.3	-1.1	-9.0	7.5	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	4.7 9.8	0.0 3.5	-10.1	-4.2	-10.6	7.0	50 30	30 30	30	30	30	30
n-Butylbenzene	7.8 +++++	-6.8 +++++	-7.7	6.2	0.5	+++++	50	30	30	30	30	
1,2-Dichlorobenzene	-13.2 12.8	-2.3 8.2	-6.5	-2.5	-6.9	10.4	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-5.7 21.5	-3.2 +++++	-21.5	-4.3	1.6	11.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	4.8 34.1 *	-29.1 +++++	-19.3	-5.6	1.0	14.2	50 30	30	30	30	30	30
Hexachlorobutadiene	0.7 +++++	-0.2 +++++	-14.2	5.2	8.5	+++++	50	30	30	30	30	
Naphthalene	-8.0 4.4	5.9 +++++	-3.4	2.6	3.5	-7.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-22.4 +++++	-8.2 +++++	-7.0	11.8	25.8	+++++	50	30	30	30	30	
Dibromofluoromethane (Surr)	+++++ 1.2	-5.5 6.0	-7.3	0.7	3.3	1.5	 30	50 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	+++++ 5.5	-4.8 1.8	-5.4	3.0	1.7	-1.8	 30	50 30	30	30	30	30
Toluene-d8 (Surr)	+++++ +++++	-10.3 +++++	-6.3	9.5	4.6	2.5		50	30	30	30	30
4-Bromofluorobenzene (Surr)	+++++ 1.9	-11.5 5.2	-9.4	3.5	6.7	3.6	 30	50 30	30	30	30	30

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2020 10:26:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-009
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:30:50 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	90	208021	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	98	608098	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	90	123118	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	97	164692	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	92	60872	25.0	23.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	97	95285	25.0	23.8	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	95	247496	25.0	22.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	81079	25.0	22.1	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	98	114668	25.0	27.2	
12 Chloromethane	50	3.857	3.857	0.000	99	129580	25.0	26.1	
13 Vinyl chloride	62	4.137	4.137	0.000	97	102139	25.0	24.7	
14 Butadiene	39	4.210	4.198	0.012	96	130544	25.0	25.4	
15 Bromomethane	94	4.848	4.837	0.011	88	65937	25.0	27.4	
16 Chloroethane	64	5.104	5.105	-0.001	99	72826	25.0	25.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	169984	25.0	25.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	99	148883	25.0	26.1	
20 Ethyl ether	59	6.120	6.120	0.000	95	70198	25.0	23.5	
22 1,1-Dichloroethene	96	6.509	6.504	0.005	93	66191	25.0	24.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.564	6.558	0.006	92	79091	25.0	25.3	
24 Acetone	43	6.594	6.595	-0.001	98	65322	50.0	50.9	
25 Iodomethane	142	6.753	6.741	0.012	99	101289	25.0	25.5	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	202428	25.0	24.8	
30 Methyl acetate	43	7.075	7.069	0.006	97	128474	50.0	47.5	
29 3-Chloro-1-propene	76	7.099	7.082	0.017	92	39071	25.0	23.0	
31 Methylene Chloride	84	7.282	7.276	0.006	88	103446	25.0	25.3	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	93	58270	250.0	239.5	
33 Acrylonitrile	53	7.616	7.617	-0.001	100	327197	250.0	225.3	
35 Methyl tert-butyl ether	73	7.647	7.641	0.006	96	182603	25.0	24.8	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	95	81719	25.0	23.6	
36 Hexane	57	8.012	8.012	0.000	94	126043	25.0	23.8	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	97	163631	25.0	24.9	
44 2-Butanone (MEK)	43	8.894	8.882	0.012	100	82848	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	87	87746	25.0	23.8	
42 2,2-Dichloropropane	97	8.930	8.925	0.005	74	20339	25.0	23.4	
48 Chlorobromomethane	128	9.192	9.180	0.012	94	39132	25.0	23.9	
49 Tetrahydrofuran	42	9.210	9.211	-0.001	44	44726	50.0	50.2	
50 Chloroform	83	9.277	9.284	-0.007	95	152940	25.0	25.3	
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	96	127299	25.0	24.7	
52 Cyclohexane	56	9.569	9.570	-0.001	94	162905	25.0	25.6	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	112793	25.0	24.8	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	92	101701	25.0	24.5	
55 Isobutyl alcohol	41	9.703	9.698	0.005	87	62896	625.0	570.5	
56 Benzene	78	9.879	9.880	-0.001	99	349539	25.0	24.8	
57 1,2-Dichloroethane	62	9.910	9.917	-0.007	96	125186	25.0	24.0	
59 n-Heptane	43	10.123	10.117	0.006	92	95199	25.0	25.4	
61 Trichloroethene	130	10.543	10.543	0.000	96	79520	25.0	23.7	
63 Methylcyclohexane	83	10.798	10.793	0.005	88	117937	25.0	23.5	
64 1,2-Dichloropropane	63	10.810	10.811	-0.001	74	89018	25.0	23.8	
65 1,4-Dioxane	88	10.865	10.859	0.006	88	15731	500.0	555.2	
67 Dibromomethane	93	10.908	10.908	0.000	96	42697	25.0	23.9	
68 Dichlorobromomethane	83	11.066	11.060	0.006	97	91154	25.0	23.3	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	91	95065	25.0	24.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	121912	50.0	53.9	
73 Toluene	91	11.838	11.839	-0.001	98	332676	25.0	24.1	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	71	55352	25.0	25.4	
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	93	82864	25.0	22.7	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	93	66115	25.0	24.7	
77 Tetrachloroethene	164	12.368	12.368	0.000	94	68314	25.0	26.0	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	95	117445	25.0	23.9	
79 2-Hexanone	43	12.416	12.417	-0.001	60	77932	50.0	53.0	
81 Chlorodibromomethane	129	12.654	12.654	0.000	90	51311	25.0	22.6	
82 Ethylene Dibromide	107	12.806	12.800	0.006	99	55399	25.0	22.8	
84 Chlorobenzene	112	13.280	13.275	0.005	94	204372	25.0	24.7	
87 Ethylbenzene	106	13.341	13.342	-0.001	99	101870	25.0	23.5	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	45	64060	25.0	23.9	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	98	127340	25.0	23.2	
89 o-Xylene	106	13.864	13.865	-0.001	96	113965	25.0	24.4	
90 Styrene	104	13.882	13.877	0.005	93	161739	25.0	21.5	
91 Bromoform	173	14.108	14.102	0.006	95	24298	25.0	23.3	
93 Isopropylbenzene	105	14.217	14.218	-0.001	96	301078	25.0	22.6	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	97	69569	25.0	24.2	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	37	16173	25.0	23.8	
98 1,2,3-Trichloropropane	110	14.606	14.595	0.011	57	25775	25.0	24.3	
95 Bromobenzene	156	14.600	14.601	-0.001	91	72739	25.0	24.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	76375	25.0	24.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	69577	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	228077	25.0	23.0	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	98	73375	25.0	24.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	201268	25.0	24.2	
106 1,2,4-Trimethylbenzene	105	15.196	15.203	-0.007	98	213549	25.0	22.1	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	246277	25.0	23.8	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	184162	25.0	21.7	
109 1,3-Dichlorobenzene	146	15.561	15.556	0.005	97	133121	25.0	24.6	
111 1,4-Dichlorobenzene	146	15.665	15.659	0.006	93	137239	25.0	25.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	142620	25.0	23.3	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	95	115741	25.0	24.4	
118 1,2-Dibromo-3-Chloropropane	75	16.790	16.785	0.005	67	7222	25.0	24.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	93	21377	25.0	17.7	
123 Hexachlorobutadiene	225	17.691	17.697	-0.006	94	16964	25.0	25.0	
124 Naphthalene	128	17.879	17.880	-0.001	97	36580	25.0	26.5	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	93	14493	25.0	23.0	
S 130 1,2-Dichloroethene, Total	96				0		50.0	47.4	
S 131 Xylenes, Total	106				0		50.0	47.6	
S 154 Total BTEX	1				0		125.0	120.0	
S 132 1,3-Dichloropropene, Total	1				0		50.0	47.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260VOAPRi_00429	Amount Added:	1.00	Units: uL
VOA8260SURR_00112	Amount Added:	1.00	Units: uL
VOAKETPRI_00005	Amount Added:	1.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

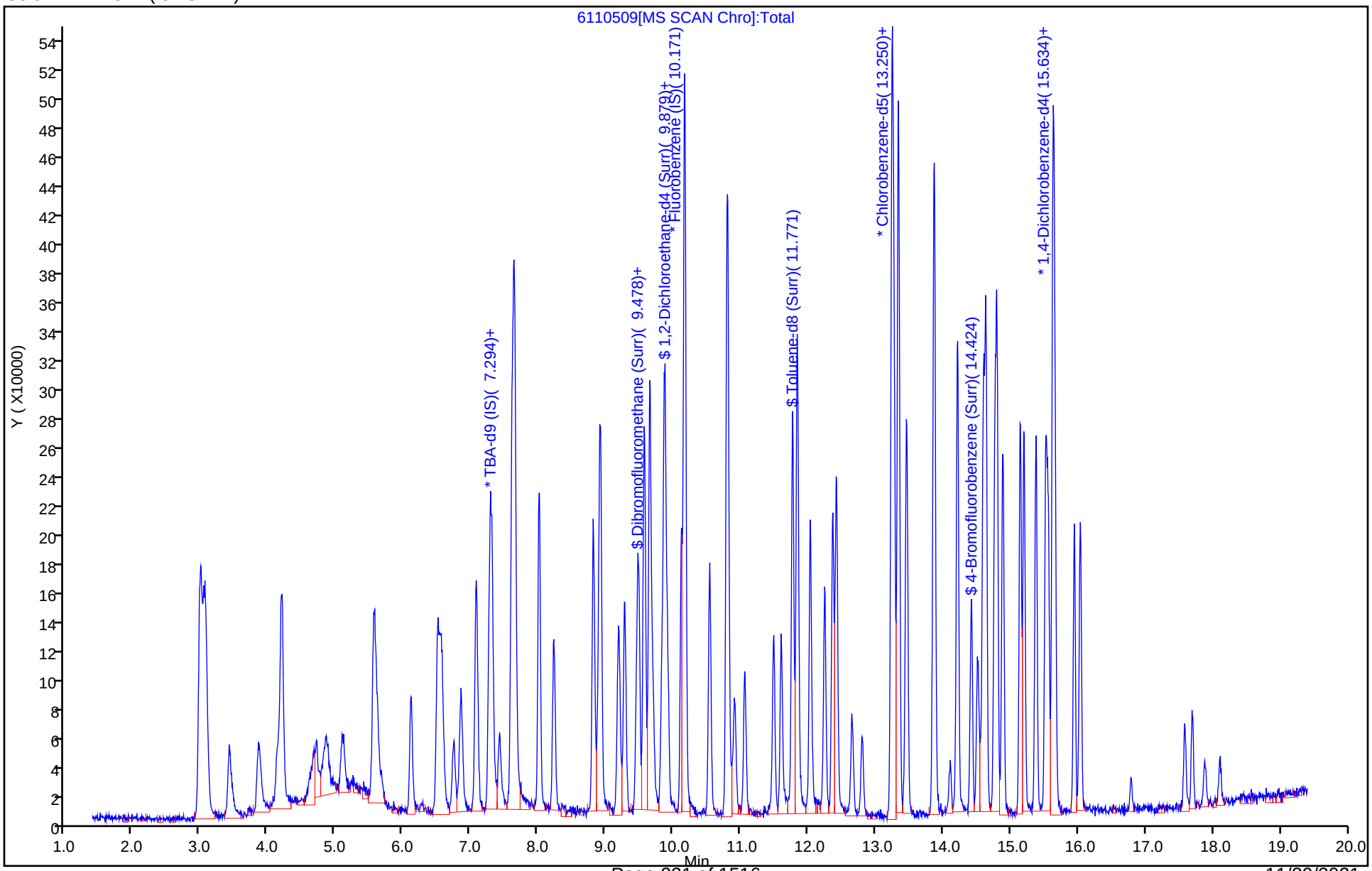
Report Date: 08-Nov-2020 13:30:52 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D

Injection Date:	05-Nov-2020 10:26:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Nov-2020 10:53:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-010
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:30:57 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	91	216733	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	659614	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	137014	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	191051	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	92	129483	50.0	46.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.837	0.000	93	205588	50.0	47.3	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	575603	50.0	46.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	184556	50.0	45.3	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	211611	50.0	46.3	
12 Chloromethane	50	3.857	3.857	0.000	99	248965	50.0	46.2	
13 Vinyl chloride	62	4.137	4.137	0.000	98	209380	50.0	46.6	
14 Butadiene	39	4.192	4.192	0.000	95	248954	50.0	46.3	
15 Bromomethane	94	4.861	4.861	0.000	91	124315	50.0	47.6	
16 Chloroethane	64	5.105	5.105	0.000	99	146861	50.0	48.0	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	97	321208	50.0	45.0	
18 Trichlorofluoromethane	101	5.603	5.603	0.000	98	282317	50.0	45.7	
20 Ethyl ether	59	6.108	6.108	0.000	96	140605	50.0	43.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	95	137717	50.0	47.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.552	0.000	94	160060	50.0	47.2	
24 Acetone	43	6.589	6.589	0.000	99	131973	100.0	94.8	
25 Iodomethane	142	6.741	6.741	0.000	98	198968	50.0	46.2	
26 Carbon disulfide	76	6.857	6.857	0.000	100	399135	50.0	45.1	
30 Methyl acetate	43	7.069	7.069	0.000	99	249701	100.0	85.1	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	77619	50.0	42.1	
31 Methylene Chloride	84	7.282	7.282	0.000	99	181307	50.0	43.9	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	92	118829	500.0	468.7	
33 Acrylonitrile	53	7.611	7.611	0.000	99	654687	500.0	415.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	98	385370	50.0	48.3	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	167597	50.0	44.6	
36 Hexane	57	8.012	8.012	0.000	95	270509	50.0	47.0	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	321385	50.0	45.1	
44 2-Butanone (MEK)	43	8.888	8.888	0.000	100	170571	100.0	94.5	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	86	178932	50.0	44.8	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	41473	50.0	44.0	
48 Chlorobromomethane	128	9.193	9.193	0.000	93	79182	50.0	44.6	
49 Tetrahydrofuran	42	9.205	9.205	0.000	45	86225	100.0	89.3	
50 Chloroform	83	9.284	9.284	0.000	96	293828	50.0	44.8	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	97	256757	50.0	45.9	
52 Cyclohexane	56	9.570	9.570	0.000	93	348015	50.0	50.5	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	229994	50.0	46.6	
53 Carbon tetrachloride	117	9.655	9.655	0.000	91	203487	50.0	45.2	
55 Isobutyl alcohol	41	9.698	9.698	0.000	85	135216	1250.0	1130.7	
56 Benzene	78	9.874	9.874	0.000	98	706559	50.0	46.2	
57 1,2-Dichloroethane	62	9.923	9.923	0.000	97	250519	50.0	44.2	
59 n-Heptane	43	10.117	10.117	0.000	93	205898	50.0	50.7	
61 Trichloroethene	130	10.543	10.543	0.000	97	161565	50.0	44.3	
63 Methylcyclohexane	83	10.799	10.799	0.000	97	269442	50.0	48.0	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	91	185021	50.0	45.5	
65 1,4-Dioxane	88	10.866	10.866	0.000	94	28629	1000.0	931.5	
67 Dibromomethane	93	10.914	10.914	0.000	98	80957	50.0	41.7	
68 Dichlorobromomethane	83	11.066	11.066	0.000	98	185098	50.0	43.6	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	90	199982	50.0	48.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	275582	100.0	89.2	
73 Toluene	91	11.839	11.839	0.000	98	717146	50.0	46.7	
75 Ethyl methacrylate	69	12.027	12.027	0.000	75	131471	50.0	48.2	
74 trans-1,3-Dichloropropene	75	12.034	12.034	0.000	93	184951	50.0	45.5	
76 1,1,2-Trichloroethane	97	12.246	12.246	0.000	96	134502	50.0	45.2	
77 Tetrachloroethene	164	12.368	12.368	0.000	93	140697	50.0	48.1	
78 1,3-Dichloropropane	76	12.423	12.423	0.000	96	246320	50.0	45.0	
79 2-Hexanone	43	12.417	12.417	0.000	65	179769	100.0	88.6	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	107194	50.0	42.4	
82 Ethylene Dibromide	107	12.806	12.806	0.000	98	114200	50.0	42.2	
84 Chlorobenzene	112	13.275	13.275	0.000	94	422306	50.0	45.9	
87 Ethylbenzene	106	13.335	13.335	0.000	98	235411	50.0	46.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	89	135396	50.0	45.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	287895	50.0	44.1	
89 o-Xylene	106	13.865	13.865	0.000	97	259461	50.0	49.9	
90 Styrene	104	13.877	13.877	0.000	93	400221	50.0	42.5	
91 Bromoform	173	14.108	14.108	0.000	94	50138	50.0	43.2	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	697612	50.0	44.2	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.510	0.000	96	141959	50.0	44.3	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.540	0.000	64	35641	50.0	44.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	58	51720	50.0	42.0	
95 Bromobenzene	156	14.601	14.601	0.000	93	153267	50.0	44.4	
99 N-Propylbenzene	120	14.631	14.631	0.000	98	185732	50.0	48.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	157509	50.0	46.8	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	94	547749	50.0	44.9	
103 4-Chlorotoluene	126	14.887	14.887	0.000	98	161761	50.0	46.8	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	484325	50.0	48.0	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	544585	50.0	45.4	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	611500	50.0	48.6	
110 4-Isopropyltoluene	119	15.525	15.525	0.000	97	477404	50.0	43.7	
109 1,3-Dichlorobenzene	146	15.562	15.562	0.000	96	290984	50.0	46.4	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	286286	50.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	345263	50.0	46.1	
117 1,2-Dichlorobenzene	146	16.036	16.036	0.000	96	256894	50.0	46.7	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	13602	50.0	39.3	M
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	93	56447	50.0	40.3	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	95	32342	50.0	42.9	
124 Naphthalene	128	17.880	17.880	0.000	98	92946	50.0	48.3	
125 1,2,3-Trichlorobenzene	180	18.111	18.111	0.000	94	34052	50.0	46.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	89.4	
S 131 Xylenes, Total	106				0		100.0	94.0	
S 154 Total BTEX	1				0		250.0	233.5	
S 132 1,3-Dichloropropene, Total	1				0		100.0	93.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260VOAPRi_00429	Amount Added:	2.00	Units: uL
VOA8260SURR_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	2.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

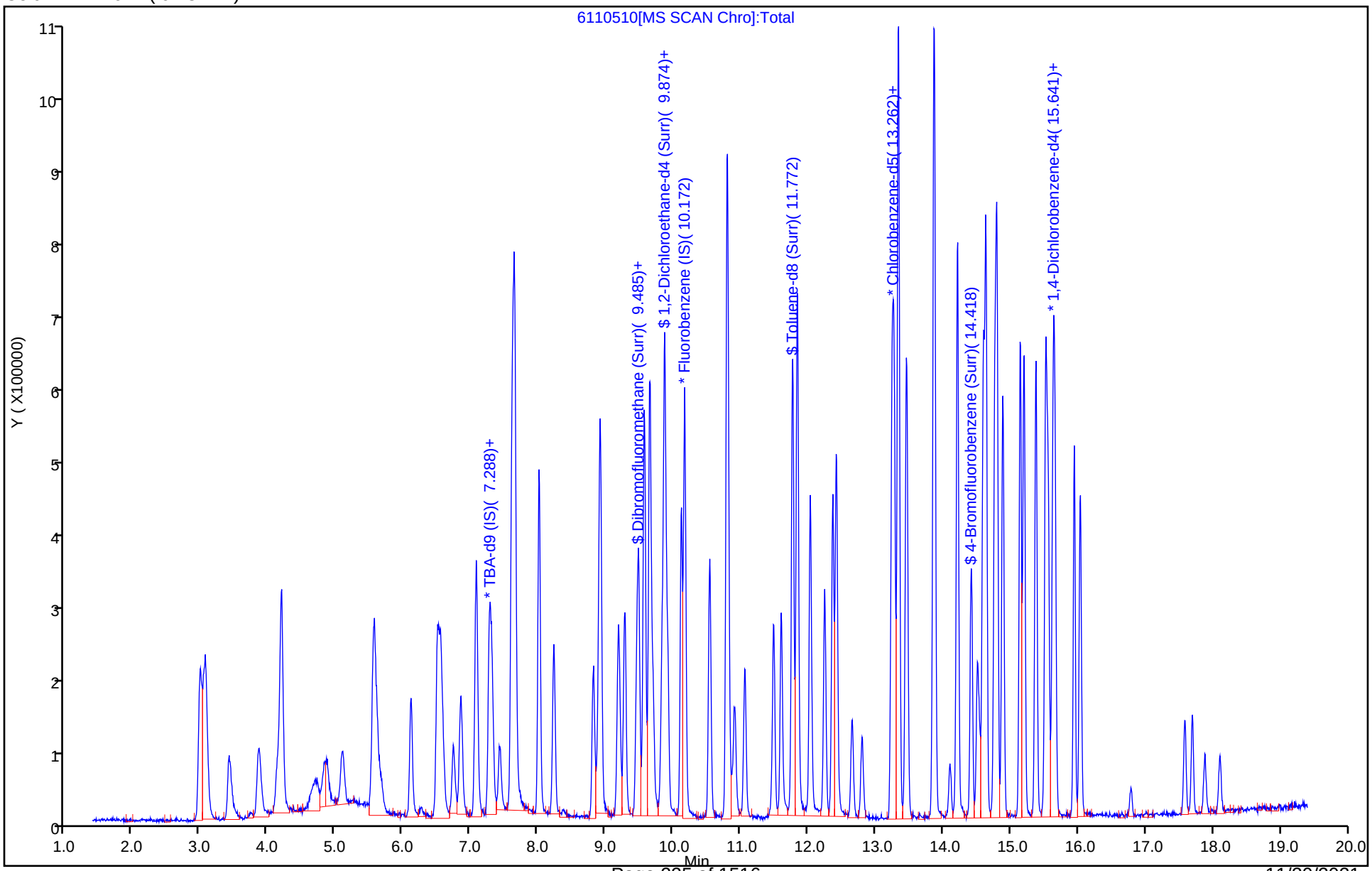
Report Date: 08-Nov-2020 13:30:59 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D

Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICIS			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

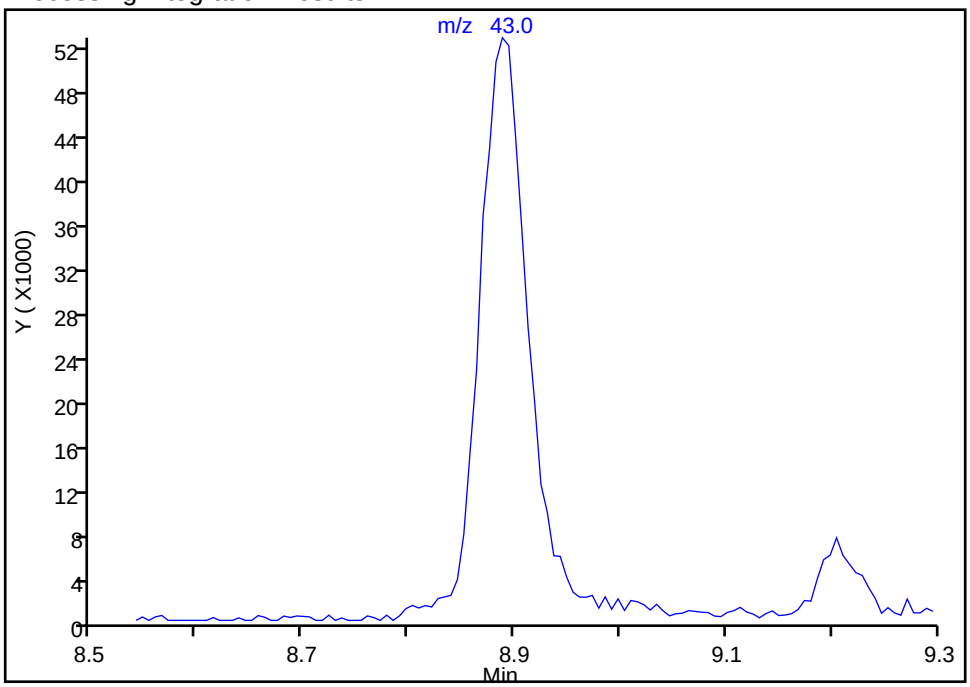
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Injection Date: 05-Nov-2020 10:53:30 Instrument ID: CHHP6
Lims ID: ICIS
Client ID:
Operator ID: 034635 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

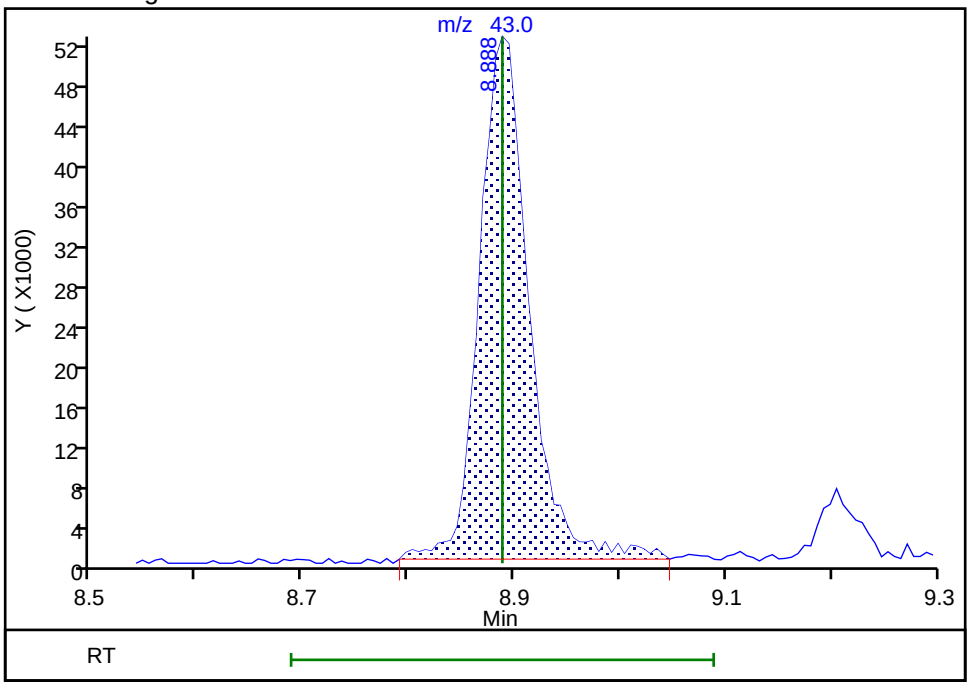
Not Detected
Expected RT: 8.89

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 170571
Amount: 94.519284
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:49:28
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

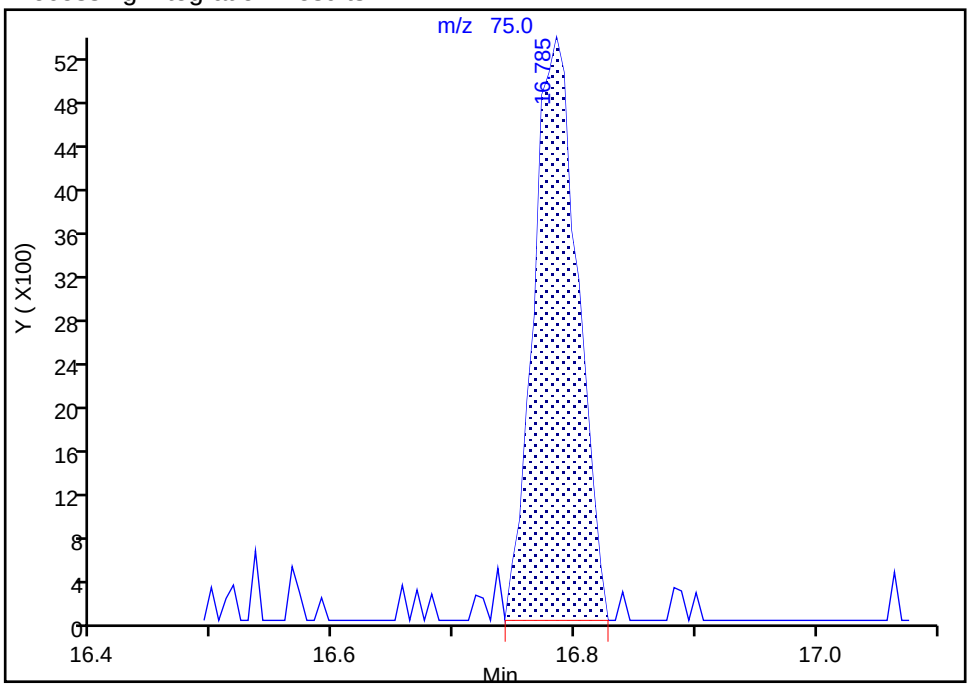
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D				
Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6		
Lims ID:	ICIS				
Client ID:					
Operator ID:	034635	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

118 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 3

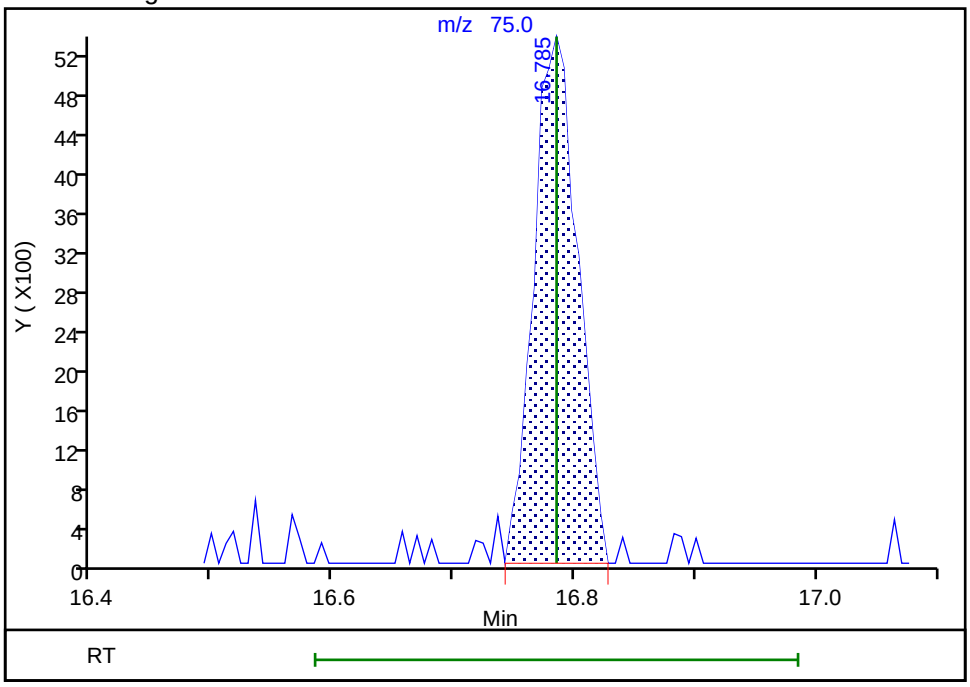
Processing Integration Results

RT: 16.78
Area: 13602
Amount: 41.697862
Amount Units: ng



Manual Integration Results

RT: 16.78
Area: 13602
Amount: 39.272906
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 12:28:12

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2020 11:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-011
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:06 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.319	7.319	0.000	91	216754	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	633929	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	88	124135	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	177595	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	202846	75.0	75.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	95	322447	75.0	77.2	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	95	913565	75.0	82.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	286771	75.0	77.7	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	320843	75.0	73.0	
12 Chloromethane	50	3.857	3.857	0.000	100	370456	75.0	71.5	
13 Vinyl chloride	62	4.137	4.137	0.000	97	322115	75.0	74.6	
14 Butadiene	39	4.198	4.198	0.000	92	362414	75.0	71.3	
15 Bromomethane	94	4.837	4.837	0.000	92	176620	75.0	70.3	
16 Chloroethane	64	5.105	5.105	0.000	99	209637	75.0	71.3	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	97	505716	75.0	73.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	98	440636	75.0	74.2	
20 Ethyl ether	59	6.120	6.120	0.000	96	207230	75.0	66.6	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	206606	75.0	73.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.558	6.558	0.000	94	236412	75.0	72.5	
24 Acetone	43	6.595	6.595	0.000	100	200998	150.0	150.2	
25 Iodomethane	142	6.741	6.741	0.000	99	293049	75.0	70.8	
26 Carbon disulfide	76	6.857	6.857	0.000	100	617437	75.0	72.7	
30 Methyl acetate	43	7.069	7.069	0.000	99	373766	150.0	132.5	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	125459	75.0	70.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	261013	75.0	68.1	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	93	191081	750.0	753.7	
33 Acrylonitrile	53	7.617	7.617	0.000	99	986461	750.0	651.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	97	587228	75.0	76.6	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	94	254097	75.0	70.3	
36 Hexane	57	8.012	8.012	0.000	95	418312	75.0	75.7	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	481915	75.0	70.4	
44 2-Butanone (MEK)	43	8.882	8.882	0.000	55	263964	150.0	152.2	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	85	260676	75.0	67.9	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	64829	75.0	71.6	
48 Chlorobromomethane	128	9.180	9.180	0.000	93	110149	75.0	64.6	
49 Tetrahydrofuran	42	9.211	9.211	0.000	45	144297	150.0	155.5	
50 Chloroform	83	9.284	9.284	0.000	96	430197	75.0	68.2	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	96	383543	75.0	71.3	
52 Cyclohexane	56	9.570	9.570	0.000	93	552246	75.0	83.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	359640	75.0	75.9	
53 Carbon tetrachloride	117	9.661	9.661	0.000	94	309994	75.0	71.7	
55 Isobutyl alcohol	41	9.698	9.698	0.000	92	203253	1875.0	1768.5	
56 Benzene	78	9.880	9.880	0.000	98	1058727	75.0	72.1	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	97	369204	75.0	67.8	
59 n-Heptane	43	10.117	10.117	0.000	93	327628	75.0	83.9	
61 Trichloroethene	130	10.543	10.543	0.000	97	245968	75.0	70.2	
63 Methylcyclohexane	83	10.793	10.793	0.000	96	430749	75.0	78.8	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	276915	75.0	70.9	
65 1,4-Dioxane	88	10.859	10.859	0.000	91	50467	1500.0	1708.6	
67 Dibromomethane	93	10.908	10.908	0.000	97	124213	75.0	66.6	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	279238	75.0	68.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	318495	75.0	79.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	437185	150.0	141.5	
73 Toluene	91	11.839	11.839	0.000	97	1110024	75.0	79.7	
75 Ethyl methacrylate	69	12.034	12.034	0.000	75	212514	75.0	76.8	
74 trans-1,3-Dichloropropene	75	12.040	12.040	0.000	94	289357	75.0	78.5	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.000	95	195646	75.0	72.6	
77 Tetrachloroethene	164	12.368	12.368	0.000	98	208287	75.0	78.5	
79 2-Hexanone	43	12.417	12.417	0.000	74	291515	150.0	142.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	365690	75.0	73.8	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	158226	75.0	69.0	
82 Ethylene Dibromide	107	12.800	12.800	0.000	97	175768	75.0	71.6	
84 Chlorobenzene	112	13.275	13.275	0.000	91	625528	75.0	75.0	
87 Ethylbenzene	106	13.342	13.342	0.000	98	366401	75.0	78.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	91	195319	75.0	72.3	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	99	451860	75.0	74.3	
89 o-Xylene	106	13.865	13.865	0.000	96	411614	75.0	87.4	
90 Styrene	104	13.877	13.877	0.000	94	628910	75.0	70.6	
91 Bromoform	173	14.102	14.102	0.000	94	77584	75.0	73.8	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	1113157	75.0	76.0	
96 1,1,2,2-Tetrachloroethane	83	14.516	14.516	0.000	96	213640	75.0	73.6	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	58585	75.0	77.3	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	61	76804	75.0	67.1	
95 Bromobenzene	156	14.601	14.601	0.000	93	235613	75.0	73.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	291584	75.0	80.2	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	234928	75.0	75.0	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	868101	75.0	74.8	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	239558	75.0	74.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	760834	75.0	79.7	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	832643	75.0	73.0	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	953872	75.0	80.1	
110 4-Isopropyltoluene	119	15.526	15.526	0.000	97	746098	75.0	70.7	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	432864	75.0	74.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	425521	75.0	71.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	566543	75.0	79.7	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.000	96	373634	75.0	73.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	23117	75.0	71.8	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	95	92114	75.0	70.8	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	92	53676	75.0	78.9	
124 Naphthalene	128	17.880	17.880	0.000	97	167731	75.0	77.0	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	95	57048	75.0	83.8	
S 130 1,2-Dichloroethene, Total	96				0		150.0	138.2	
S 131 Xylenes, Total	106				0		150.0	161.7	
S 154 Total BTEX	1				0		375.0	392.0	
S 132 1,3-Dichloropropene, Total	1				0		150.0	158.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	3.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	3.00	Units: uL
VOA8260SURR_00112	Amount Added:	3.00	Units: uL

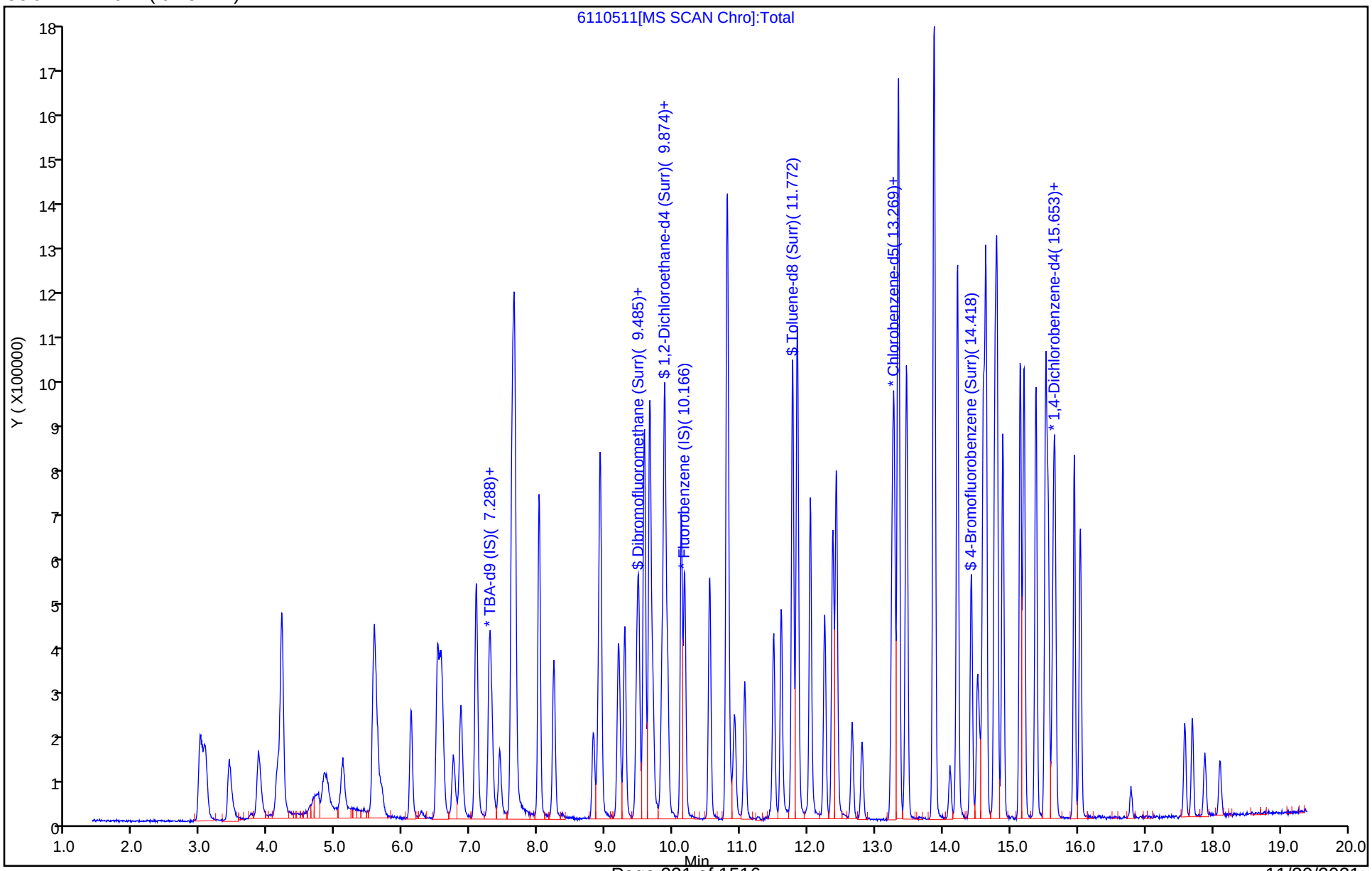
Report Date: 08-Nov-2020 13:31:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D

Injection Date:	05-Nov-2020 11:20:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

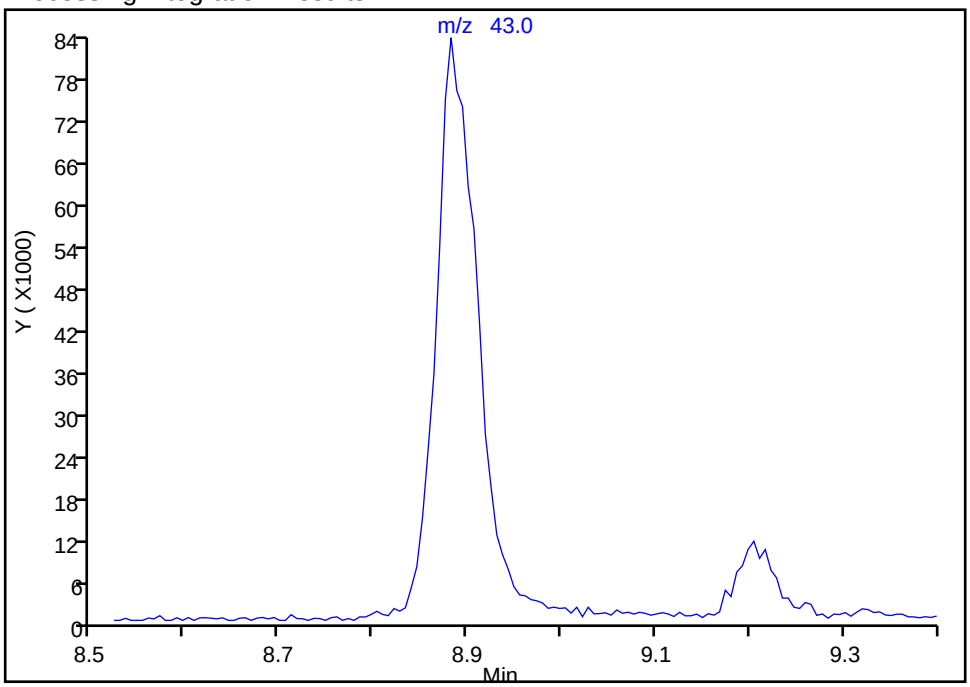
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Injection Date: 05-Nov-2020 11:20:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

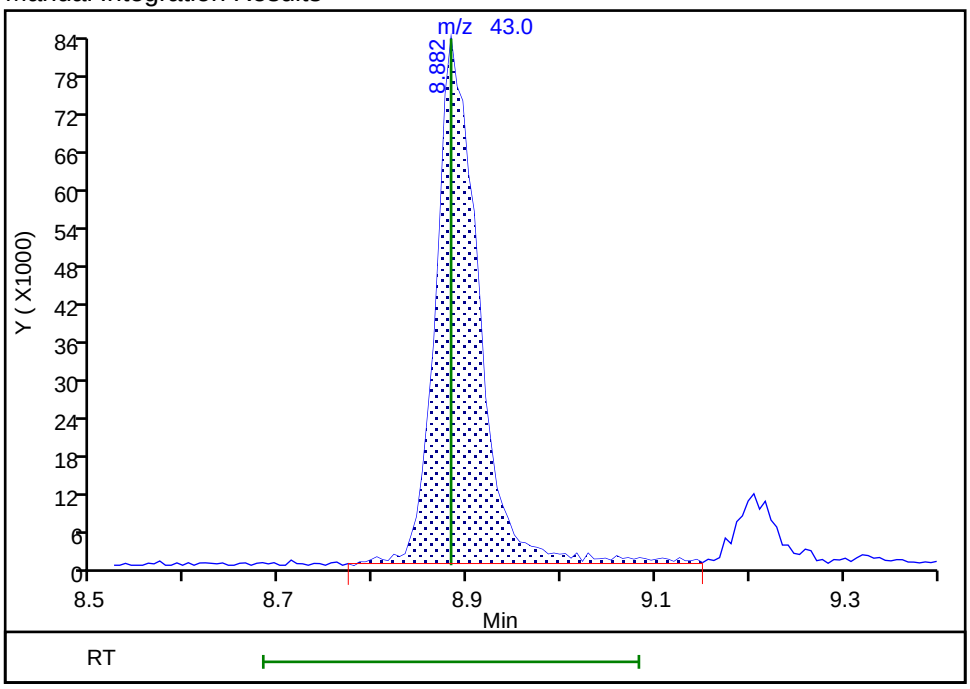
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.88
Area: 263964
Amount: 152.1981
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:50:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2020 11:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-012
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.319	-0.009	92	226094	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.172	-0.003	98	603499	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.244	-0.003	88	123664	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.629	0.003	96	179317	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.460	-0.003	92	264067	100.0	103.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.831	0.003	98	404191	100.0	101.7	
$ 7 Toluene-d8 (Surr)	98	11.769	11.772	-0.003	95	1159160	100.0	104.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.418	-0.003	0	392420	100.0	106.7	
11 Dichlorodifluoromethane	85	3.416	3.419	-0.003	99	380353	100.0	91.0	
12 Chloromethane	50	3.854	3.857	-0.003	99	455985	100.0	92.5	
13 Vinyl chloride	62	4.134	4.137	-0.003	97	378968	100.0	92.2	
14 Butadiene	39	4.195	4.198	-0.003	94	449318	100.0	93.5	M
15 Bromomethane	94	4.852	4.837	0.015	90	211505	100.0	88.5	
16 Chloroethane	64	5.101	5.105	-0.004	99	247684	100.0	88.5	
17 Dichlorofluoromethane	67	5.564	5.567	-0.003	97	599410	100.0	91.8	
18 Trichlorofluoromethane	101	5.606	5.597	0.009	97	516831	100.0	91.5	
20 Ethyl ether	59	6.117	6.120	-0.003	94	273468	100.0	92.3	
22 1,1-Dichloroethene	96	6.507	6.504	0.003	93	242319	100.0	90.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.549	6.558	-0.009	94	278619	100.0	89.8	
24 Acetone	43	6.592	6.595	-0.003	99	269581	200.0	211.6	
25 Iodomethane	142	6.750	6.741	0.009	99	360930	100.0	91.6	
26 Carbon disulfide	76	6.854	6.857	-0.003	100	738892	100.0	91.3	
30 Methyl acetate	43	7.073	7.069	0.004	99	497821	200.0	185.4	
29 3-Chloro-1-propene	76	7.085	7.082	0.003	90	155658	100.0	92.3	
31 Methylene Chloride	84	7.279	7.276	0.003	99	331688	100.0	92.6	
32 2-Methyl-2-propanol	59	7.425	7.434	-0.009	94	251818	1000.0	952.2	
33 Acrylonitrile	53	7.608	7.617	-0.009	99	1366935	1000.0	948.6	
35 Methyl tert-butyl ether	73	7.644	7.641	0.003	98	790136	100.0	108.3	
34 trans-1,2-Dichloroethene	96	7.650	7.660	-0.010	93	308160	100.0	89.5	
36 Hexane	57	8.009	8.012	-0.003	95	500285	100.0	95.1	
37 1,1-Dichloroethane	63	8.234	8.231	0.003	97	588048	100.0	90.2	
44 2-Butanone (MEK)	43	8.885	8.882	0.003	99	345063	200.0	209.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.916	8.919	-0.003	86	329821	100.0	90.3	
42 2,2-Dichloropropane	97	8.922	8.925	-0.003	68	74624	100.0	86.5	
48 Chlorobromomethane	128	9.190	9.180	0.010	93	142503	100.0	87.7	
49 Tetrahydrofuran	42	9.208	9.211	-0.003	44	189452	200.0	214.5	
50 Chloroform	83	9.281	9.284	-0.003	97	547876	100.0	91.3	
51 1,1,1-Trichloroethane	97	9.488	9.491	-0.003	98	461491	100.0	90.2	
52 Cyclohexane	56	9.573	9.570	0.003	94	660324	100.0	104.8	
54 1,1-Dichloropropene	75	9.646	9.649	-0.003	95	427465	100.0	94.7	
53 Carbon tetrachloride	117	9.658	9.661	-0.003	96	384021	100.0	93.2	
55 Isobutyl alcohol	41	9.701	9.698	0.003	90	272246	2500.0	2488.2	
56 Benzene	78	9.877	9.880	-0.003	98	1311296	100.0	93.7	
57 1,2-Dichloroethane	62	9.914	9.917	-0.003	97	484339	100.0	93.4	
59 n-Heptane	43	10.120	10.117	0.003	94	396995	100.0	106.8	
61 Trichloroethene	130	10.540	10.543	-0.003	97	309674	100.0	92.8	
63 Methylcyclohexane	83	10.796	10.793	0.003	96	519081	100.0	99.4	
64 1,2-Dichloropropane	63	10.814	10.811	0.003	90	344371	100.0	92.7	
65 1,4-Dioxane	88	10.856	10.859	-0.003	95	63524	2000.0	2259.1	
67 Dibromomethane	93	10.911	10.908	0.003	97	165406	100.0	93.2	
68 Dichlorobromomethane	83	11.057	11.060	-0.003	98	367432	100.0	94.7	
71 cis-1,3-Dichloropropene	75	11.489	11.492	-0.003	92	419042	100.0	109.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.605	11.602	0.003	98	632990	200.0	196.7	
73 Toluene	91	11.842	11.839	0.003	98	1367785	100.0	98.6	
75 Ethyl methacrylate	69	12.031	12.034	-0.003	93	295851	100.0	99.2	
74 trans-1,3-Dichloropropene	75	12.037	12.040	-0.003	97	392133	100.0	106.8	
76 1,1,2-Trichloroethane	97	12.243	12.247	-0.003	95	253265	100.0	94.4	
77 Tetrachloroethene	164	12.365	12.368	-0.003	95	247815	100.0	93.8	
78 1,3-Dichloropropane	76	12.420	12.417	0.003	96	491938	100.0	99.6	
79 2-Hexanone	43	12.414	12.417	-0.003	77	426355	200.0	200.5	
81 Chlorodibromomethane	129	12.657	12.654	0.003	91	213808	100.0	93.6	
82 Ethylene Dibromide	107	12.797	12.800	-0.003	98	228424	100.0	93.5	
84 Chlorobenzene	112	13.272	13.275	-0.003	93	808748	100.0	97.3	
87 Ethylbenzene	106	13.339	13.342	-0.004	99	471639	100.0	100.9	
86 1,1,1,2-Tetrachloroethane	131	13.339	13.342	-0.004	90	256974	100.0	95.5	
88 m-Xylene & p-Xylene	106	13.460	13.463	-0.003	100	571765	100.0	93.6	
89 o-Xylene	106	13.862	13.865	-0.003	97	540887	100.0	115.3	
90 Styrene	104	13.874	13.877	-0.003	94	825621	100.0	91.7	
91 Bromoform	173	14.105	14.102	0.003	95	106125	100.0	101.4	
93 Isopropylbenzene	105	14.215	14.218	-0.003	96	1408969	100.0	95.9	
96 1,1,2,2-Tetrachloroethane	83	14.513	14.516	-0.003	96	277793	100.0	96.1	
97 trans-1,4-Dichloro-2-butene	53	14.549	14.546	0.003	62	79996	100.0	104.2	
98 1,2,3-Trichloropropane	110	14.598	14.595	0.003	59	104336	100.0	90.3	
95 Bromobenzene	156	14.604	14.601	0.003	93	300790	100.0	92.9	
99 N-Propylbenzene	120	14.634	14.637	-0.003	99	360684	100.0	97.7	
100 2-Chlorotoluene	126	14.768	14.771	-0.003	95	300694	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	14.799	14.802	-0.003	94	1091183	100.0	92.5	
103 4-Chlorotoluene	126	14.884	14.887	-0.003	99	305646	100.0	94.3	
104 tert-Butylbenzene	119	15.145	15.148	-0.003	95	972480	100.0	100.3	
106 1,2,4-Trimethylbenzene	105	15.200	15.203	-0.003	97	1085440	100.0	93.5	
108 sec-Butylbenzene	105	15.376	15.379	-0.003	95	1209838	100.0	100.1	
110 4-Isopropyltoluene	119	15.522	15.526	-0.004	97	952271	100.0	88.3	
109 1,3-Dichlorobenzene	146	15.559	15.556	0.003	97	536034	100.0	91.0	
111 1,4-Dichlorobenzene	146	15.656	15.659	-0.003	92	534620	100.0	89.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.948	15.945	0.003	98	725923	100.0	100.5	
117 1,2-Dichlorobenzene	146	16.033	16.037	-0.003	96	480221	100.0	93.1	
118 1,2-Dibromo-3-Chloropropane	75	16.782	16.785	-0.003	70	33014	100.0	101.6	
122 1,2,4-Trichlorobenzene	180	17.585	17.582	0.003	94	132642	100.0	101.0	
123 Hexachlorobutadiene	225	17.694	17.697	-0.003	96	73784	100.0	108.5	
124 Naphthalene	128	17.883	17.880	0.003	98	265474	100.0	103.5	
125 1,2,3-Trichlorobenzene	180	18.108	18.105	0.003	94	86456	100.0	125.8	
S 130 1,2-Dichloroethene, Total	96				0		200.0	179.8	
S 131 Xylenes, Total	106				0		200.0	208.9	
S 154 Total BTEX	1				0		500.0	502.1	
S 132 1,3-Dichloropropene, Total	1				0		200.0	216.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	4.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	4.00	Units: uL
VOA8260SURR_00112	Amount Added:	4.00	Units: uL

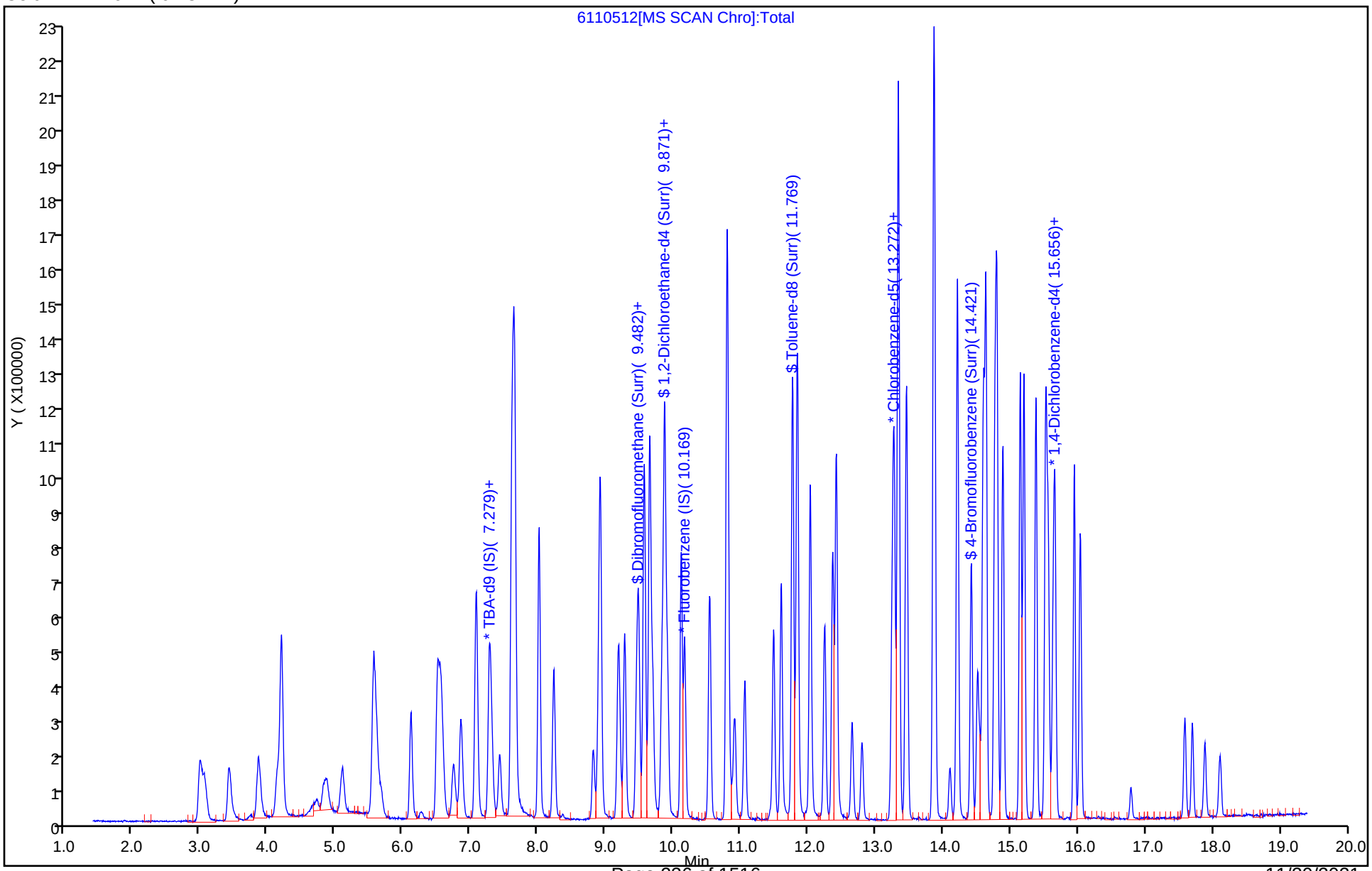
Report Date: 08-Nov-2020 13:31:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D

Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

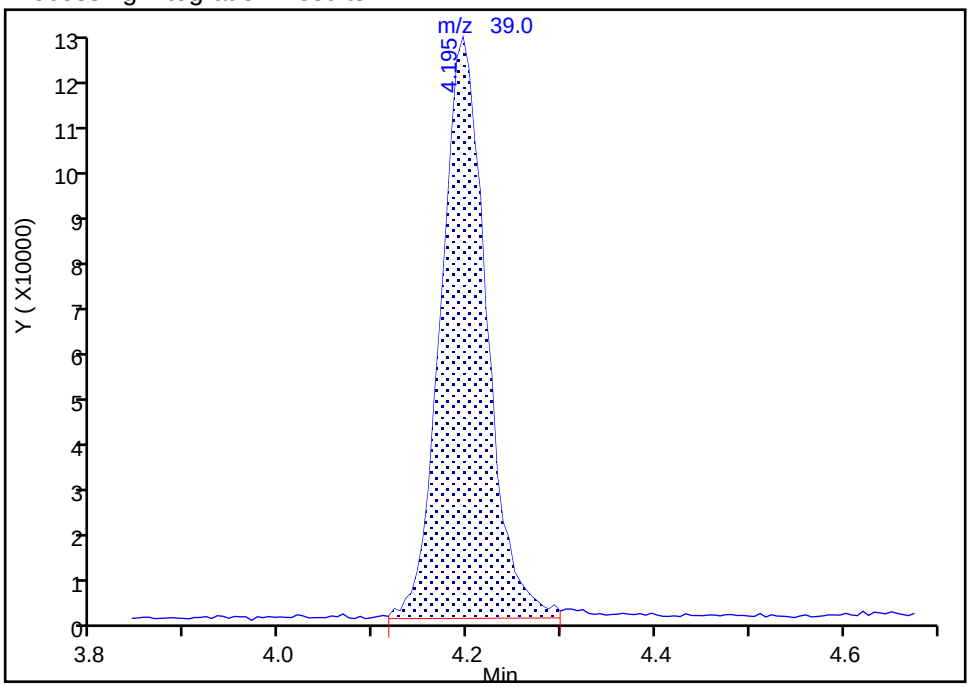
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

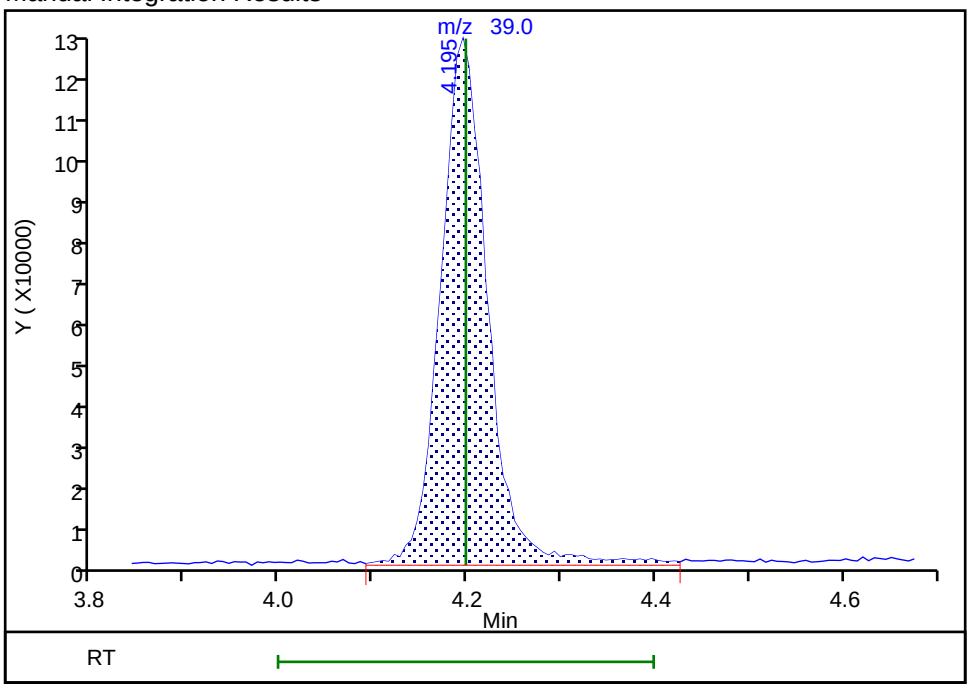
Processing Integration Results

RT: 4.20
Area: 432029
Amount: 84.741881
Amount Units: ng



Manual Integration Results

RT: 4.20
Area: 449318
Amount: 93.474722
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:19:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh

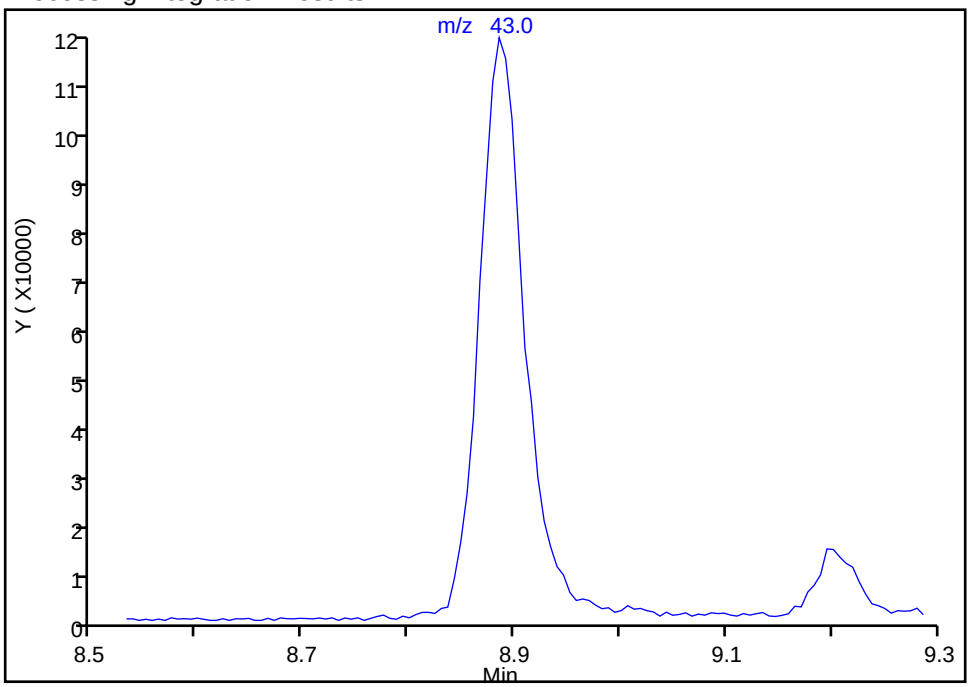
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

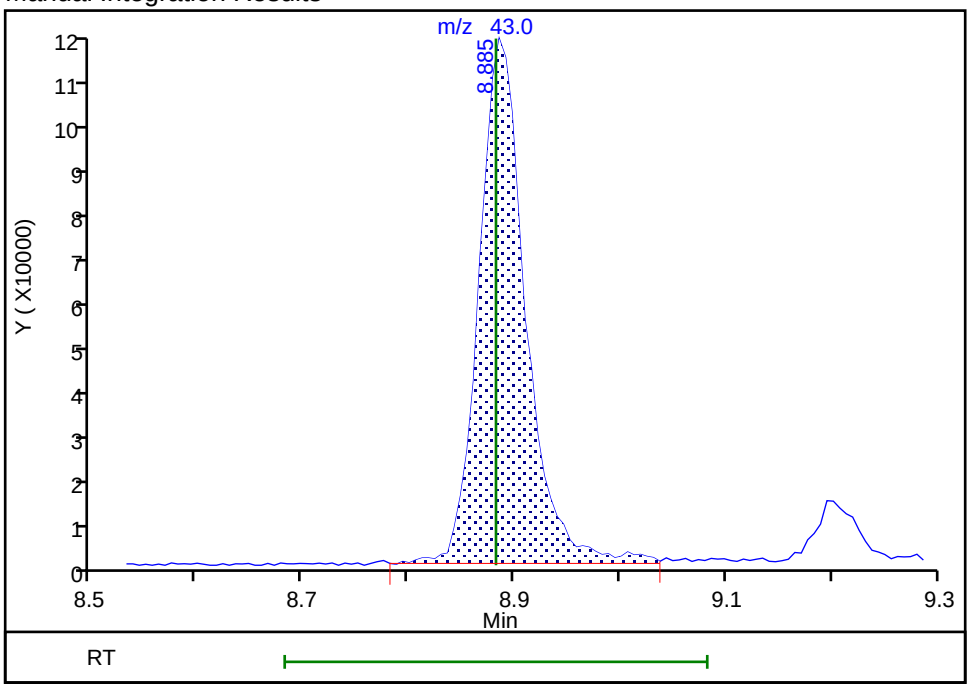
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 345063
Amount: 208.9907
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:52:04
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Nov-2020 12:15:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-013
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:24 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	93	237065	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	557831	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	119941	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	97	161023	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	93	419791	175.0	177.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.832	9.831	0.001	87	631604	175.0	171.9	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	1927595	175.0	179.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.418	0.001	0	647000	175.0	181.3	
11 Dichlorodifluoromethane	85	3.426	3.419	0.007	99	745184	175.0	192.8	
12 Chloromethane	50	3.864	3.857	0.007	100	842498	175.0	184.9	
13 Vinyl chloride	62	4.144	4.137	0.007	98	741670	175.0	195.1	
14 Butadiene	39	4.198	4.198	0.000	93	839154	175.0	191.1	
15 Bromomethane	94	4.861	4.837	0.024	92	385310	175.0	174.4	
16 Chloroethane	64	5.105	5.105	0.000	100	473377	175.0	182.9	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	98	1128742	175.0	187.1	
18 Trichlorofluoromethane	101	5.598	5.597	0.001	98	1009276	175.0	193.2	
20 Ethyl ether	59	6.115	6.120	-0.005	96	513339	175.0	187.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	476297	175.0	192.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.559	6.558	0.001	94	535828	175.0	186.8	
24 Acetone	43	6.589	6.595	-0.006	98	460912	350.0	391.4	
25 Iodomethane	142	6.747	6.741	0.006	99	679025	175.0	186.4	
26 Carbon disulfide	76	6.857	6.857	0.000	100	1435357	175.0	191.9	
30 Methyl acetate	43	7.070	7.069	0.001	99	946033	350.0	381.2	
29 3-Chloro-1-propene	76	7.088	7.082	0.006	90	311579	175.0	200.0	
31 Methylene Chloride	84	7.283	7.276	0.007	99	565880	175.0	175.0	
32 2-Methyl-2-propanol	59	7.429	7.434	-0.005	94	475429	1750.0	1714.5	
33 Acrylonitrile	53	7.611	7.617	-0.006	98	2593990	1750.0	1947.5	
35 Methyl tert-butyl ether	73	7.642	7.641	0.001	98	1496613	175.0	221.8	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	581182	175.0	182.7	
36 Hexane	57	8.019	8.012	0.007	95	994929	175.0	204.5	
37 1,1-Dichloroethane	63	8.232	8.231	0.001	97	1120797	175.0	186.0	
44 2-Butanone (MEK)	43	8.889	8.882	0.007	99	618125	350.0	405.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.913	8.919	-0.006	87	621793	175.0	184.2	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	91	141690	175.0	177.8	
48 Chlorobromomethane	128	9.187	9.180	0.007	93	262957	175.0	175.2	
49 Tetrahydrofuran	42	9.205	9.211	-0.006	44	378993	350.0	464.2	
50 Chloroform	83	9.284	9.284	0.000	97	1006069	175.0	181.3	
51 1,1,1-Trichloroethane	97	9.485	9.491	-0.006	97	911477	175.0	192.7	
52 Cyclohexane	56	9.570	9.570	0.000	93	1330680	175.0	228.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	848242	175.0	203.4	
53 Carbon tetrachloride	117	9.655	9.661	-0.006	97	741993	175.0	194.9	
55 Isobutyl alcohol	41	9.698	9.698	0.000	91	516882	4375.0	5110.9	
56 Benzene	78	9.874	9.880	-0.006	98	2460058	175.0	190.3	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	96	885871	175.0	184.9	
59 n-Heptane	43	10.124	10.117	0.007	96	818576	175.0	238.2	
61 Trichloroethene	130	10.543	10.543	0.000	97	597793	175.0	193.8	
63 Methylcyclohexane	83	10.793	10.793	0.000	95	1047837	175.0	215.5	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	641556	175.0	186.8	
65 1,4-Dioxane	88	10.866	10.859	0.007	95	121579	3500.0	4677.7	
67 Dibromomethane	93	10.914	10.908	0.006	96	301698	175.0	183.9	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	676108	175.0	188.4	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	92	820521	175.0	232.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	1169372	350.0	357.0	
73 Toluene	91	11.839	11.839	0.000	97	2653112	175.0	197.2	
75 Ethyl methacrylate	69	12.028	12.034	-0.006	90	641291	175.0	176.3	
74 trans-1,3-Dichloropropene	75	12.034	12.040	-0.006	92	756371	175.0	212.4	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.001	95	465914	175.0	179.0	
77 Tetrachloroethene	164	12.362	12.368	-0.006	94	491949	175.0	191.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	907330	175.0	189.5	
79 2-Hexanone	43	12.417	12.417	0.000	98	768293	350.0	355.4	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	417139	175.0	188.3	
82 Ethylene Dibromide	107	12.800	12.800	0.000	100	435350	175.0	183.7	
84 Chlorobenzene	112	13.275	13.275	0.000	93	1514759	175.0	188.0	
87 Ethylbenzene	106	13.336	13.342	-0.006	99	910637	175.0	198.9	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	94	486580	175.0	186.4	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	100	1109435	175.0	184.4	
89 o-Xylene	106	13.859	13.865	-0.006	97	1044366	175.0	229.5	
90 Styrene	104	13.877	13.877	0.000	92	1614997	175.0	180.5	
91 Bromoform	173	14.102	14.102	0.000	95	203002	175.0	200.0	
93 Isopropylbenzene	105	14.212	14.218	-0.006	96	2813005	175.0	194.6	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.516	-0.006	96	521753	175.0	186.0	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	160445	175.0	231.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	88	199230	175.0	192.1	
95 Bromobenzene	156	14.601	14.601	0.000	96	556036	175.0	191.2	
99 N-Propylbenzene	120	14.638	14.637	0.001	99	718236	175.0	213.6	
100 2-Chlorotoluene	126	14.765	14.771	-0.006	95	568129	175.0	200.1	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	2090582	175.0	194.4	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	584830	175.0	200.9	
104 tert-Butylbenzene	119	15.149	15.148	0.001	93	1912029	175.0	217.0	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	98	2049989	175.0	193.7	
108 sec-Butylbenzene	105	15.374	15.379	-0.005	94	2382047	175.0	216.9	
110 4-Isopropyltoluene	119	15.520	15.526	-0.006	97	1905453	175.0	191.8	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	995523	175.0	188.2	
111 1,4-Dichlorobenzene	146	15.660	15.659	0.001	93	1005518	175.0	187.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1492022	175.0	227.0	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.001	96	894741	175.0	193.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	73	57027	175.0	195.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	94	235785	175.0	199.9	
123 Hexachlorobutadiene	225	17.698	17.697	0.001	97	133216	175.0	221.1	
124 Naphthalene	128	17.886	17.880	0.006	96	488279	175.0	161.6	M
125 1,2,3-Trichlorobenzene	180	18.111	18.105	0.006	94	144171	175.0	233.6	
S 130 1,2-Dichloroethene, Total	96				0		350.0	366.9	
S 131 Xylenes, Total	106				0		350.0	413.8	
S 154 Total BTEX	1				0		875.0	1000.1	
S 132 1,3-Dichloropropene, Total	1				0		350.0	445.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	7.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	7.00	Units: uL
VOA8260SURR_00112	Amount Added:	7.00	Units: uL

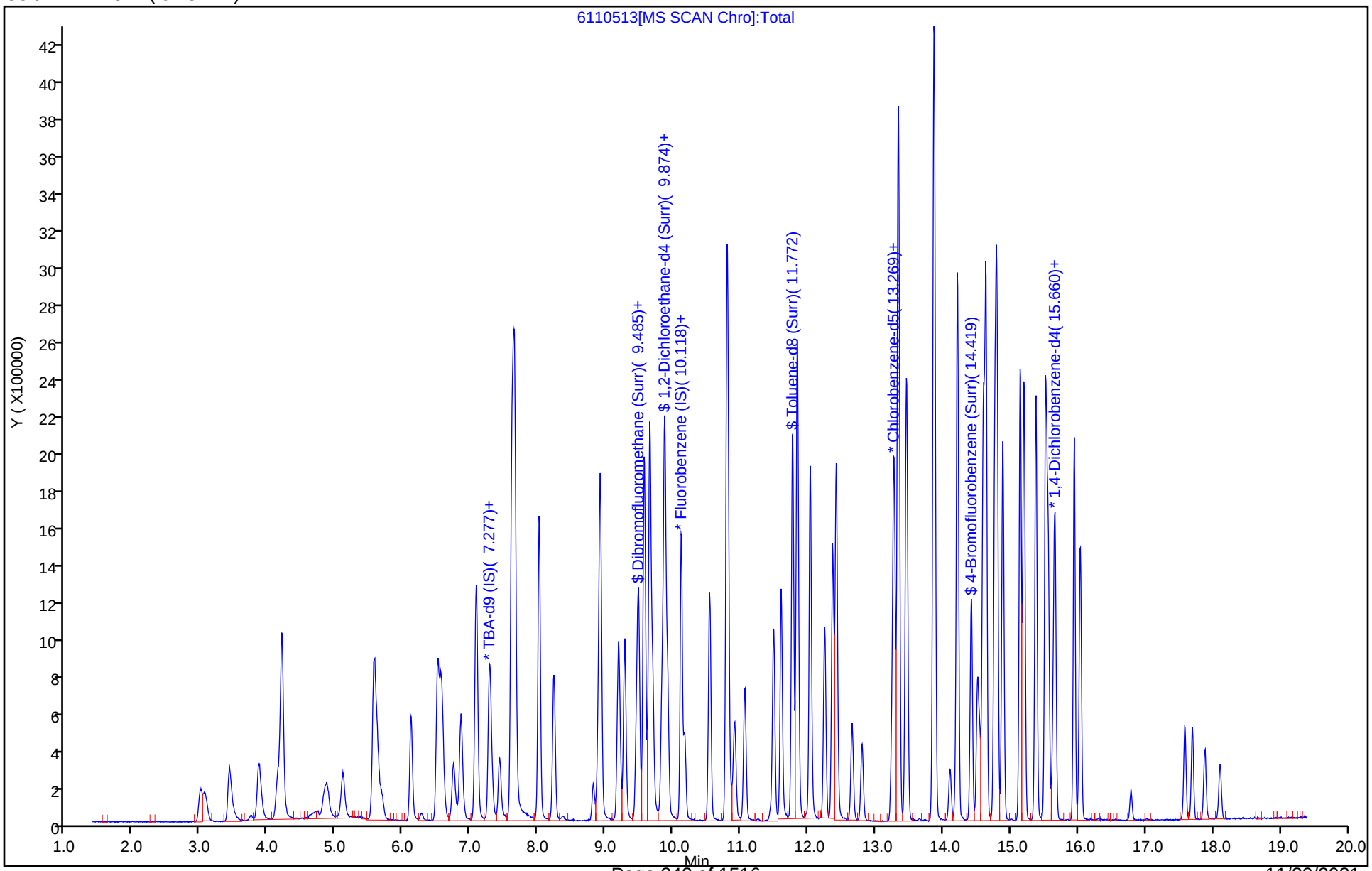
Report Date: 08-Nov-2020 13:31:26 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D

Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

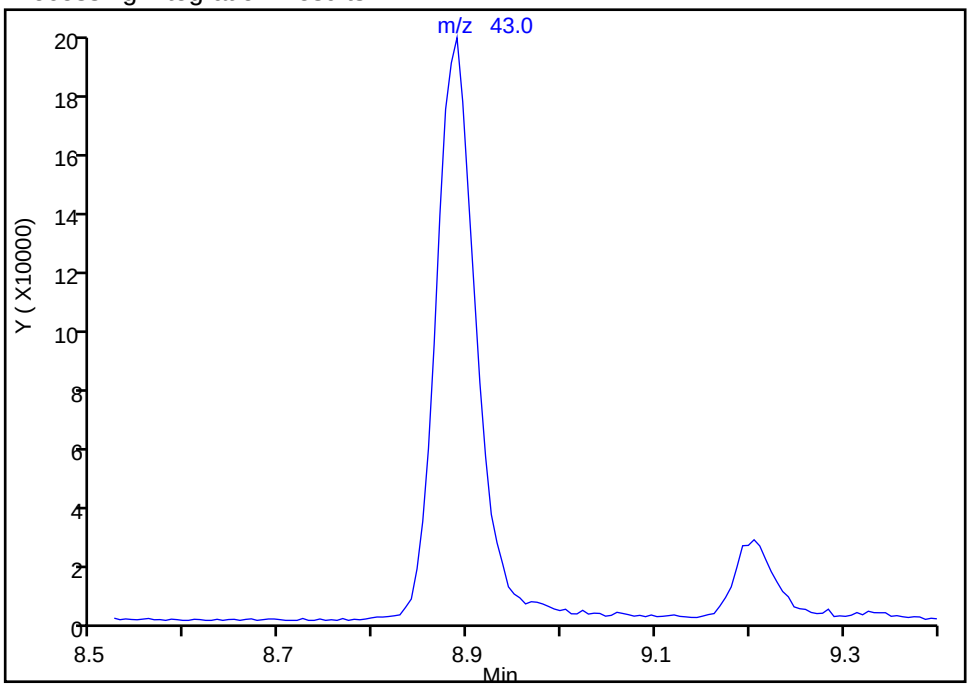
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Injection Date: 05-Nov-2020 12:15:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

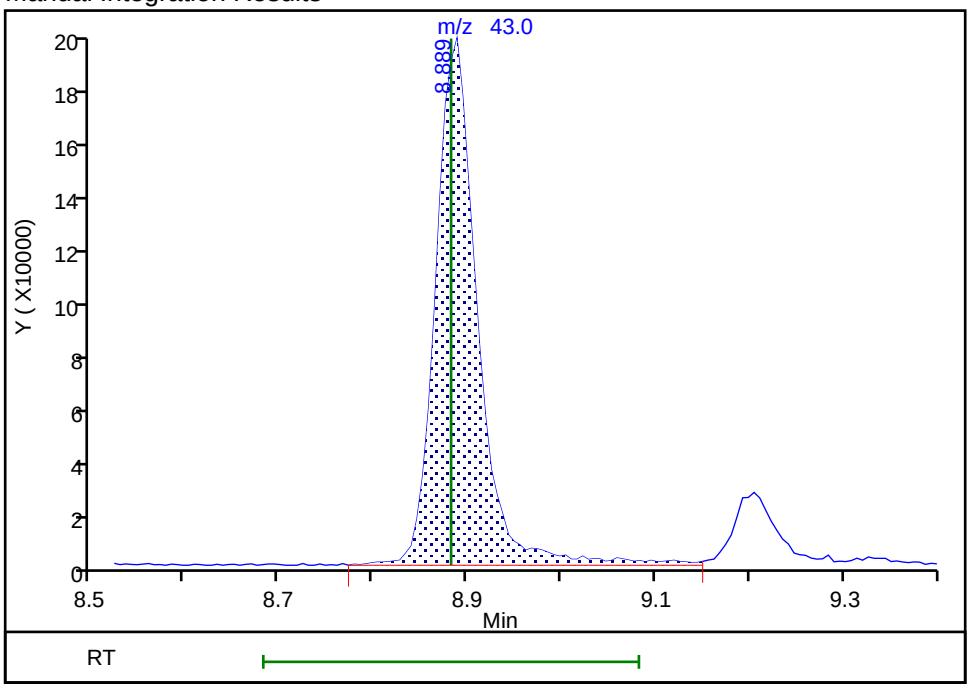
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 618125
Amount: 405.0221
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:53:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

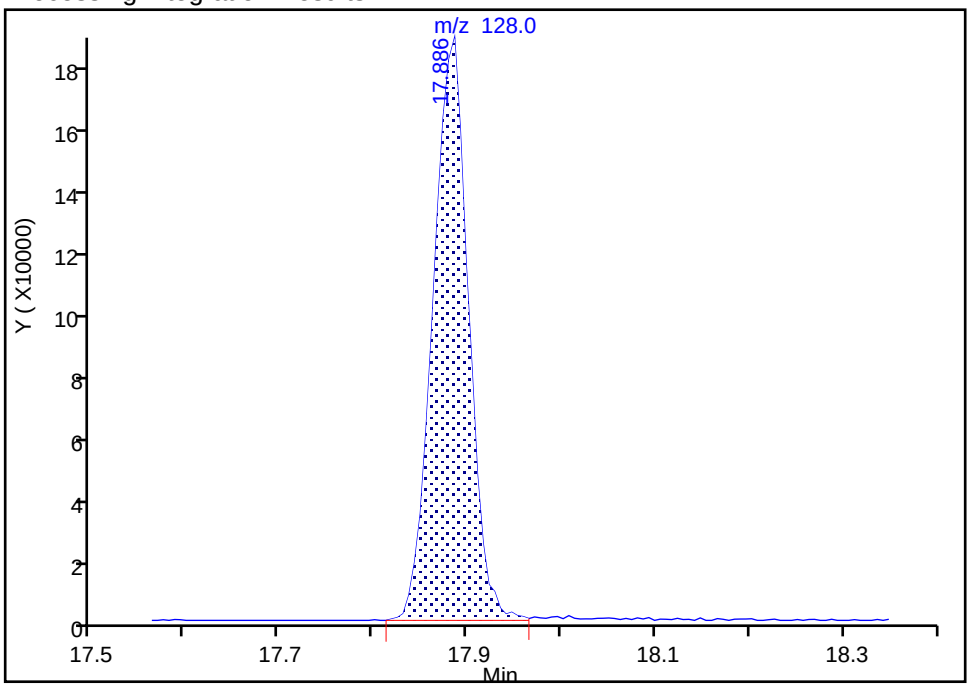
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D				
Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

124 Naphthalene, CAS: 91-20-3

Signal: 1

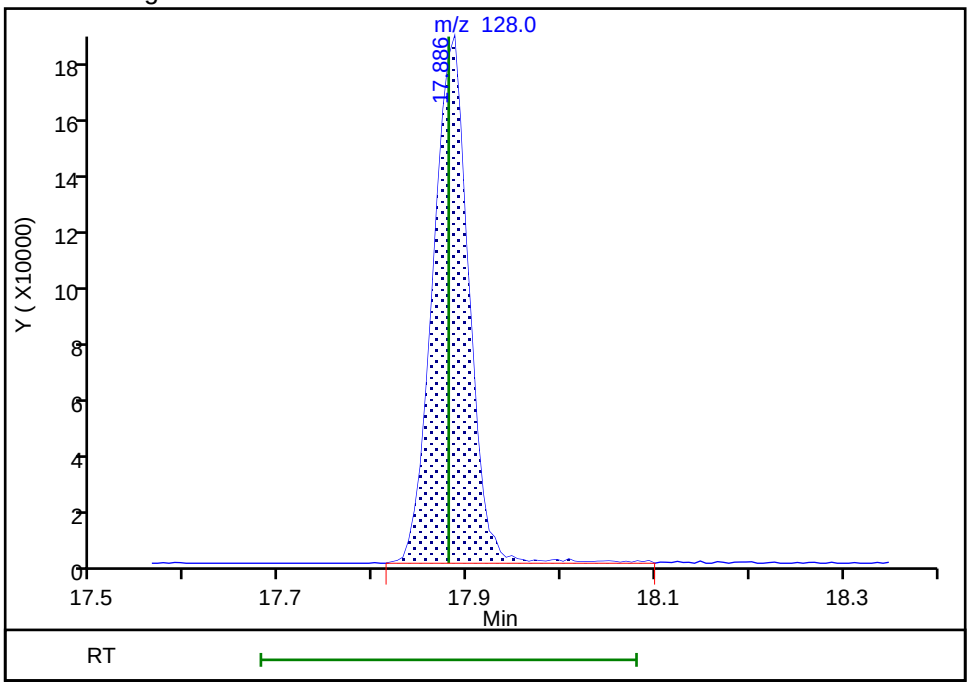
Processing Integration Results

RT: 17.89
Area: 482858
Amount: 174.2953
Amount Units: ng



Manual Integration Results

RT: 17.89
Area: 488279
Amount: 161.6357
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:29:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2020 12:42:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-014
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:33 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	78	252760	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.172	-0.007	98	596785	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.244	-0.006	88	132184	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.629	-0.001	98	177614	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	511421	200.0	202.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	829657	200.0	211.1	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2324597	200.0	196.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	801286	200.0	203.8	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	100	872601	200.0	211.0	
12 Chloromethane	50	3.851	3.857	-0.006	100	1036786	200.0	212.7	
13 Vinyl chloride	62	4.131	4.137	-0.006	98	888095	200.0	218.4	
14 Butadiene	39	4.191	4.198	-0.007	93	1007668	200.0	214.7	
15 Bromomethane	94	4.824	4.837	-0.013	91	470832	200.0	199.2	
16 Chloroethane	64	5.098	5.105	-0.007	99	578080	200.0	208.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	1329027	200.0	205.9	
18 Trichlorofluoromethane	101	5.603	5.597	0.006	98	1192370	200.0	213.4	
20 Ethyl ether	59	6.114	6.120	-0.006	95	664453	200.0	226.7	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	579907	200.0	219.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	638062	200.0	207.9	
24 Acetone	43	6.594	6.595	-0.001	99	571930	400.0	454.0	
25 Iodomethane	142	6.740	6.741	-0.001	99	850385	200.0	218.2	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1752803	200.0	219.1	
30 Methyl acetate	43	7.075	7.069	0.006	99	1200806	400.0	452.3	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	90	388186	200.0	232.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	733511	200.0	213.0	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	94	647659	2000.0	2190.6	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	3285828	2000.0	2305.9	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	1959001	200.0	271.4	
34 trans-1,2-Dichloroethene	96	7.653	7.660	-0.007	94	722420	200.0	212.3	
36 Hexane	57	8.012	8.012	0.000	95	1195781	200.0	229.8	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	1402144	200.0	217.5	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	751617	400.0	460.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.918	8.919	-0.001	86	781917	200.0	216.5	
42 2,2-Dichloropropane	97	8.918	8.925	-0.007	92	174589	200.0	204.7	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	340592	200.0	212.1	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	54	494054	400.0	565.6	
50 Chloroform	83	9.283	9.284	-0.001	95	1265843	200.0	213.2	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1117814	200.0	220.8	
52 Cyclohexane	56	9.569	9.570	-0.001	93	1609731	200.0	258.3	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1024928	200.0	229.7	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	97	904067	200.0	222.0	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	91	619287	5000.0	5723.8	
56 Benzene	78	9.873	9.880	-0.007	98	3081445	200.0	222.8	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1143818	200.0	223.1	
59 n-Heptane	43	10.123	10.117	0.006	95	985227	200.0	268.0	
61 Trichloroethene	130	10.543	10.543	0.000	97	740156	200.0	224.3	
63 Methylcyclohexane	83	10.798	10.793	0.005	95	1257625	200.0	241.6	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	91	812076	200.0	221.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	96	160916	4000.0	5787.0	
67 Dibromomethane	93	10.914	10.908	0.006	97	385788	200.0	219.8	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	888638	200.0	231.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	1084120	200.0	287.7	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1523082	400.0	418.4	
73 Toluene	91	11.838	11.839	-0.001	98	3312951	200.0	223.4	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	80	845208	200.0	199.0	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	90	996294	200.0	253.9	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	95	603597	200.0	210.4	
77 Tetrachloroethene	164	12.368	12.368	0.000	95	587064	200.0	207.8	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1167354	200.0	221.2	
79 2-Hexanone	43	12.416	12.417	-0.001	97	1002573	400.0	417.2	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	550292	200.0	225.4	
82 Ethylene Dibromide	107	12.800	12.800	0.000	98	573575	200.0	219.6	
84 Chlorobenzene	112	13.274	13.275	-0.001	92	1944620	200.0	219.0	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1157170	200.0	229.0	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	94	628411	200.0	218.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	1417879	200.0	213.3	
89 o-Xylene	106	13.858	13.865	-0.007	97	1347963	200.0	268.7	
90 Styrene	104	13.876	13.877	-0.001	95	2110939	200.0	213.3	
91 Bromoform	173	14.107	14.102	0.005	95	276152	200.0	246.9	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	3565423	200.0	223.4	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	675427	200.0	218.5	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	80	221189	200.0	288.7	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	85	247013	200.0	215.9	
95 Bromobenzene	156	14.600	14.601	-0.001	97	726350	200.0	226.4	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	902068	200.0	242.9	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	721911	200.0	230.5	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	2666591	200.0	224.4	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	745803	200.0	232.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2406534	200.0	247.4	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	97	2649257	200.0	226.4	
108 sec-Butylbenzene	105	15.373	15.379	-0.006	94	2997535	200.0	247.1	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2392283	200.0	217.8	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	98	1278992	200.0	219.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1300467	200.0	219.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1897302	200.0	261.4	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1153305	200.0	225.7	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	78220	200.0	242.9	
122 1,2,4-Trichlorobenzene	180	17.587	17.582	0.005	94	348851	200.0	268.1	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	97	180552	200.0	272.4	
124 Naphthalene	128	17.885	17.880	0.005	97	829265	200.0	208.7	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	94	232782	200.0	342.0	
S 130 1,2-Dichloroethene, Total	96				0		400.0	428.8	
S 131 Xylenes, Total	106				0		400.0	482.1	
S 154 Total BTEX	1				0		1000.0	1157.2	
S 132 1,3-Dichloropropene, Total	1				0		400.0	541.6	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	8.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	8.00	Units: uL
VOA8260SURR_00112	Amount Added:	8.00	Units: uL

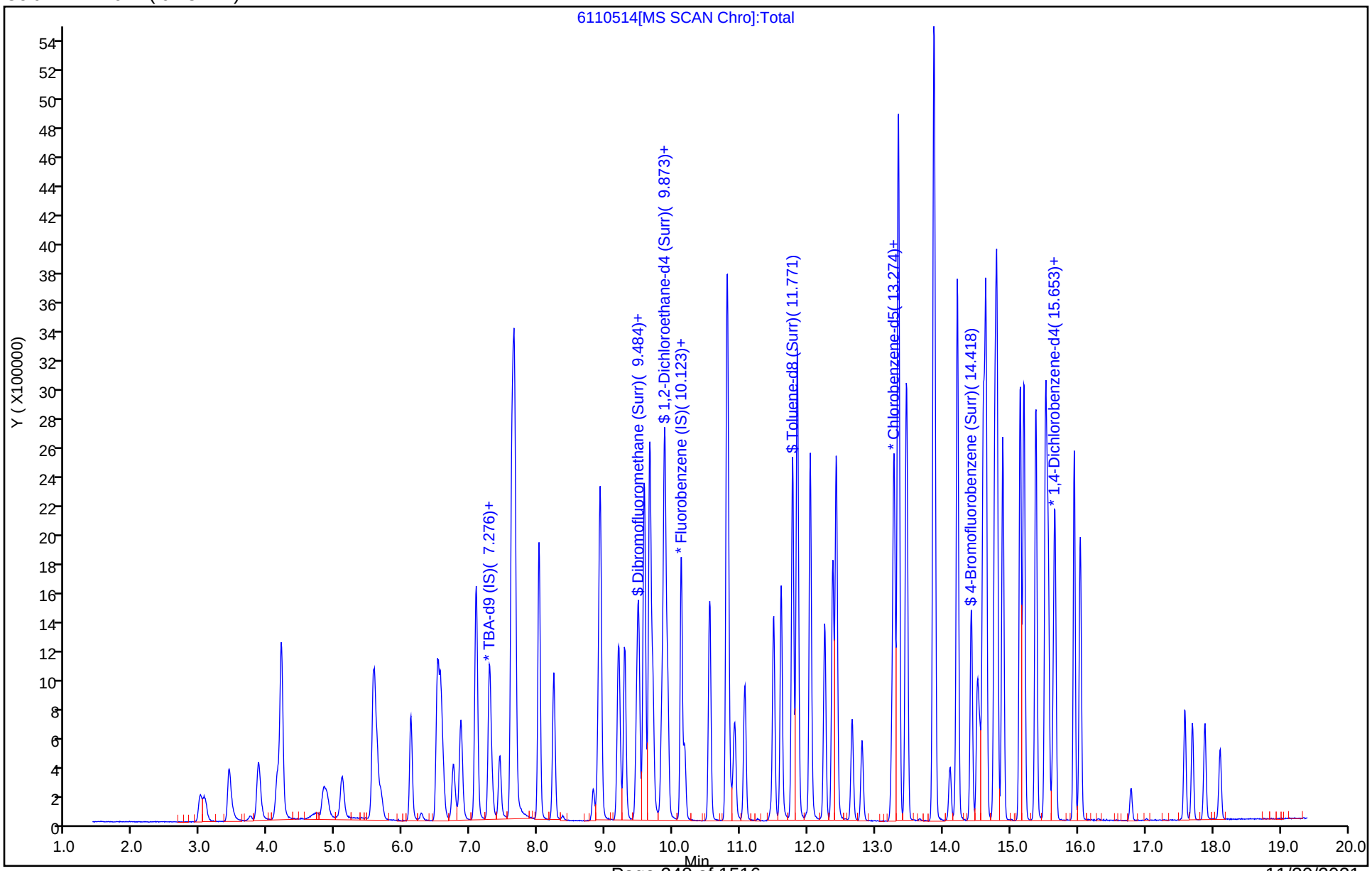
Report Date: 08-Nov-2020 13:31:36 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D

Injection Date:	05-Nov-2020 12:42:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2020 13:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-015
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:42 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.318	7.319	-0.001	93	238315	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	99	597851	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.243	13.244	-0.001	88	135295	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	92	182728	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	671299	250.0	265.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	1001784	250.0	254.4	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2969702	250.0	244.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	1058585	250.0	263.0	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	99	883329	250.0	213.2	
12 Chloromethane	50	3.863	3.857	0.006	99	1134366	250.0	232.3	
13 Vinyl chloride	62	4.136	4.137	-0.001	98	921287	250.0	226.2	
14 Butadiene	39	4.197	4.198	-0.001	92	968799	250.0	206.0	
15 Bromomethane	94	4.818	4.837	-0.019	91	525833	250.0	222.0	
16 Chloroethane	64	5.085	5.105	-0.020	99	619755	250.0	223.5	
17 Dichlorofluoromethane	67	5.554	5.567	-0.013	97	1518170	250.0	234.8	
18 Trichlorofluoromethane	101	5.590	5.597	-0.007	87	1223795	250.0	218.6	
20 Ethyl ether	59	6.114	6.120	-0.006	95	858517	250.0	292.4	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	598741	250.0	226.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	655389	250.0	213.1	
24 Acetone	43	6.588	6.595	-0.007	99	742709	500.0	588.5	
25 Iodomethane	142	6.740	6.741	-0.001	98	1001720	250.0	256.6	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1850851	250.0	230.9	
30 Methyl acetate	43	7.075	7.069	0.006	99	1552385	500.0	583.6	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	89	431280	250.0	258.3	
31 Methylene Chloride	84	7.282	7.276	0.006	99	880652	250.0	256.2	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	96	840352	2500.0	3014.7	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	4319686	2500.0	3026.1	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	2517888	250.0	348.2	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	94	786998	250.0	230.8	
36 Hexane	57	8.012	8.012	0.000	94	1217455	250.0	233.5	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	1621674	250.0	251.2	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	963829	500.0	589.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	86	932012	250.0	257.6	
42 2,2-Dichloropropane	97	8.924	8.925	-0.001	92	197160	250.0	230.8	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	418685	250.0	260.2	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	45	649164	500.0	741.8	
50 Chloroform	83	9.283	9.284	-0.001	97	1501363	250.0	252.4	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1192137	250.0	235.1	
52 Cyclohexane	56	9.575	9.570	0.005	93	1642460	250.0	263.0	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1086528	250.0	243.1	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	95	963658	250.0	236.2	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	93	836215	6250.0	7714.9	
56 Benzene	78	9.873	9.880	-0.007	98	3568216	250.0	257.5	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1414230	250.0	275.4	
59 n-Heptane	43	10.123	10.117	0.006	95	1001052	250.0	271.9	
61 Trichloroethene	130	10.542	10.543	-0.001	97	826397	250.0	250.0	
63 Methylcyclohexane	83	10.798	10.793	0.005	93	1303685	250.0	249.9	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	92	982978	250.0	267.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	98	211979	5000.0	7609.8	
67 Dibromomethane	93	10.907	10.908	-0.001	95	497257	250.0	282.8	
68 Dichlorobromomethane	83	11.059	11.060	-0.001	99	1099771	250.0	286.0	
71 cis-1,3-Dichloropropene	75	11.491	11.492	-0.001	92	1377526	250.0	364.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1964437	500.0	522.1	
73 Toluene	91	11.844	11.839	0.005	97	3814402	250.0	251.3	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	90	1119374	250.0	235.9	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	93	1275175	250.0	317.5	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	94	775365	250.0	264.0	
77 Tetrachloroethene	164	12.361	12.368	-0.007	95	642453	250.0	222.2	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1488680	250.0	275.6	
79 2-Hexanone	43	12.416	12.417	-0.001	92	1292763	500.0	520.4	
81 Chlorodibromomethane	129	12.653	12.654	-0.001	90	712707	250.0	285.2	
82 Ethylene Dibromide	107	12.799	12.800	-0.001	99	744456	250.0	278.4	
84 Chlorobenzene	112	13.274	13.275	-0.001	93	2353188	250.0	258.9	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1322356	250.0	255.4	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	93	769833	250.0	261.4	
88 m-Xylene & p-Xylene	106	13.456	13.463	-0.007	100	1642810	250.0	241.1	
89 o-Xylene	106	13.858	13.865	-0.007	98	1591685	250.0	310.0	
90 Styrene	104	13.876	13.877	-0.001	95	2573458	250.0	253.2	
91 Bromoform	173	14.107	14.102	0.005	95	365030	250.0	318.8	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	4026784	250.0	246.3	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	864759	250.0	273.3	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	70	293192	250.0	371.6	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	88	321244	250.0	272.9	
95 Bromobenzene	156	14.600	14.601	-0.001	98	895171	250.0	271.3	
99 N-Propylbenzene	120	14.637	14.637	0.000	99	1013082	250.0	264.9	
100 2-Chlorotoluene	126	14.764	14.771	-0.007	95	838635	250.0	260.3	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	3070571	250.0	250.9	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	873110	250.0	264.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2743319	250.0	273.8	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	98	3106150	250.0	257.7	
108 sec-Butylbenzene	105	15.379	15.379	0.000	94	3345177	250.0	267.9	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2712218	250.0	239.6	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	97	1534633	250.0	255.6	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1576970	250.0	258.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.944	15.945	-0.001	98	2135121	250.0	285.7	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1421657	250.0	270.4	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	107380	250.0	324.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	94	426821	250.0	318.9	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	95	192694	250.0	282.6	
124 Naphthalene	128	17.879	17.880	-0.001	98	1091308	250.0	240.6	
125 1,2,3-Trichlorobenzene	180	18.104	18.105	-0.001	94	290995	250.0	415.5	
S 130 1,2-Dichloroethene, Total	96				0		500.0	488.4	
S 131 Xylenes, Total	106				0		500.0	551.2	
S 154 Total BTEX	1				0		1250.0	1315.4	
S 132 1,3-Dichloropropene, Total	1				0		500.0	682.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	10.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	10.00	Units: uL
VOA8260SURR_00112	Amount Added:	10.00	Units: uL

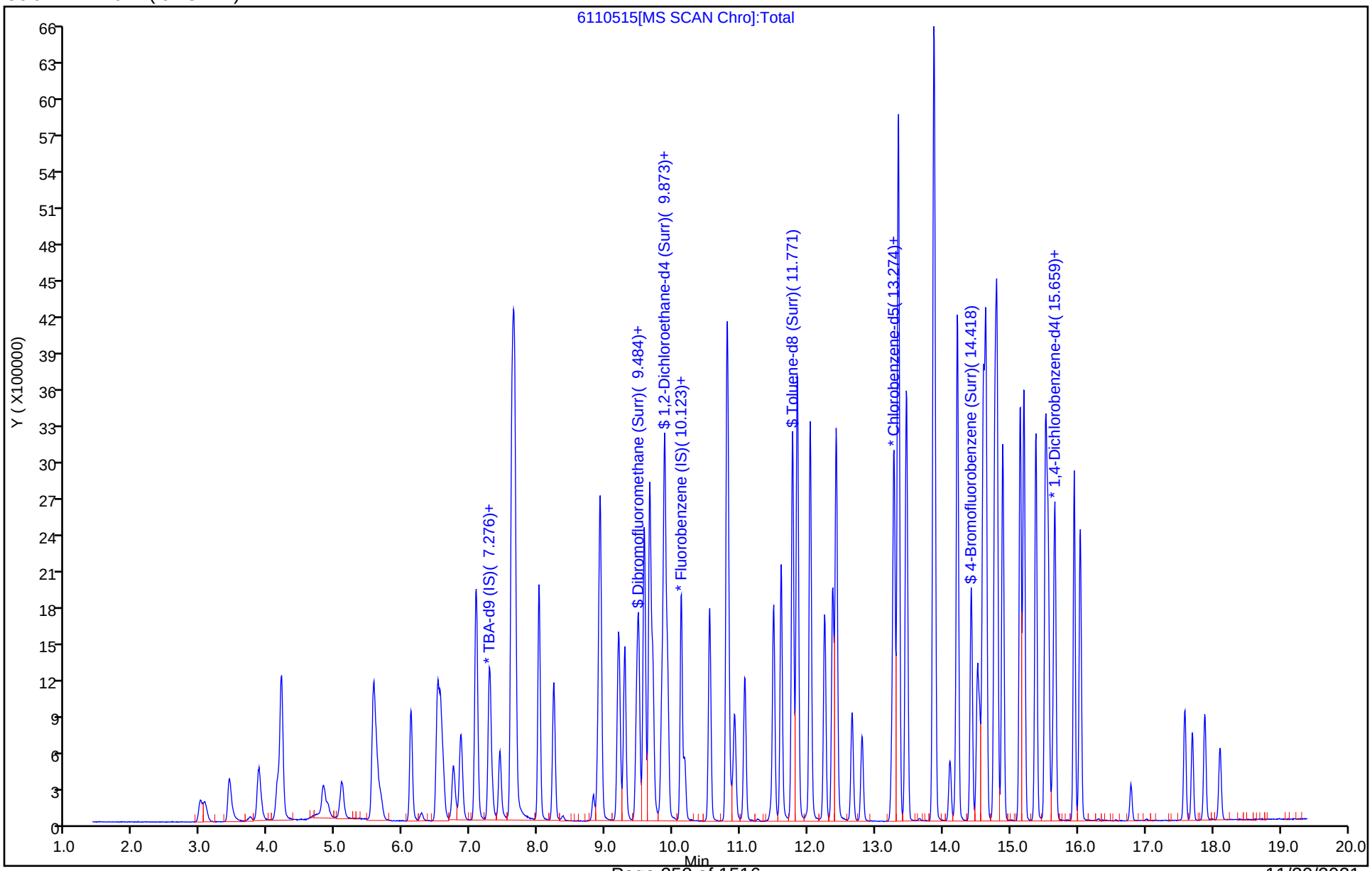
Report Date: 08-Nov-2020 13:31:45 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D

Injection Date:	05-Nov-2020 13:09:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2020 18:41:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-025
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Nov-2020 13:31:51 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	90	153503	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	399089	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	91	78244	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.635	15.629	0.006	97	91017	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.466	9.460	0.006	89	14705	5.00	8.70	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	83	24566	5.00	9.35	
$ 7 Toluene-d8 (Surr)	98	11.766	11.772	-0.006	95	45718	5.00	6.52	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	13827	5.00	5.94	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	88	15100	5.00	5.46	M
12 Chloromethane	50	3.863	3.857	0.006	67	18021	5.00	5.53	M
13 Vinyl chloride	62	4.155	4.137	0.018	31	14342	5.00	5.27	M
14 Butadiene	39	4.192	4.198	-0.006	96	22306	5.00	5.03	M
15 Bromomethane	94	4.873	4.837	0.036	36	9885	5.00	6.25	M
16 Chloroethane	64	5.086	5.105	-0.019	57	11007	5.00	5.95	
17 Dichlorofluoromethane	67	5.561	5.567	-0.006	96	24299	5.00	5.63	
18 Trichlorofluoromethane	101	5.591	5.597	-0.006	79	20380	5.00	5.45	
20 Ethyl ether	59	6.108	6.120	-0.012	96	9870	5.00	5.04	
22 1,1-Dichloroethene	96	6.497	6.504	-0.007	91	9528	5.00	5.39	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	74	12537	5.00	6.11	
24 Acetone	43	6.601	6.595	0.006	89	15200	25.0	18.0	
25 Iodomethane	142	6.747	6.741	0.006	97	13221	5.00	5.07	
26 Carbon disulfide	76	6.850	6.857	-0.007	98	29575	5.00	5.53	M
30 Methyl acetate	43	7.069	7.069	0.000	95	17788	10.0	10.0	M
29 3-Chloro-1-propene	76	7.081	7.082	-0.001	91	5735	5.00	5.14	
31 Methylene Chloride	84	7.282	7.276	0.006	95	24279	5.00	5.93	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	89	7780	50.0	43.3	
33 Acrylonitrile	53	7.623	7.617	0.006	98	46376	50.0	48.7	M
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	94	22607	5.00	4.68	
34 trans-1,2-Dichloroethene	96	7.665	7.660	0.005	91	13973	5.00	6.14	
36 Hexane	57	8.012	8.012	0.000	95	15606	5.00	4.48	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	85	23812	5.00	5.52	M
44 2-Butanone (MEK)	43	8.900	8.882	0.018	97	13993	25.0	12.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	88	14197	5.00	5.88	
42 2,2-Dichloropropane	97	8.937	8.925	0.012	88	3995	5.00	7.01	M
48 Chlorobromomethane	128	9.198	9.180	0.018	92	7039	5.00	6.55	
49 Tetrahydrofuran	42	9.217	9.211	0.006	42	5800	10.0	9.93	
50 Chloroform	83	9.271	9.284	-0.013	73	23020	5.00	5.80	M
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	93	18558	5.00	5.48	
52 Cyclohexane	56	9.570	9.570	0.000	92	16756	5.00	4.02	
54 1,1-Dichloropropene	75	9.643	9.649	-0.006	84	12438	5.00	4.17	
53 Carbon tetrachloride	117	9.661	9.661	0.000	95	14422	5.00	5.30	M
55 Isobutyl alcohol	41	9.697	9.698	-0.001	23	6302	125.0	87.1	
56 Benzene	78	9.874	9.880	-0.006	96	44151	5.00	4.77	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	98	17919	5.00	5.23	
59 n-Heptane	43	10.111	10.117	-0.006	68	9622	5.00	3.91	
61 Trichloroethene	130	10.537	10.543	-0.006	94	11858	5.00	5.37	
63 Methylcyclohexane	83	10.792	10.793	-0.001	83	13582	5.00	5.28	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	73	12607	5.00	5.13	
65 1,4-Dioxane	88	10.865	10.859	0.006	44	1282	100.0	68.9	
67 Dibromomethane	93	10.920	10.908	0.012	92	6515	5.00	5.55	
68 Dichlorobromomethane	83	11.054	11.060	-0.006	94	12293	5.00	4.79	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	90	11209	5.00	4.45	
72 4-Methyl-2-pentanone (MIBK)	43	11.608	11.602	0.006	94	11808	25.0	24.8	
73 Toluene	91	11.839	11.839	0.000	97	35382	5.00	4.03	
75 Ethyl methacrylate	69	12.039	12.034	0.005	60	5124	5.00	5.02	M
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	92	9921	5.00	4.27	
76 1,1,2-Trichloroethane	97	12.252	12.247	0.006	93	9031	5.00	5.32	
77 Tetrachloroethene	164	12.362	12.368	-0.006	92	8280	5.00	4.95	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	13613	5.00	4.36	
79 2-Hexanone	43	12.417	12.417	0.000	51	7721	25.0	25.0	M
81 Chlorodibromomethane	129	12.660	12.654	0.006	82	7582	5.00	5.25	
82 Ethylene Dibromide	107	12.806	12.800	0.006	42	8467	5.00	5.48	
84 Chlorobenzene	112	13.280	13.275	0.005	92	24074	5.00	4.58	
87 Ethylbenzene	106	13.341	13.342	-0.001	97	9877	5.00	5.35	M
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	50	8640	5.00	5.07	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	97	11890	5.00	5.89	M
89 o-Xylene	106	13.858	13.865	-0.007	95	10516	5.00	3.54	
90 Styrene	104	13.883	13.877	0.006	82	13582	5.00	6.60	
91 Bromoform	173	14.096	14.102	-0.006	37	3513	5.00	5.31	M
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	24744	5.00	5.13	
96 1,1,2,2-Tetrachloroethane	83	14.522	14.516	0.006	92	8747	5.00	4.78	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.546	-0.012	1	1691	5.00	5.45	M
98 1,2,3-Trichloropropane	110	14.588	14.595	-0.007	64	3283	5.00	5.60	
95 Bromobenzene	156	14.607	14.601	0.006	89	7521	5.00	4.58	M
99 N-Propylbenzene	120	14.631	14.637	-0.006	97	4800	5.00	5.02	M
100 2-Chlorotoluene	126	14.777	14.771	0.006	94	6566	5.00	4.09	M
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	15922	5.00	5.12	M
103 4-Chlorotoluene	126	14.874	14.887	-0.013	96	6354	5.00	3.86	M
104 tert-Butylbenzene	119	15.142	15.148	-0.006	94	14657	5.00	5.03	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	96	15223	5.00	5.15	
108 sec-Butylbenzene	105	15.379	15.379	0.000	93	18392	5.00	5.04	
110 4-Isopropyltoluene	119	15.525	15.526	-0.001	97	14002	5.00	6.44	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	95	14897	5.00	4.98	
111 1,4-Dichlorobenzene	146	15.671	15.659	0.012	72	15882	5.00	5.23	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	11580	5.00	5.39	
117 1,2-Dichlorobenzene	146	16.042	16.037	0.006	93	11370	5.00	4.34	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	1	778	5.00	4.72	
122 1,2,4-Trichlorobenzene	180	17.588	17.582	0.006	16	3493	5.00	5.24	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	83	2681	5.00	5.03	
124 Naphthalene	128	17.886	17.880	0.006	1	2810	5.00	4.60	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	1	1353	5.00	3.88	
S 130 1,2-Dichloroethene, Total	96				0		10.0	12.0	
S 131 Xylenes, Total	106				0		10.0	9.43	
S 154 Total BTEX	1				0		25.0	23.6	
S 132 1,3-Dichloropropene, Total	1				0		10.0	8.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VOA8260VOAPRi_00429	Amount Added:	0.20	Units: uL
VOAKETPRI_00005	Amount Added:	0.80	Units: uL
VOA8260SURR_00112	Amount Added:	0.20	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

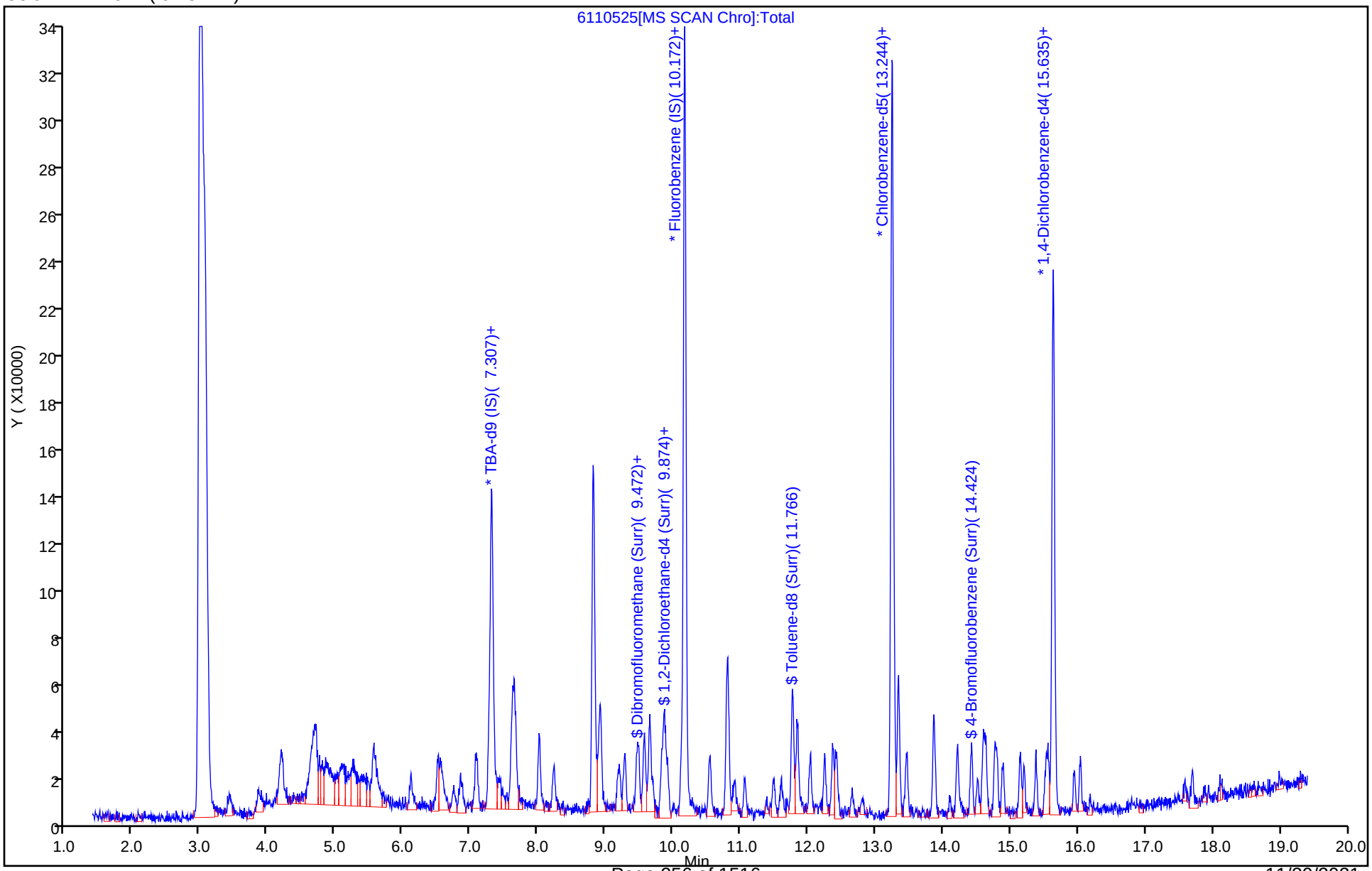
Report Date: 08-Nov-2020 13:31:54 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

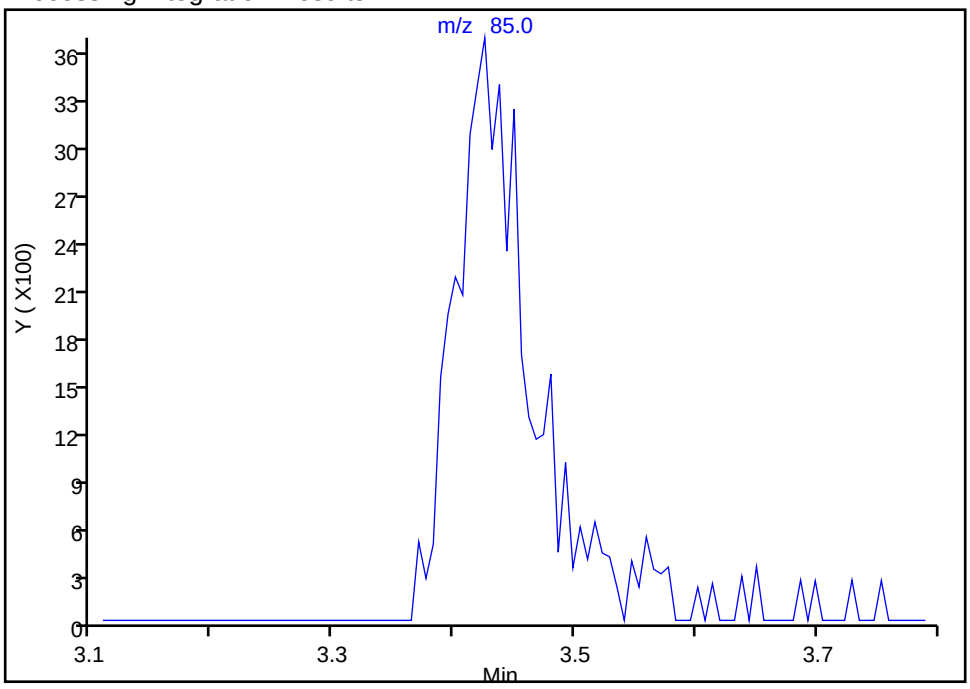
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

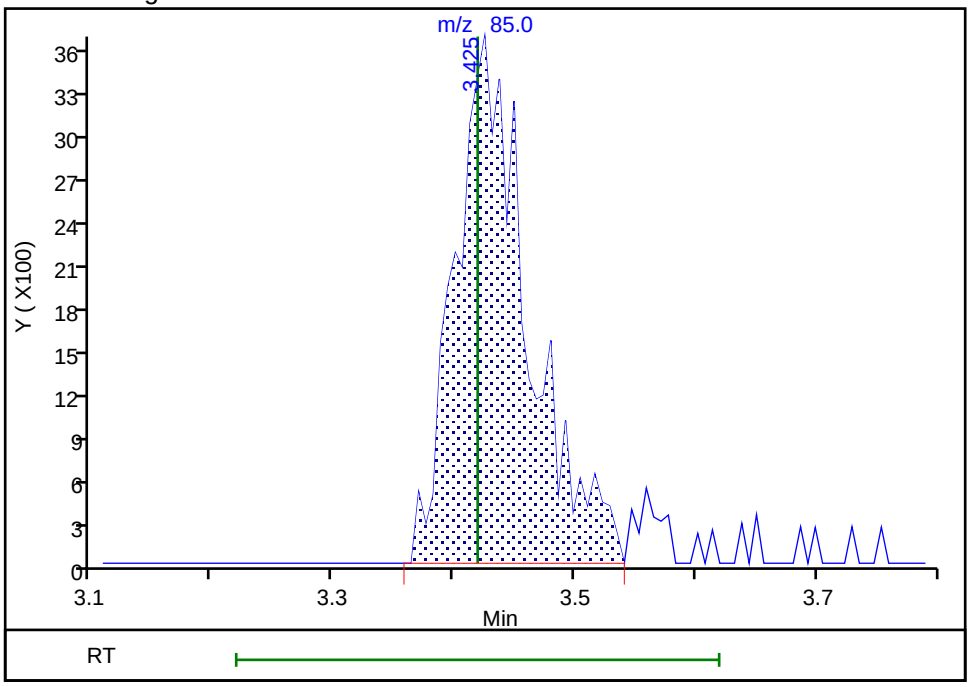
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 15100
Amount: 5.460628
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

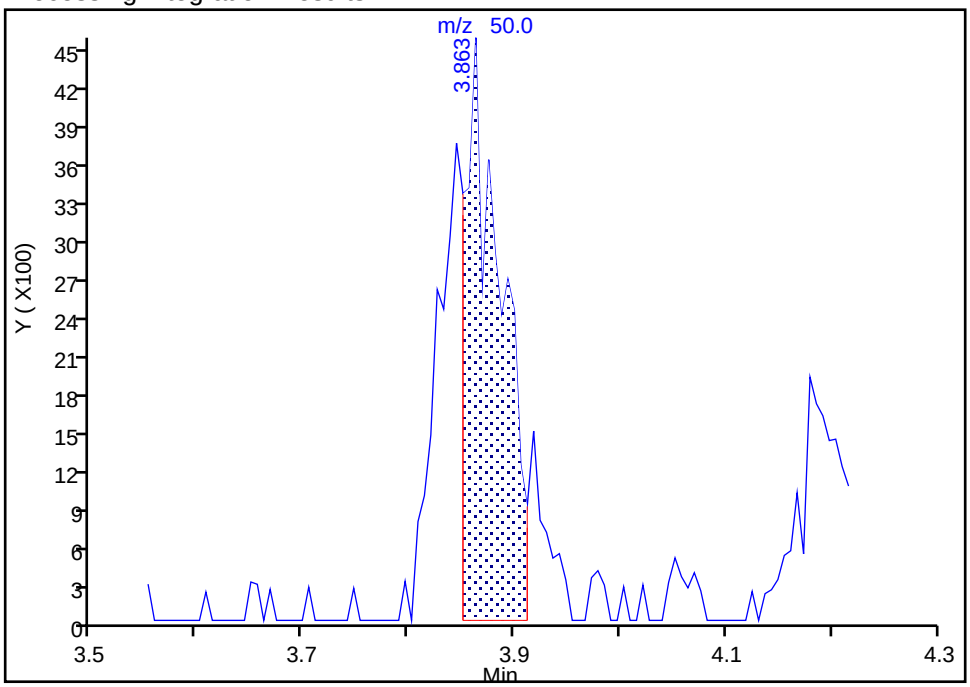
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

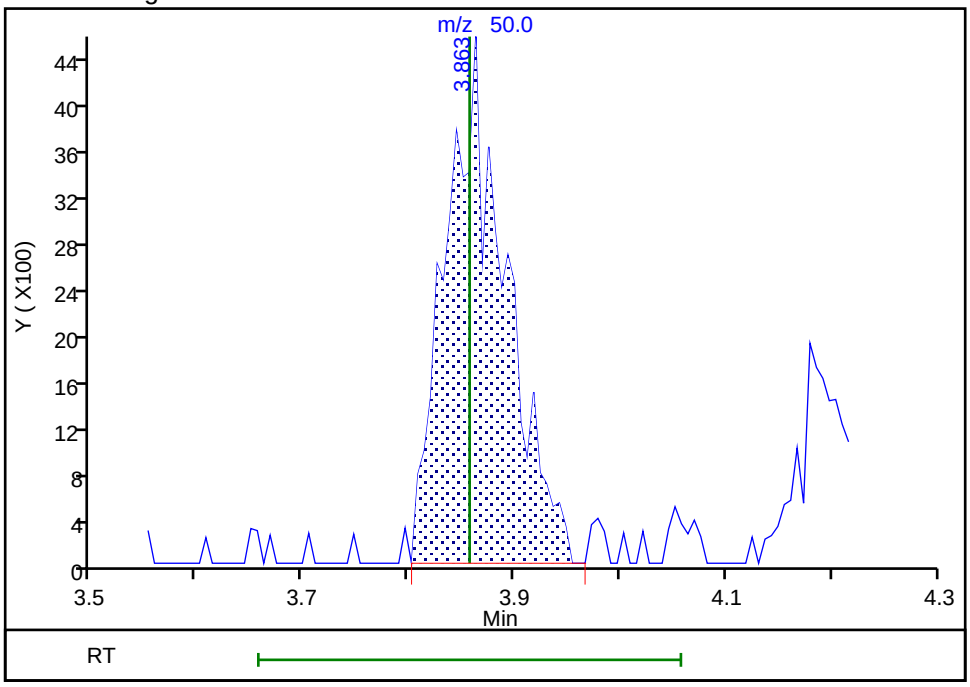
Processing Integration Results

RT: 3.86
Area: 10957
Amount: 0.389563
Amount Units: ng



Manual Integration Results

RT: 3.86
Area: 18021
Amount: 5.527195
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:47

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

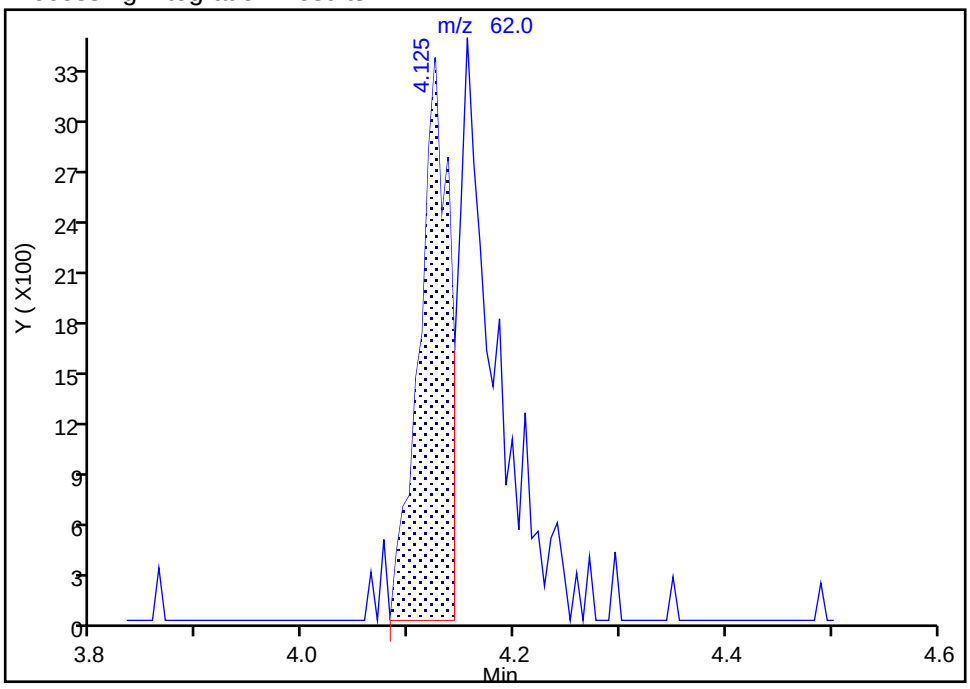
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

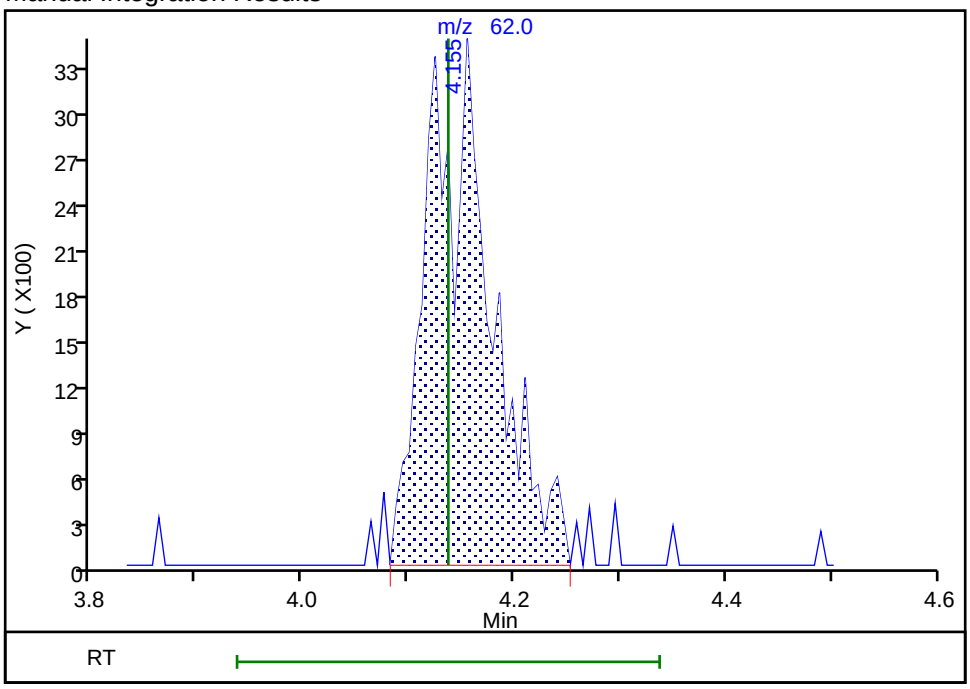
Processing Integration Results

RT: 4.12
Area: 6446
Amount: 0.272857
Amount Units: ng



Manual Integration Results

RT: 4.16
Area: 14342
Amount: 5.274053
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:56

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

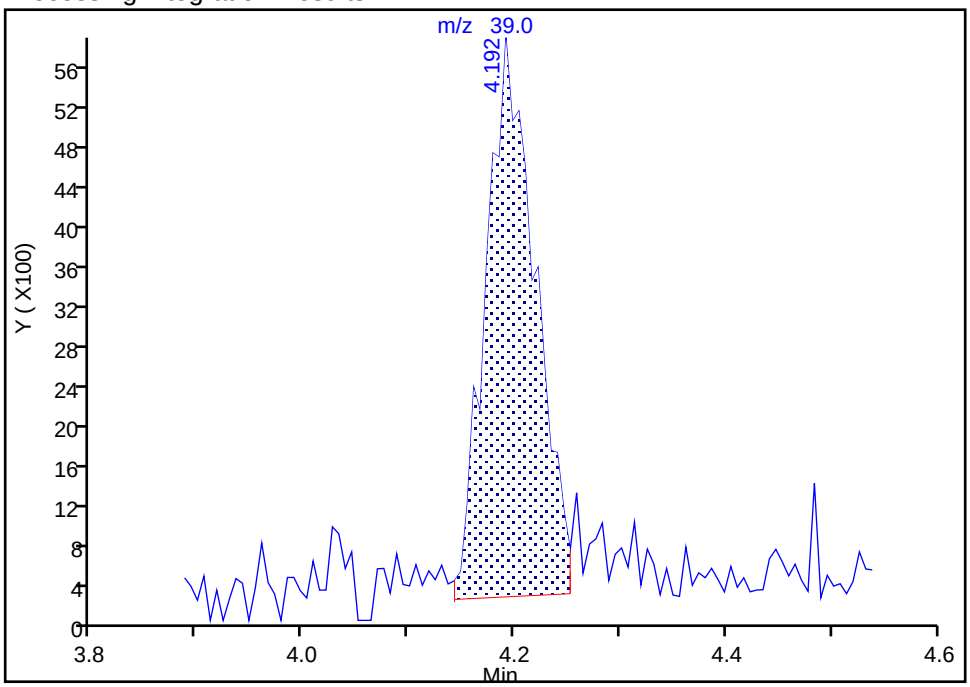
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Signal: 1

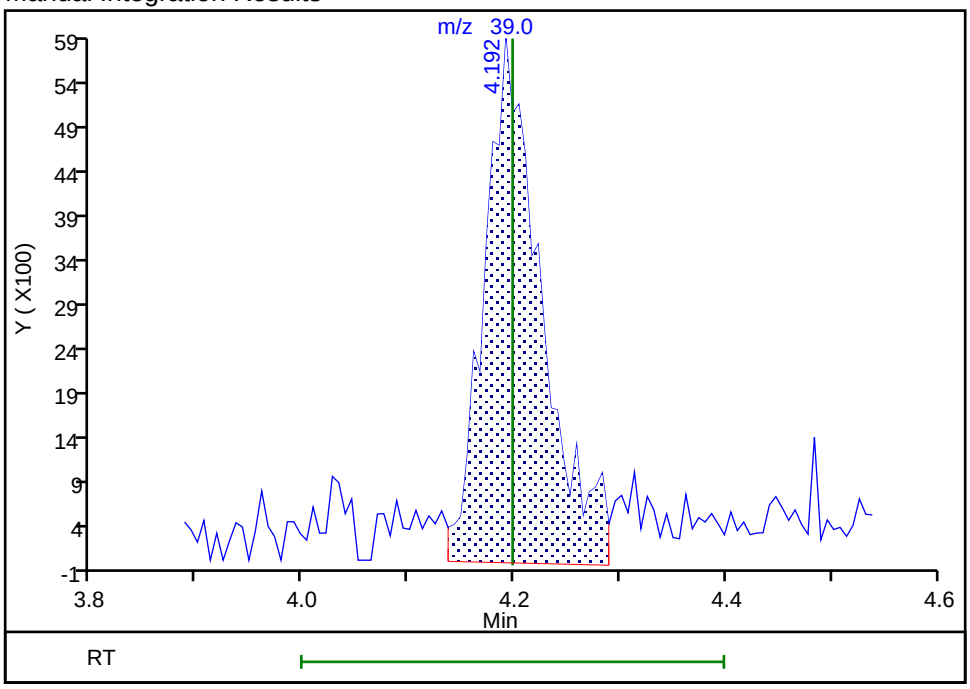
Processing Integration Results

RT: 4.19
Area: 18432
Amount: 0.677579
Amount Units: ng



Manual Integration Results

RT: 4.19
Area: 22306
Amount: 5.030336
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:07

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

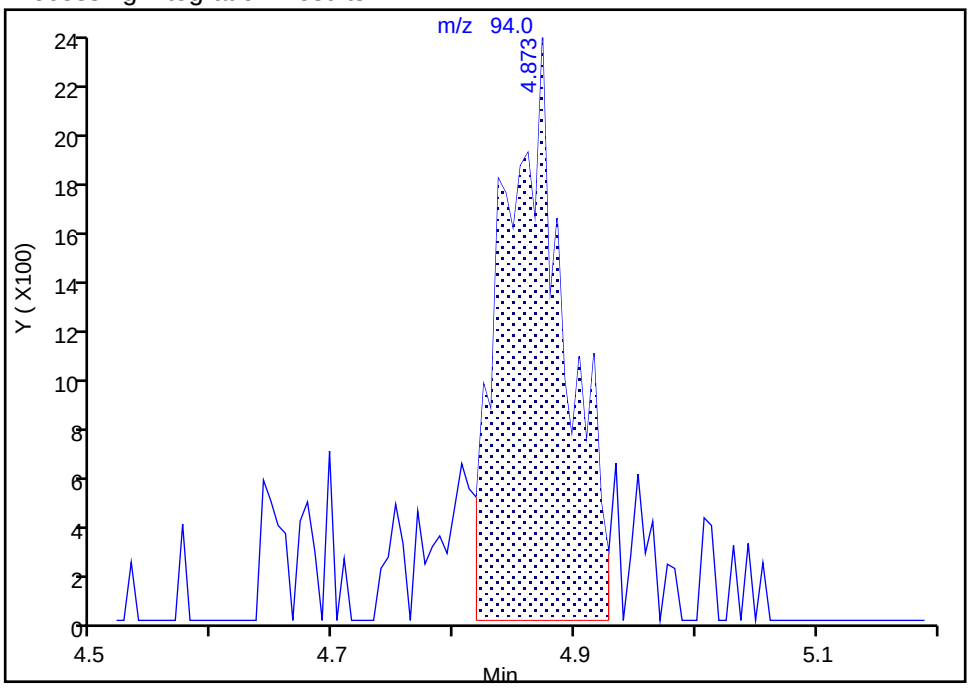
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Signal: 1

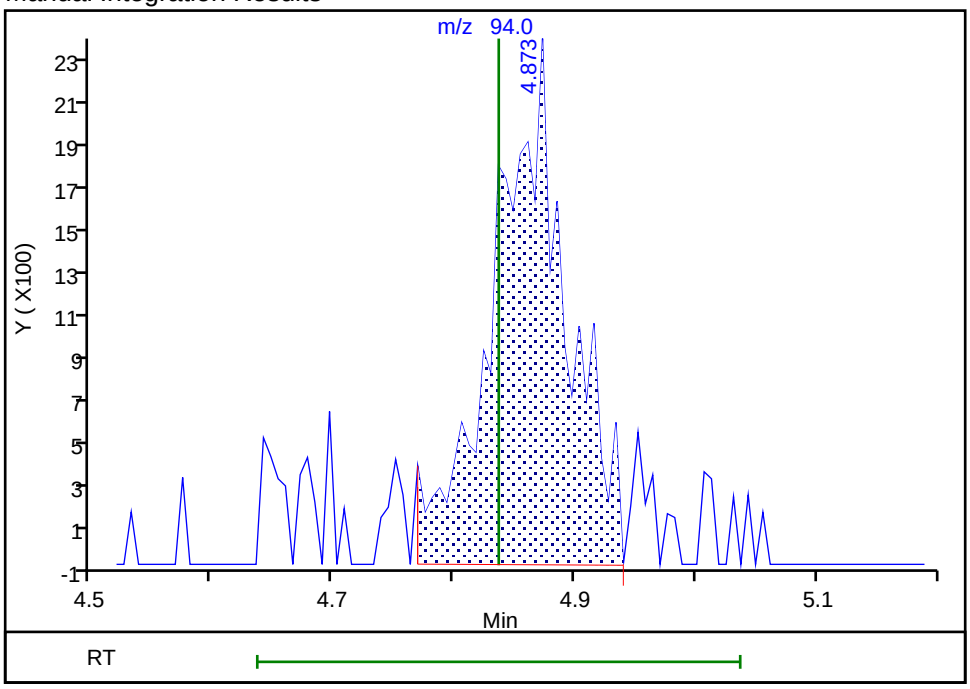
Processing Integration Results

RT: 4.87
Area: 8477
Amount: 3.597116
Amount Units: ng



Manual Integration Results

RT: 4.87
Area: 9885
Amount: 6.252851
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:18:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

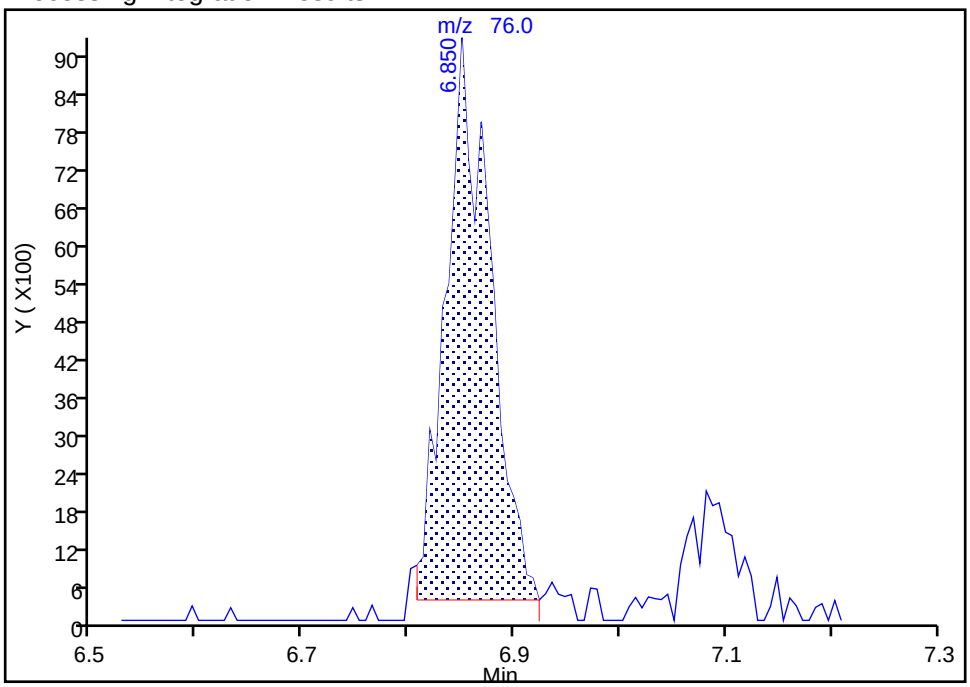
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

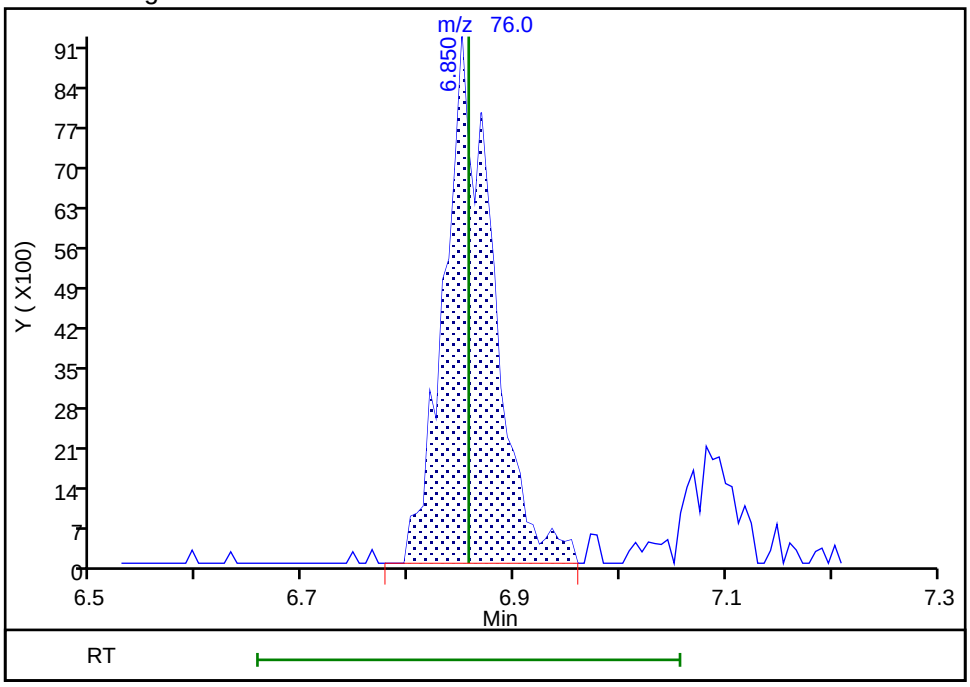
Processing Integration Results

RT: 6.85
Area: 26084
Amount: 0.564958
Amount Units: ng



Manual Integration Results

RT: 6.85
Area: 29575
Amount: 5.528208
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

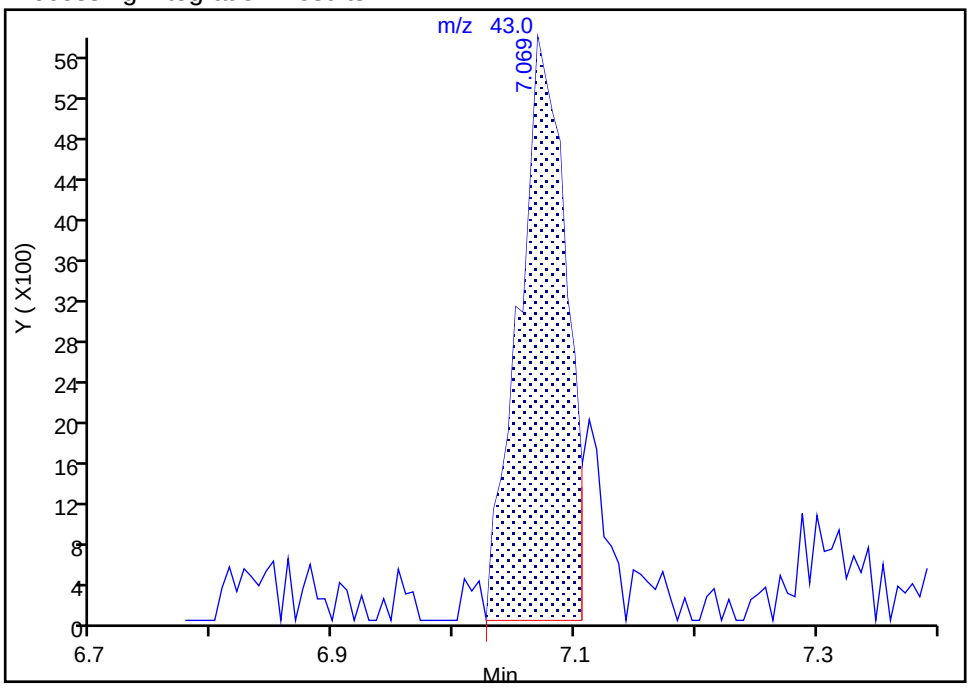
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

30 Methyl acetate, CAS: 79-20-9

Signal: 1

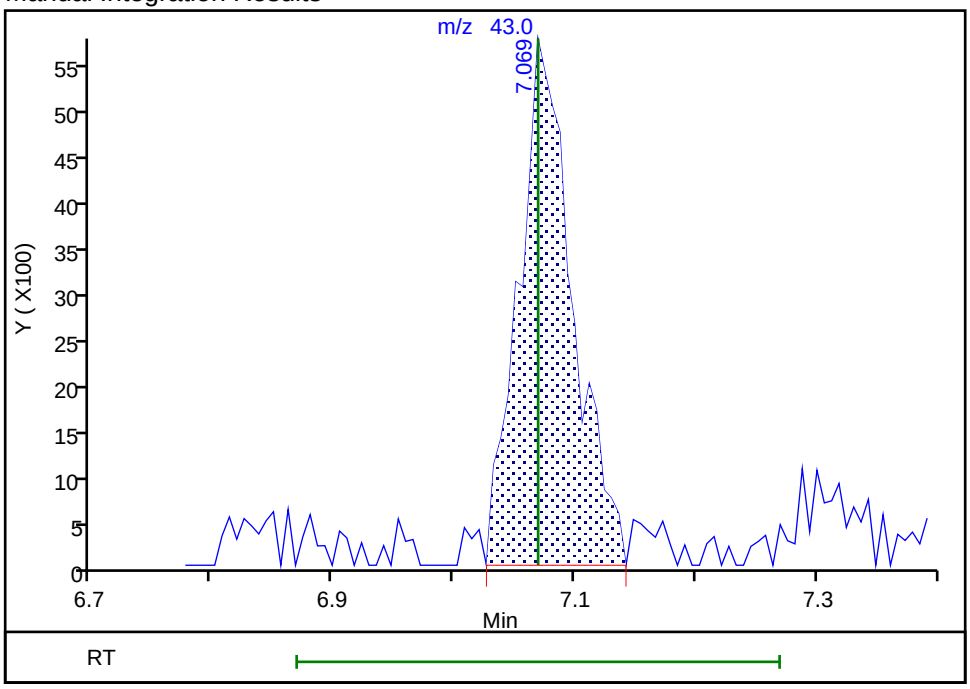
Processing Integration Results

RT: 7.07
Area: 15679
Amount: 1.008185
Amount Units: ng



Manual Integration Results

RT: 7.07
Area: 17788
Amount: 10.018241
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:27

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

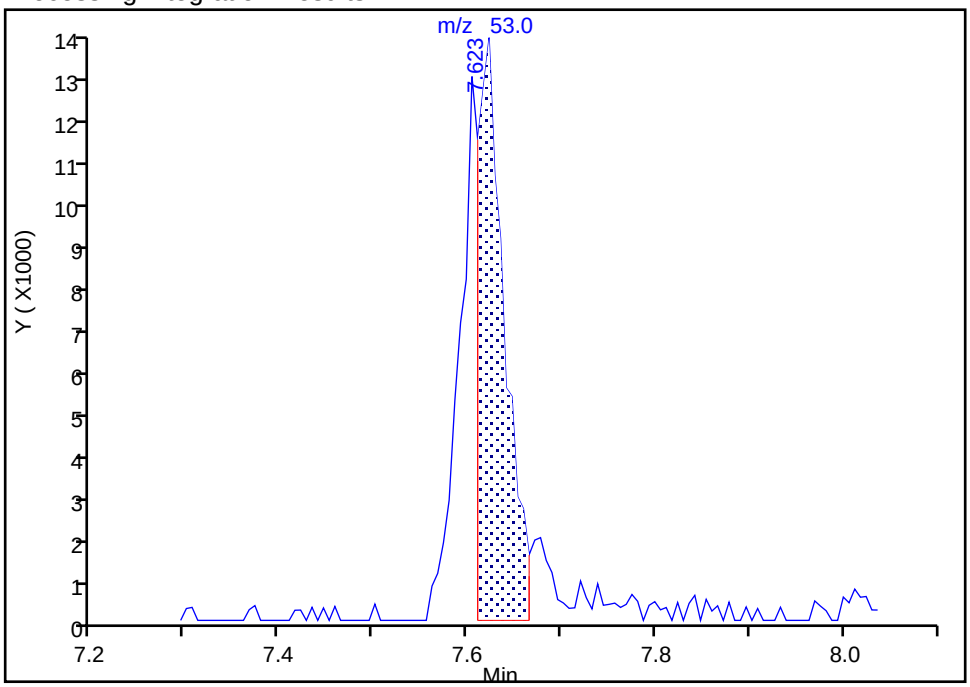
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

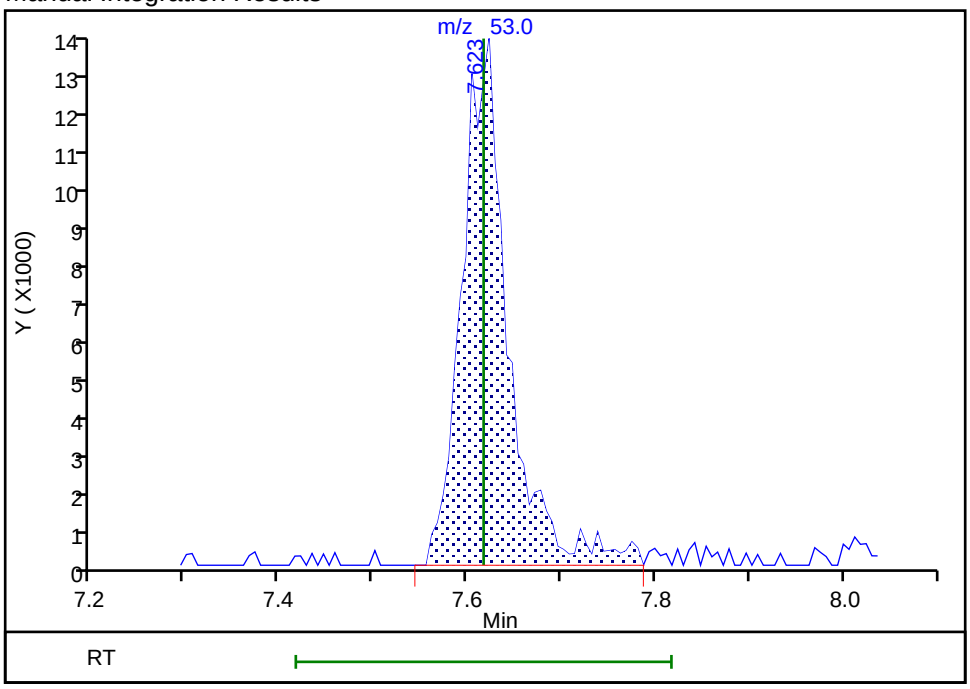
Processing Integration Results

RT: 7.62
Area: 27170
Amount: 3.243631
Amount Units: ng



Manual Integration Results

RT: 7.62
Area: 46376
Amount: 48.668164
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

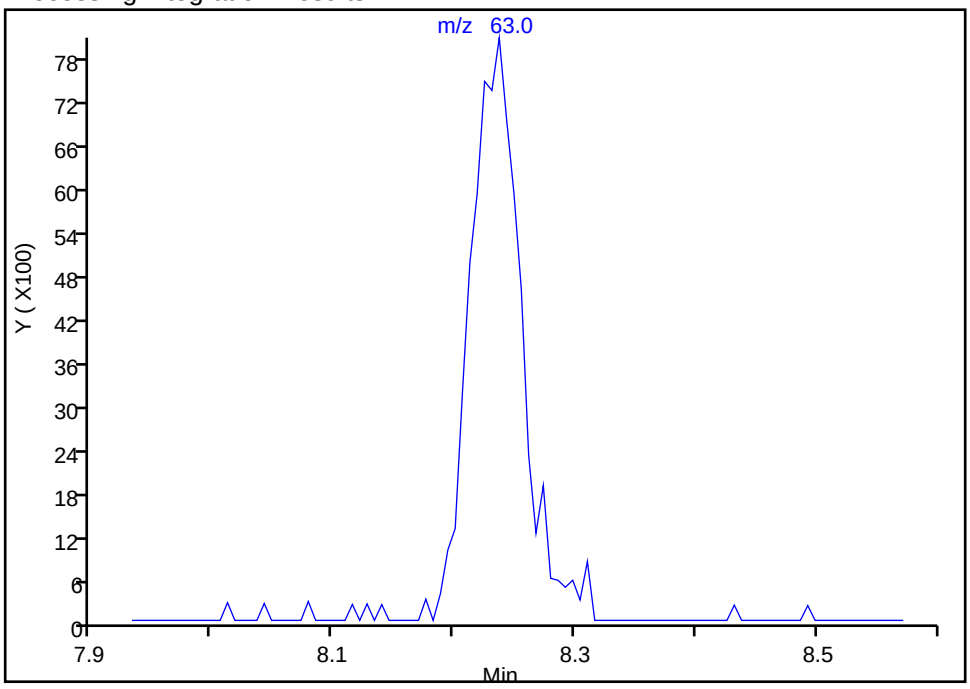
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

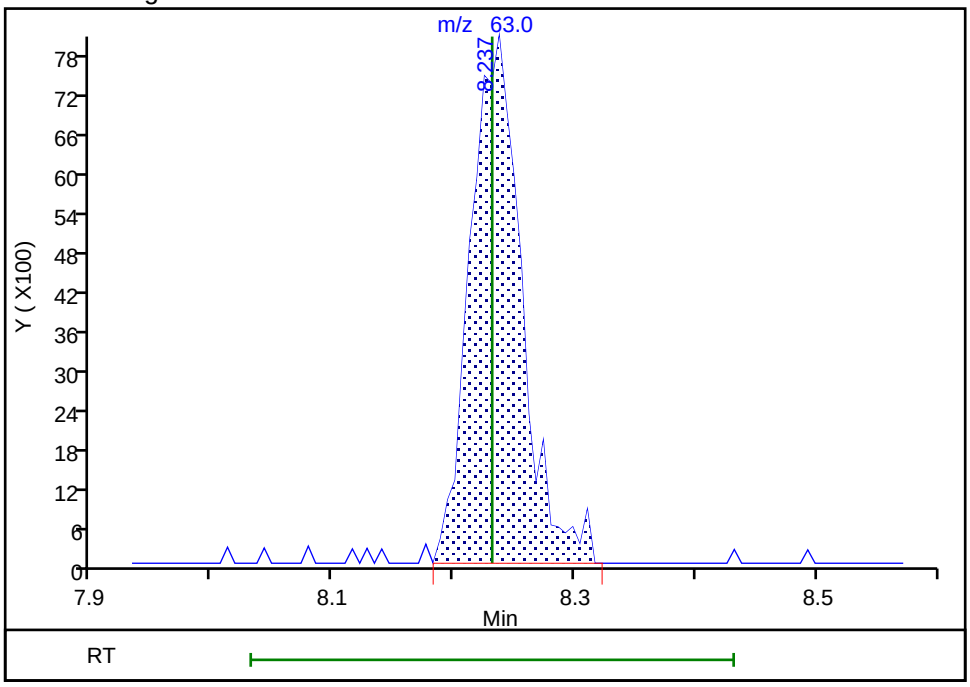
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 23812
Amount: 5.524621
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

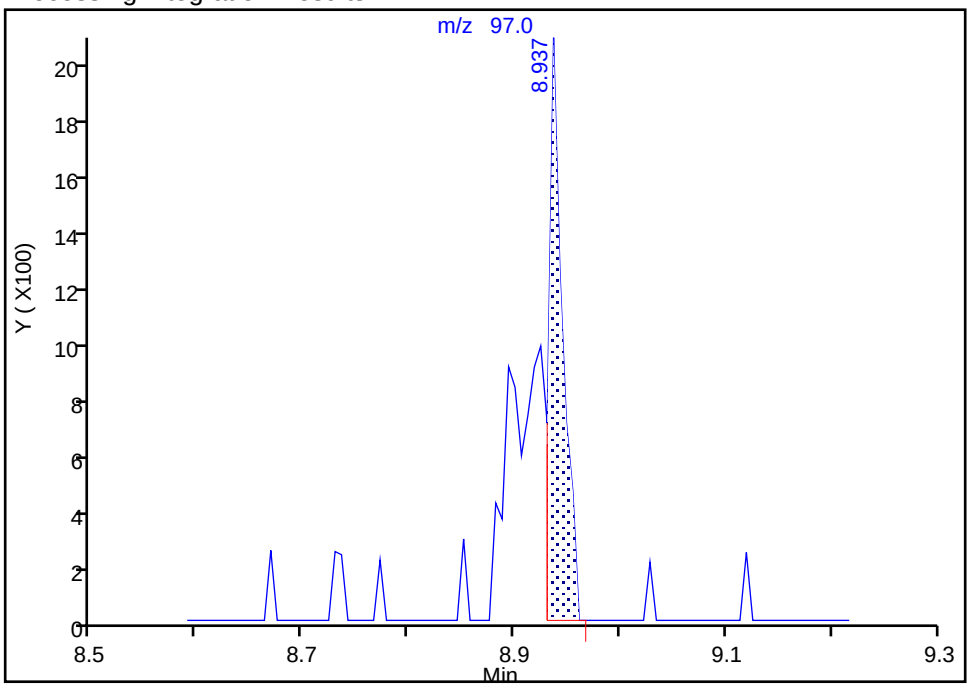
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

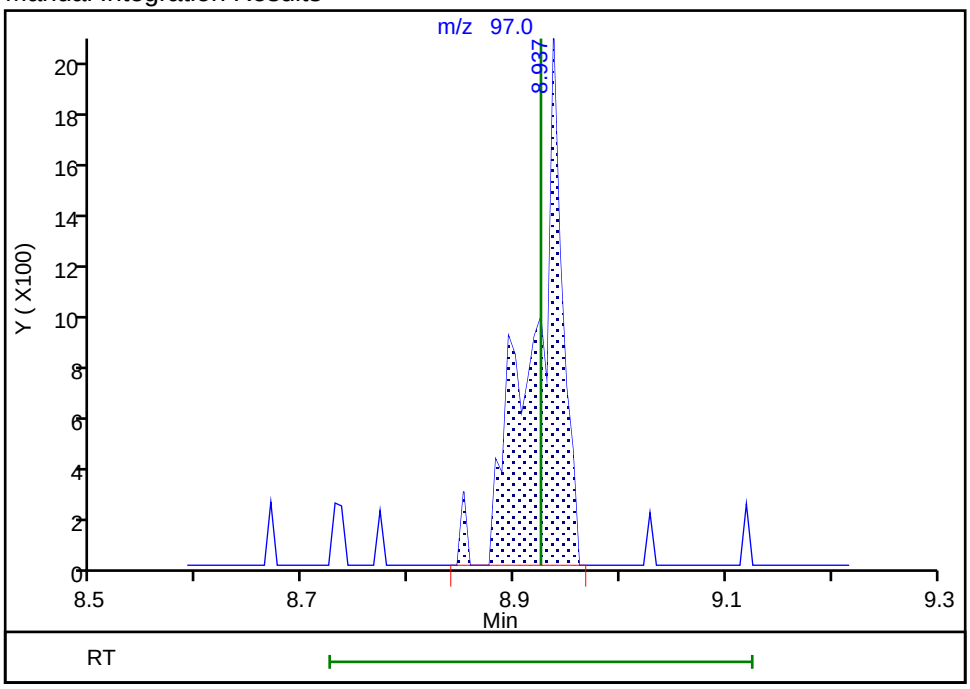
Processing Integration Results

RT: 8.94
Area: 1851
Amount: 0.393139
Amount Units: ng



Manual Integration Results

RT: 8.94
Area: 3995
Amount: 7.005843
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

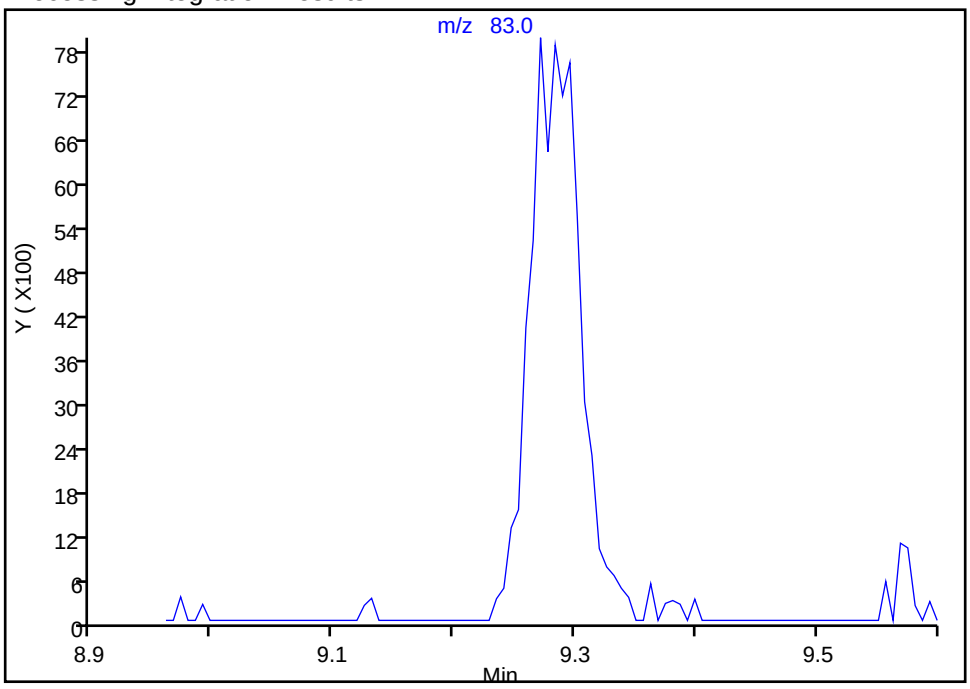
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

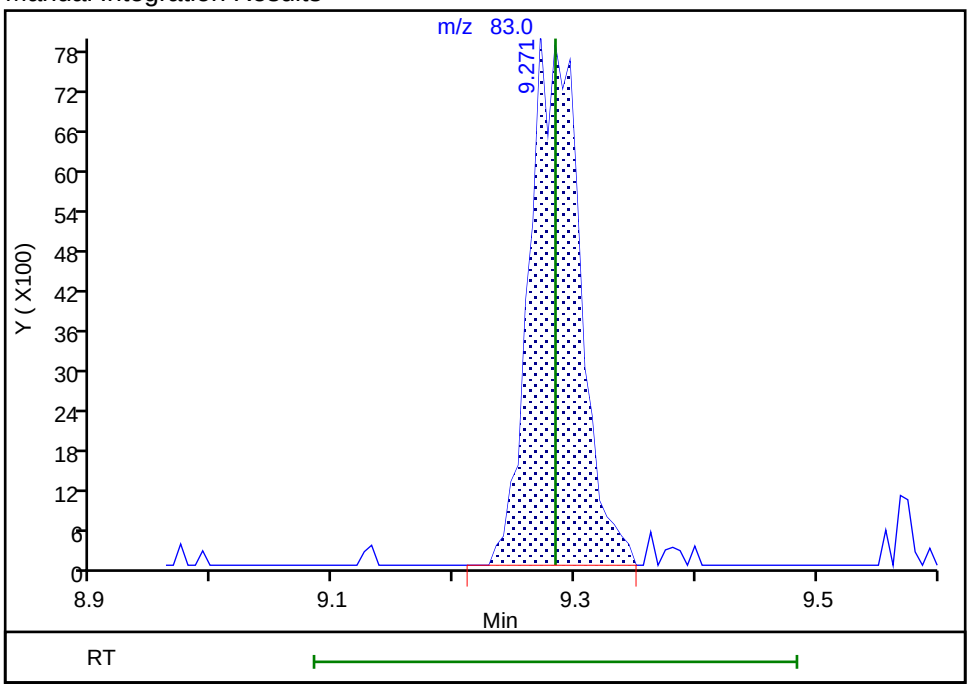
Not Detected
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.27
Area: 23020
Amount: 5.797946
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

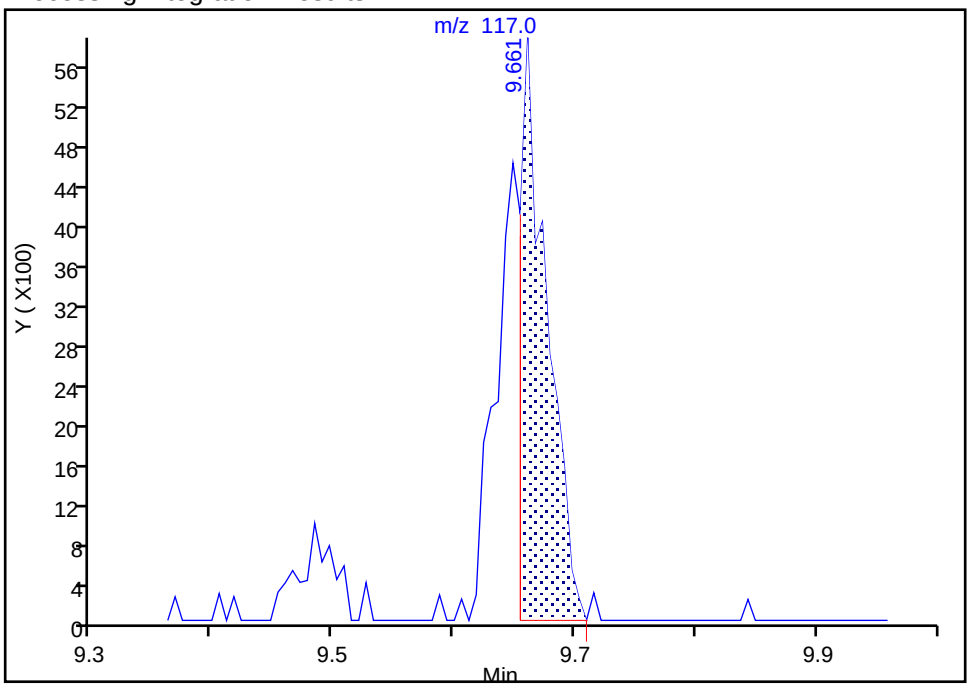
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

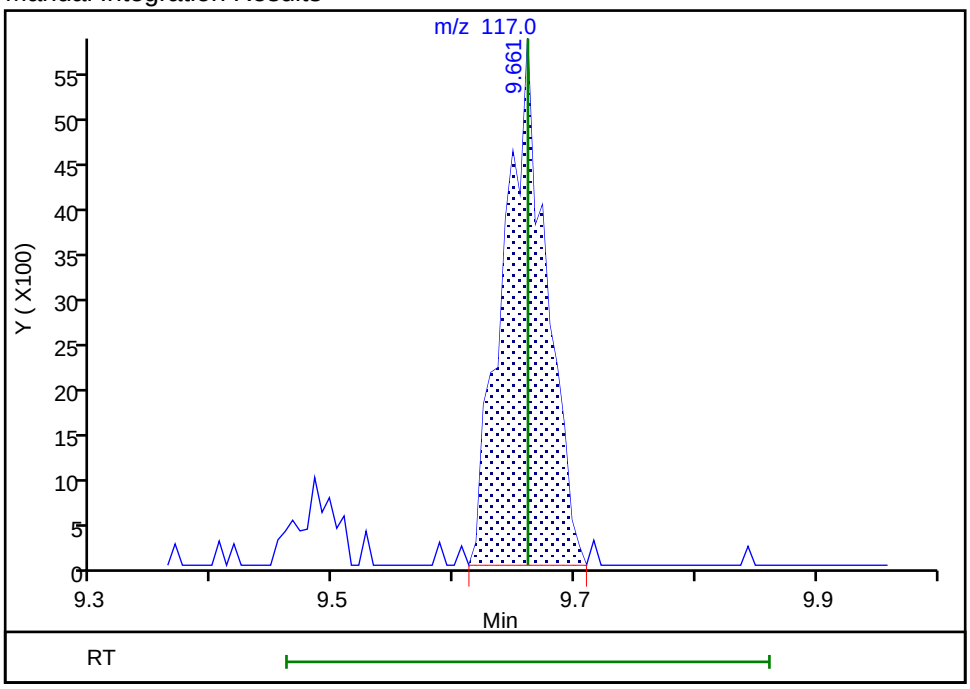
Processing Integration Results

RT: 9.66
Area: 9032
Amount: 0.381879
Amount Units: ng



Manual Integration Results

RT: 9.66
Area: 14422
Amount: 5.295505
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

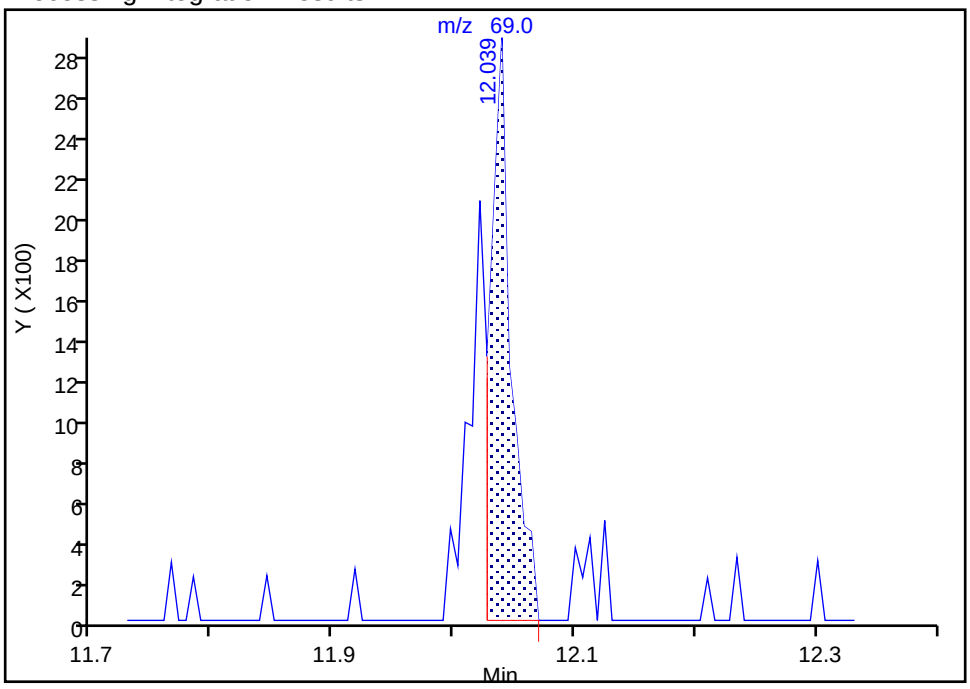
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

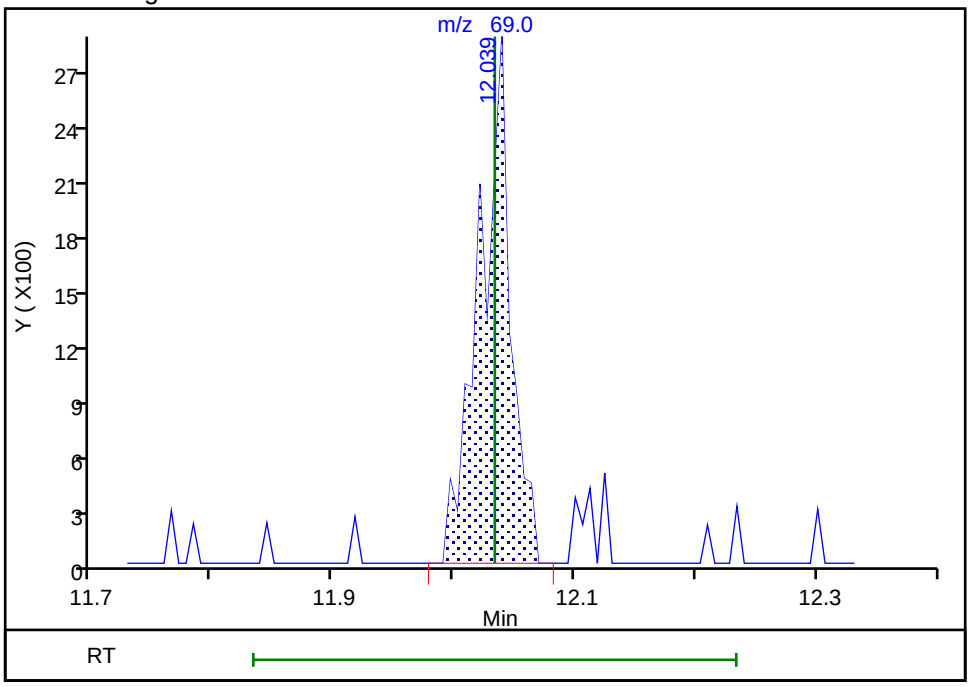
Processing Integration Results

RT: 12.04
Area: 3404
Amount: 18.470453
Amount Units: ng



Manual Integration Results

RT: 12.04
Area: 5124
Amount: 5.016277
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

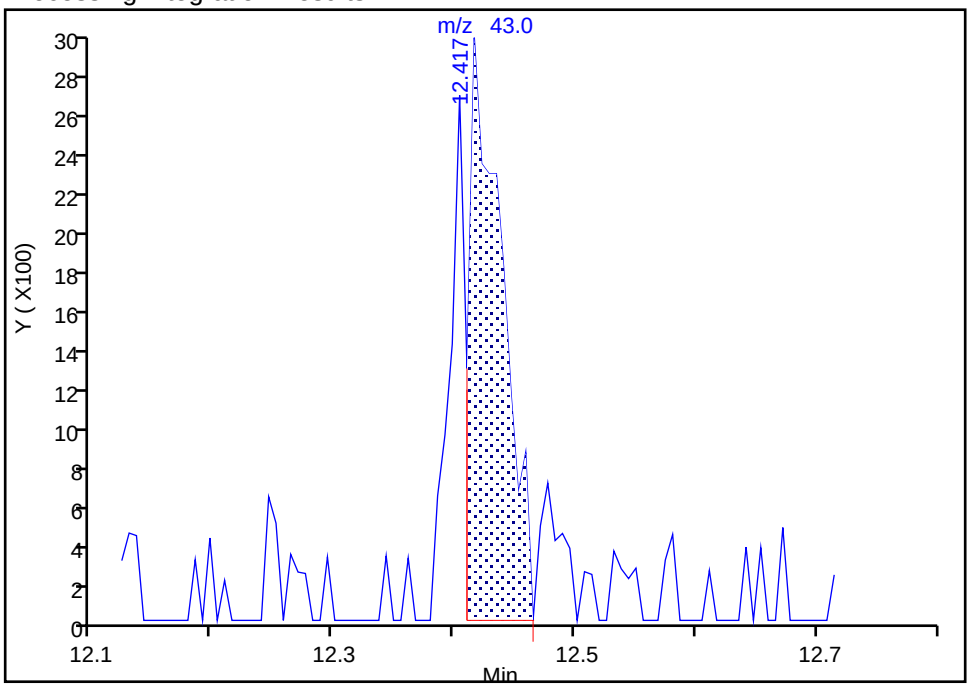
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

79 2-Hexanone, CAS: 591-78-6

Signal: 1

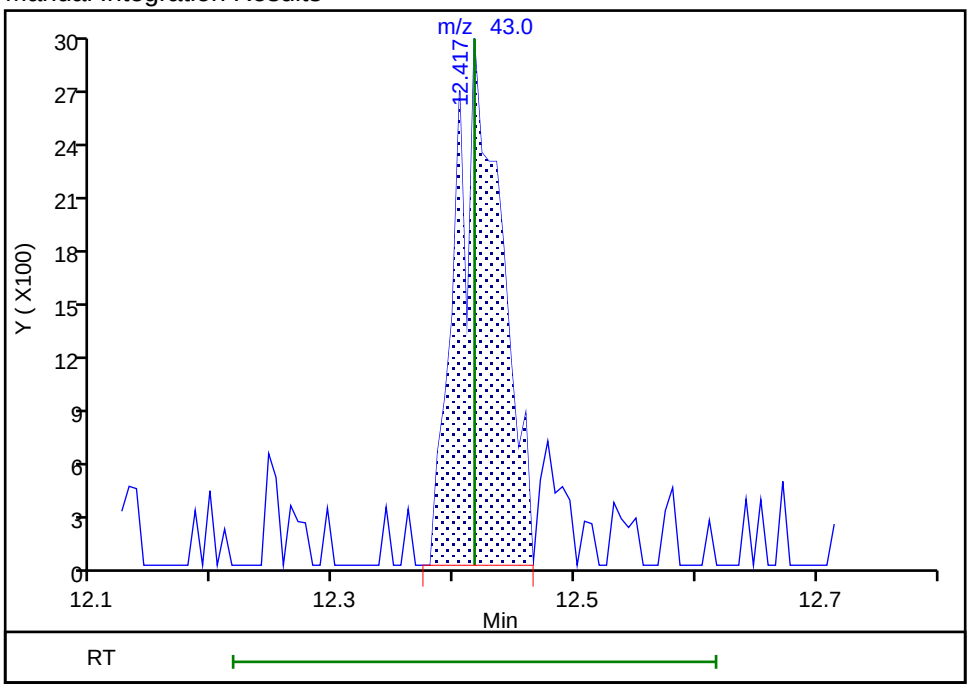
Processing Integration Results

RT: 12.42
Area: 5664
Amount: 34.637247
Amount Units: ng



Manual Integration Results

RT: 12.42
Area: 7721
Amount: 25.009587
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

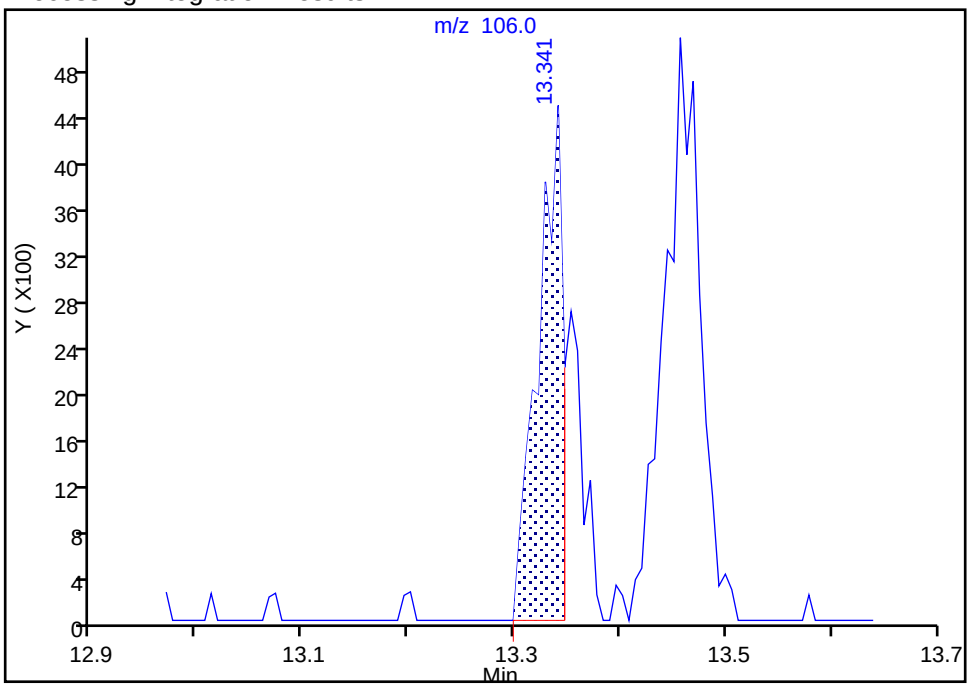
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

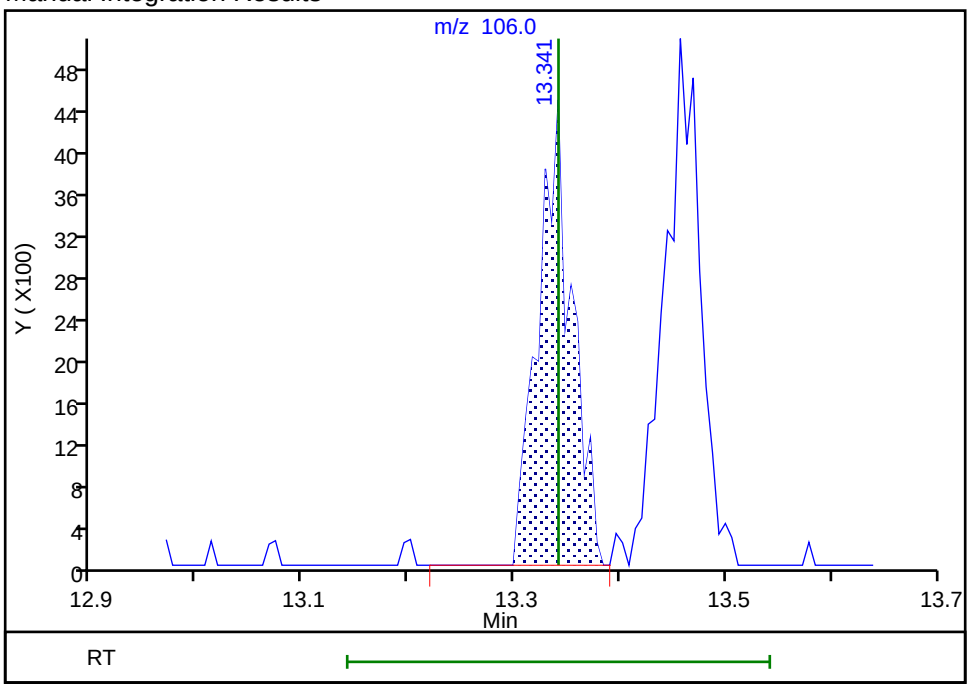
Processing Integration Results

RT: 13.34
Area: 7226
Amount: 13.122935
Amount Units: ng



Manual Integration Results

RT: 13.34
Area: 9877
Amount: 5.348616
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

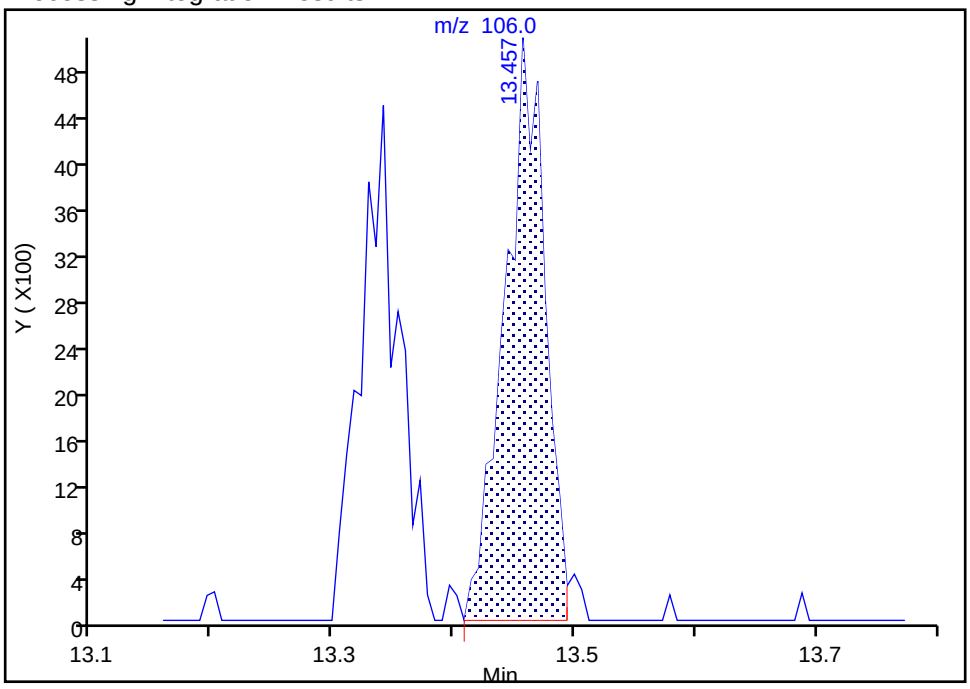
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

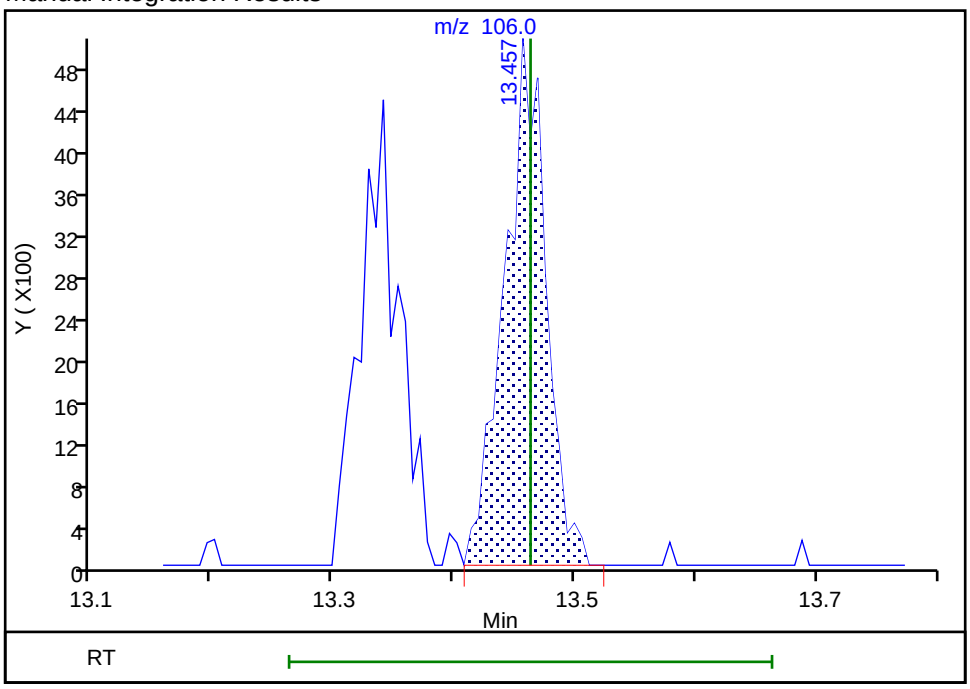
Processing Integration Results

RT: 13.46
Area: 11646
Amount: 16.362288
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 11890
Amount: 5.887911
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

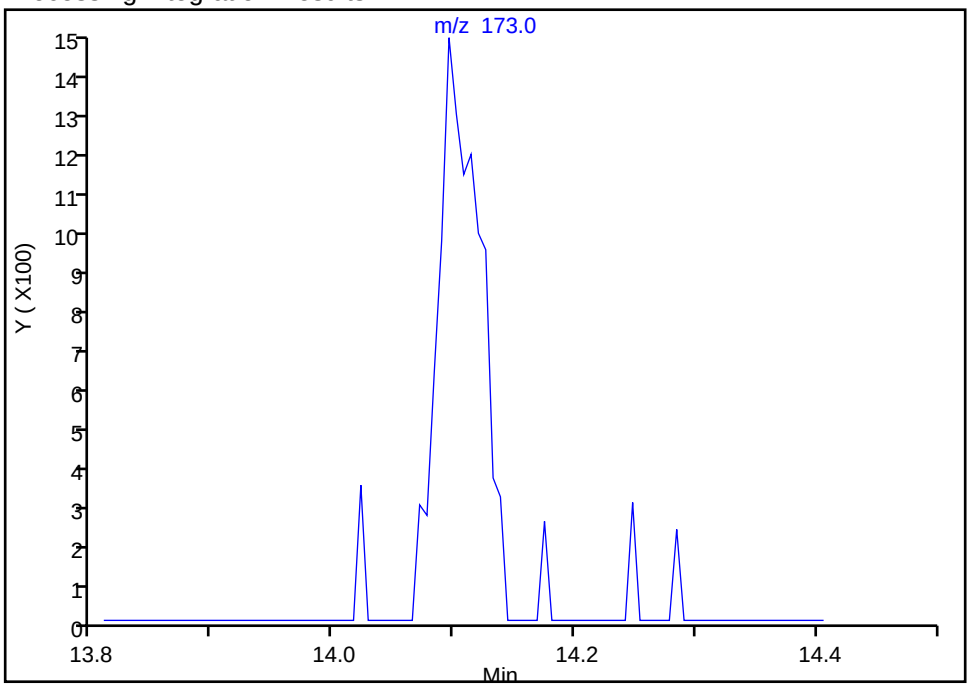
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Bromoform, CAS: 75-25-2

Signal: 1

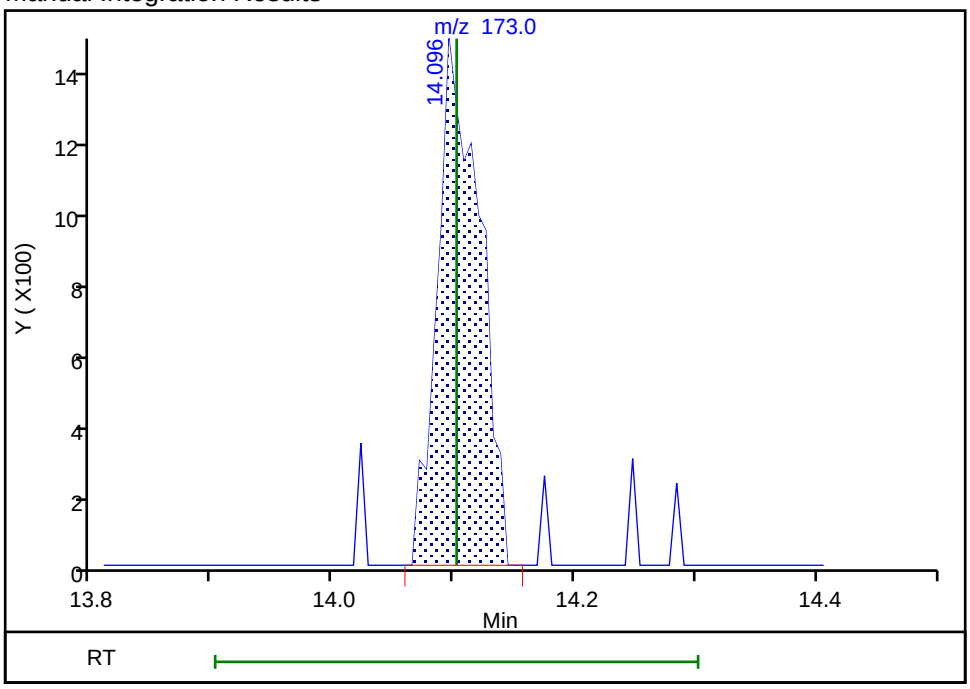
Not Detected
Expected RT: 14.10

Processing Integration Results



Manual Integration Results

RT: 14.10
Area: 3513
Amount: 5.305106
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

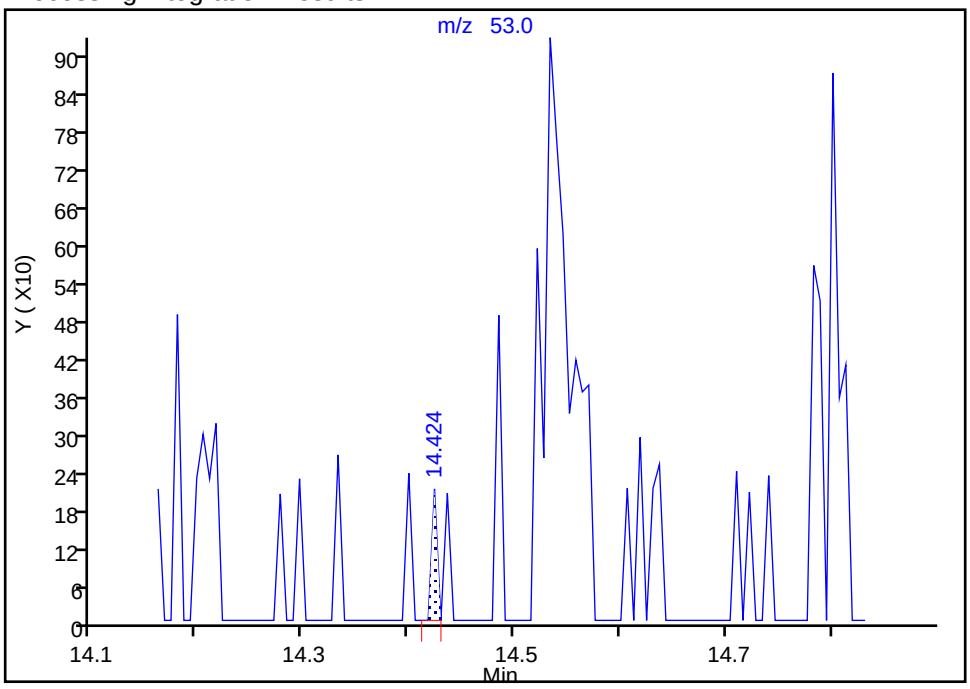
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

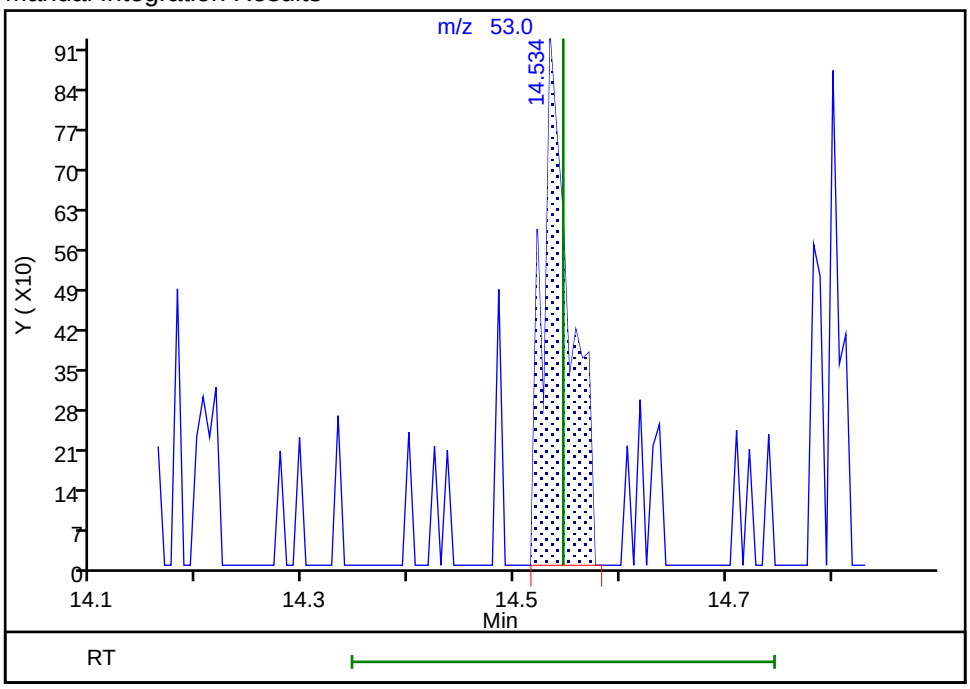
Processing Integration Results

RT: 14.42
Area: 76
Amount: 12.901340
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 1691
Amount: 5.447249
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:51

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

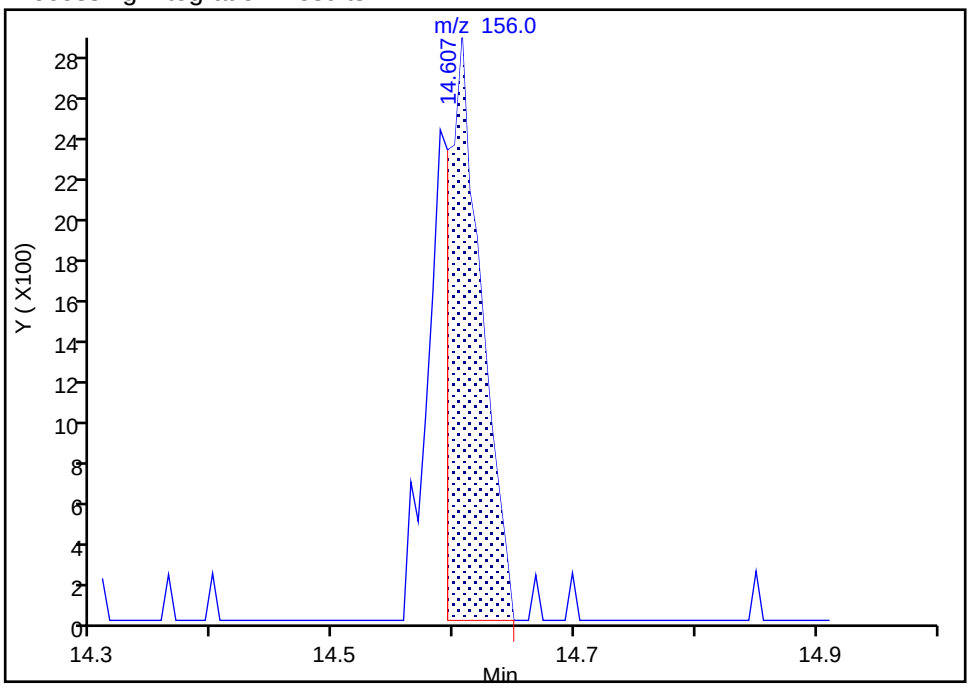
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 Bromobenzene, CAS: 108-86-1

Signal: 1

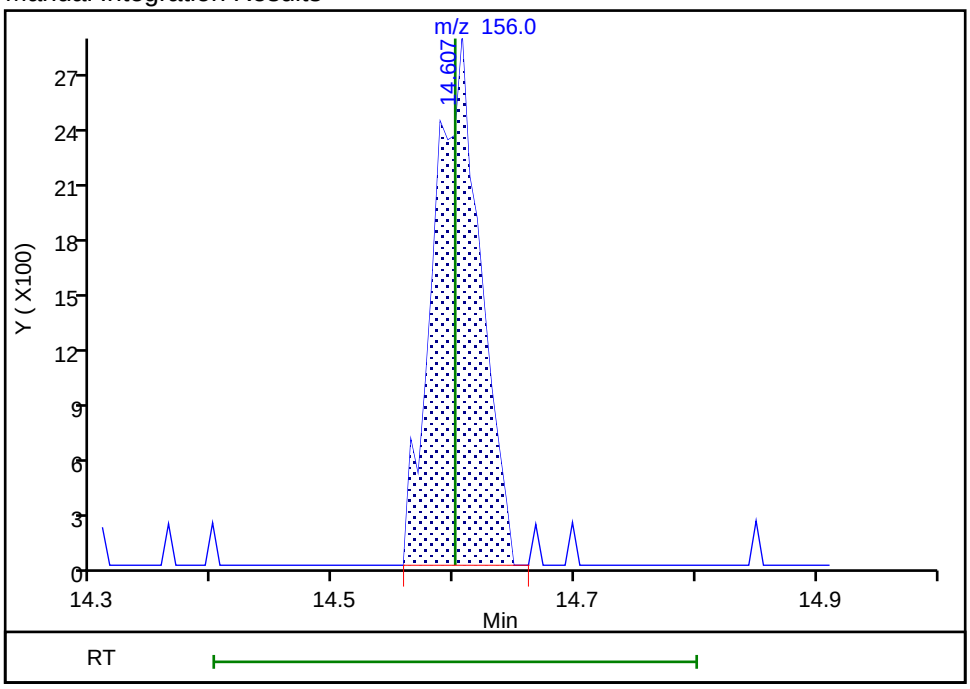
Processing Integration Results

RT: 14.61
Area: 5310
Amount: 0.364440
Amount Units: ng



Manual Integration Results

RT: 14.61
Area: 7521
Amount: 4.575572
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

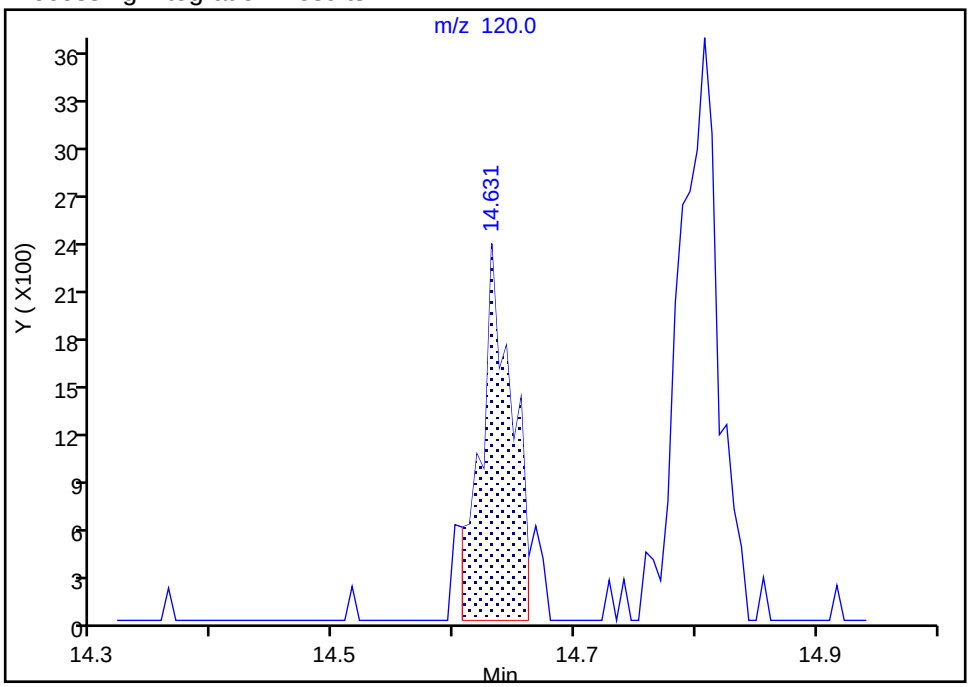
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

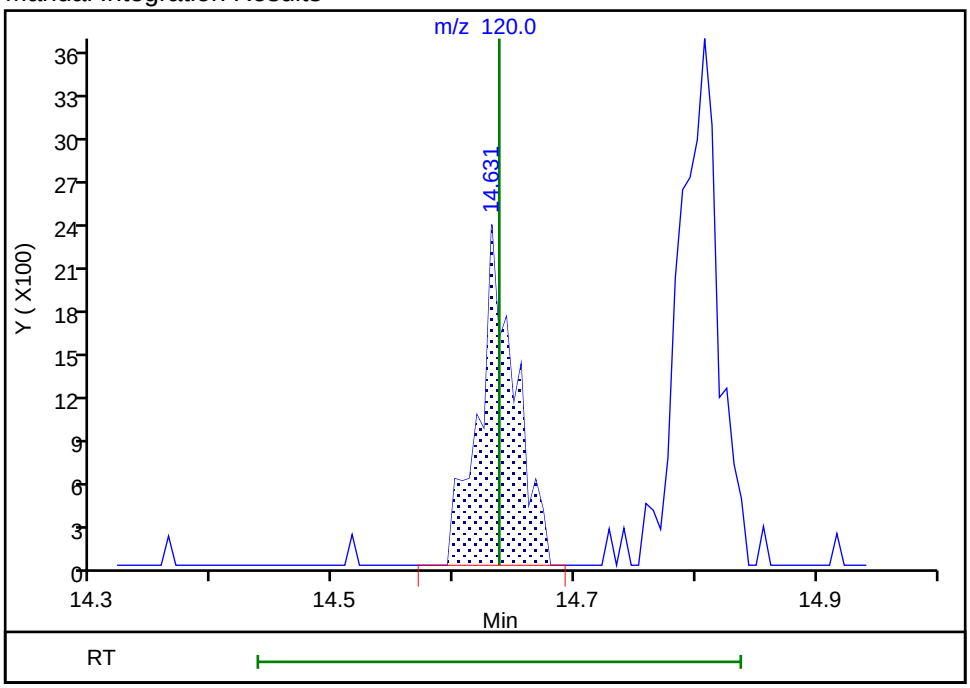
Processing Integration Results

RT: 14.63
Area: 4231
Amount: 3.443278
Amount Units: ng



Manual Integration Results

RT: 14.63
Area: 4800
Amount: 5.018340
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

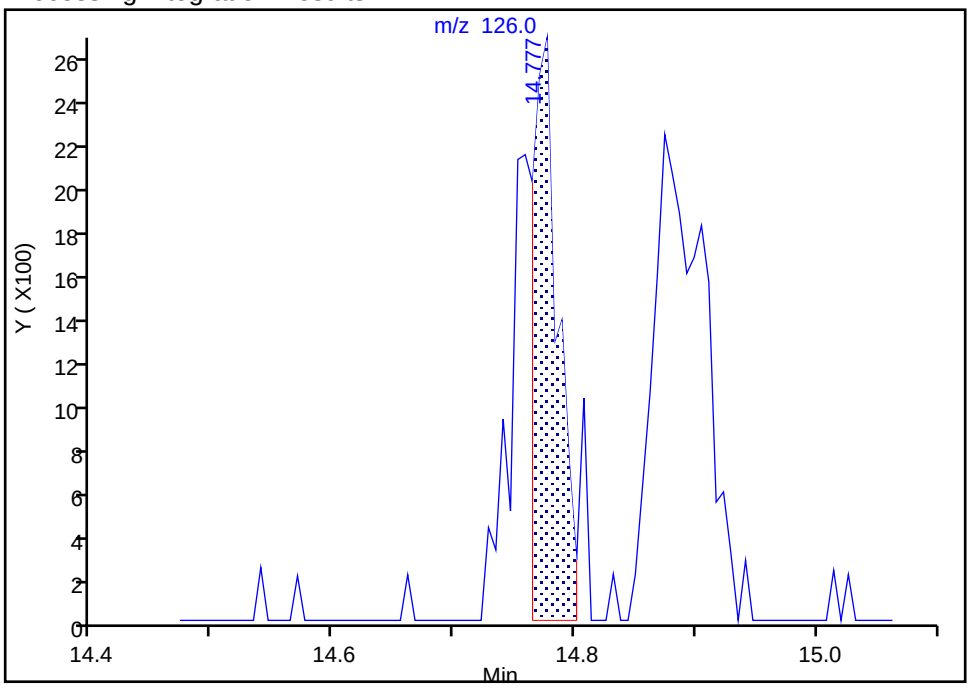
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

100 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

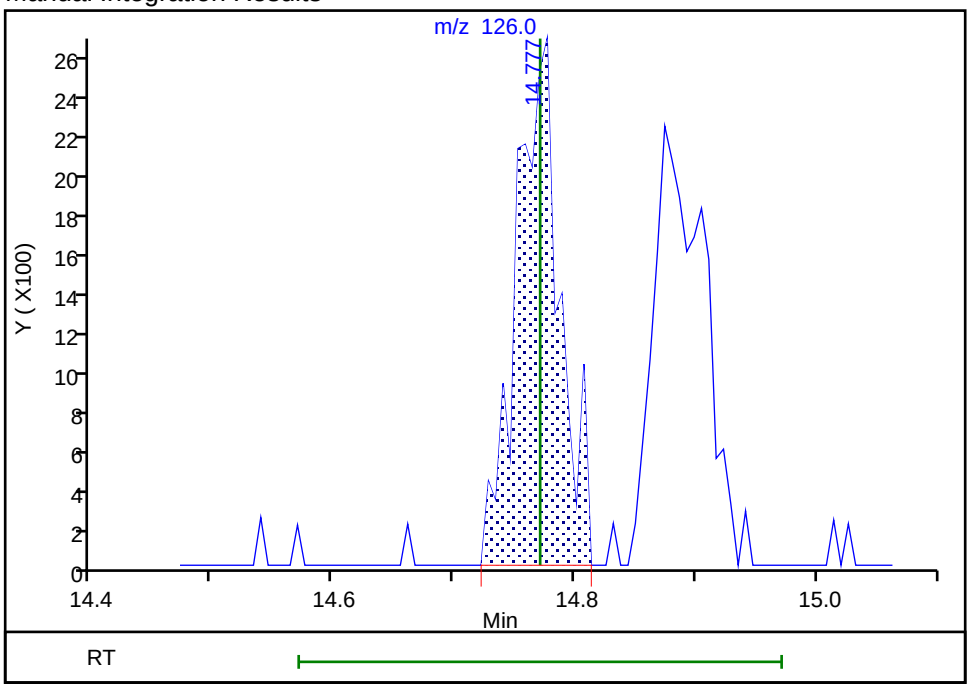
Processing Integration Results

RT: 14.78
Area: 3890
Amount: 0.269816
Amount Units: ng



Manual Integration Results

RT: 14.78
Area: 6566
Amount: 4.091213
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

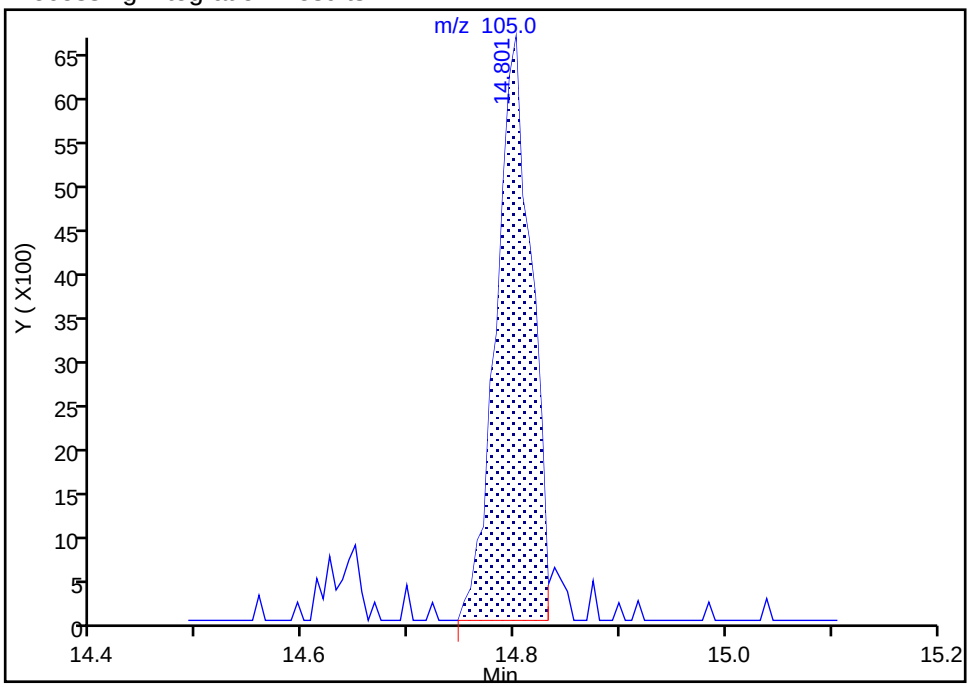
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

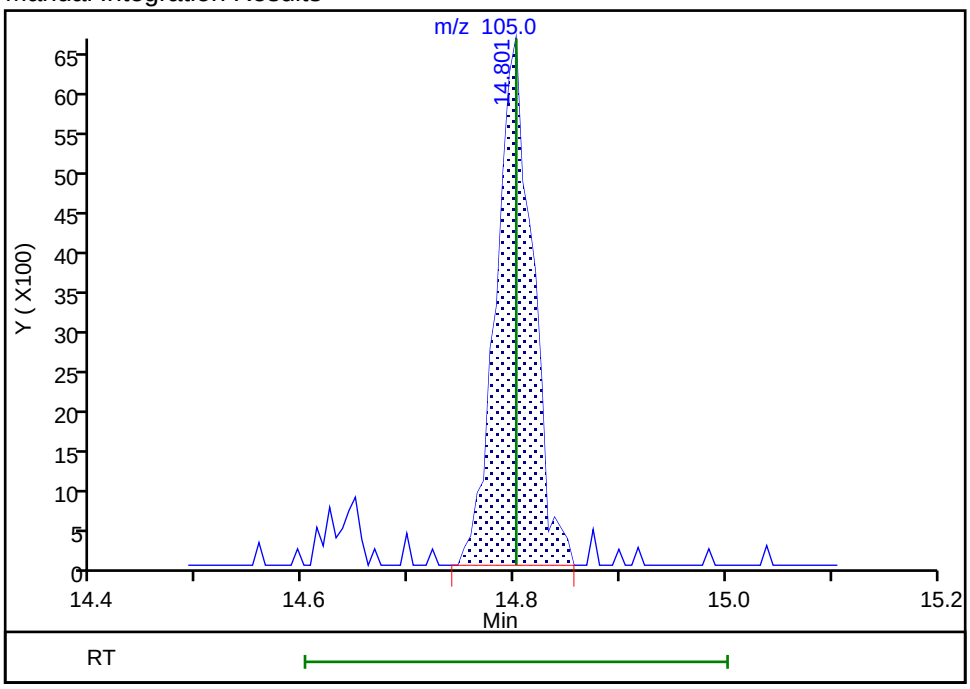
Processing Integration Results

RT: 14.80
Area: 15410
Amount: 11.879606
Amount Units: ng



Manual Integration Results

RT: 14.80
Area: 15922
Amount: 5.119347
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

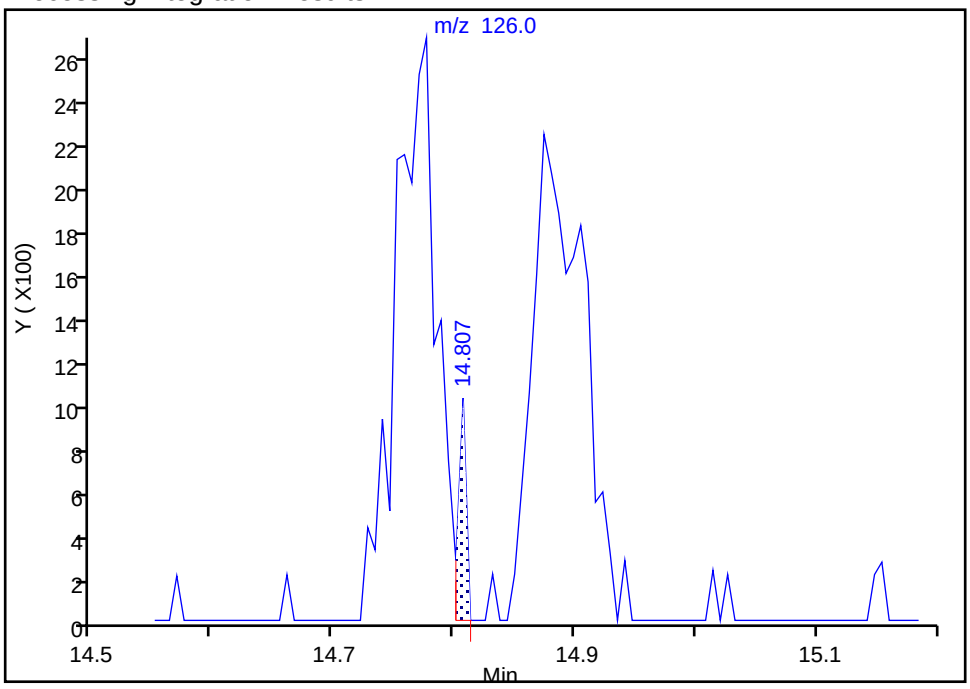
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

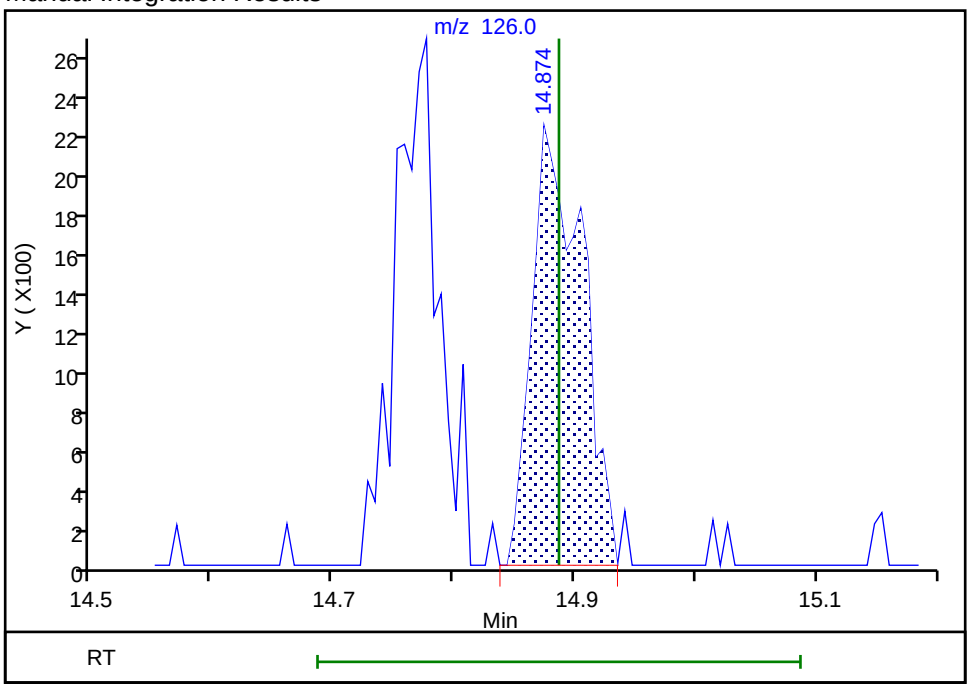
Processing Integration Results

RT: 14.81
Area: 466
Amount: 0.031349
Amount Units: ng



Manual Integration Results

RT: 14.87
Area: 6354
Amount: 3.862051
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

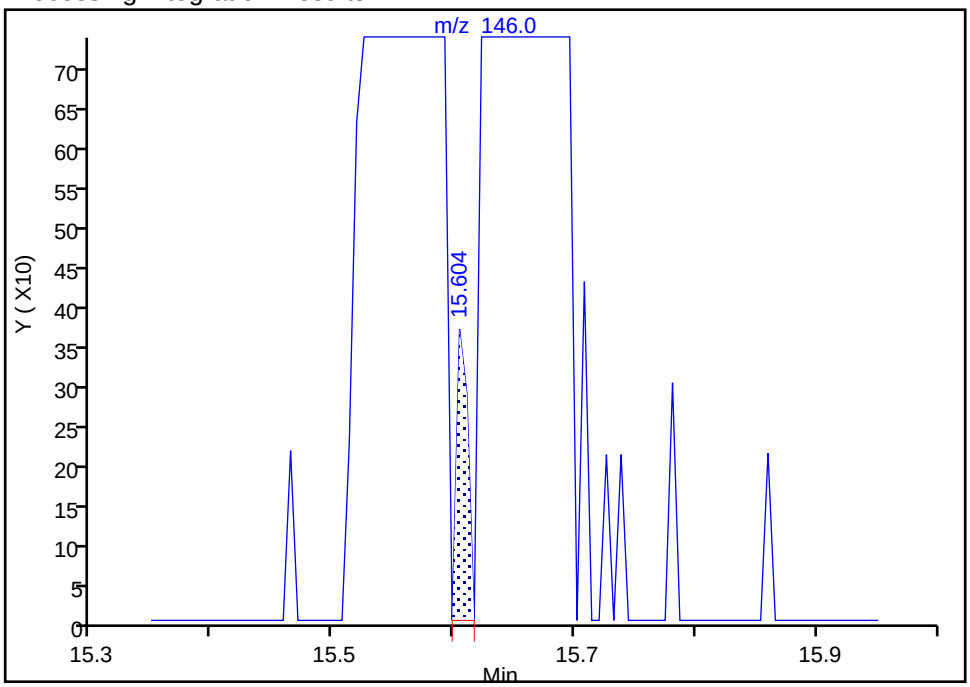
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

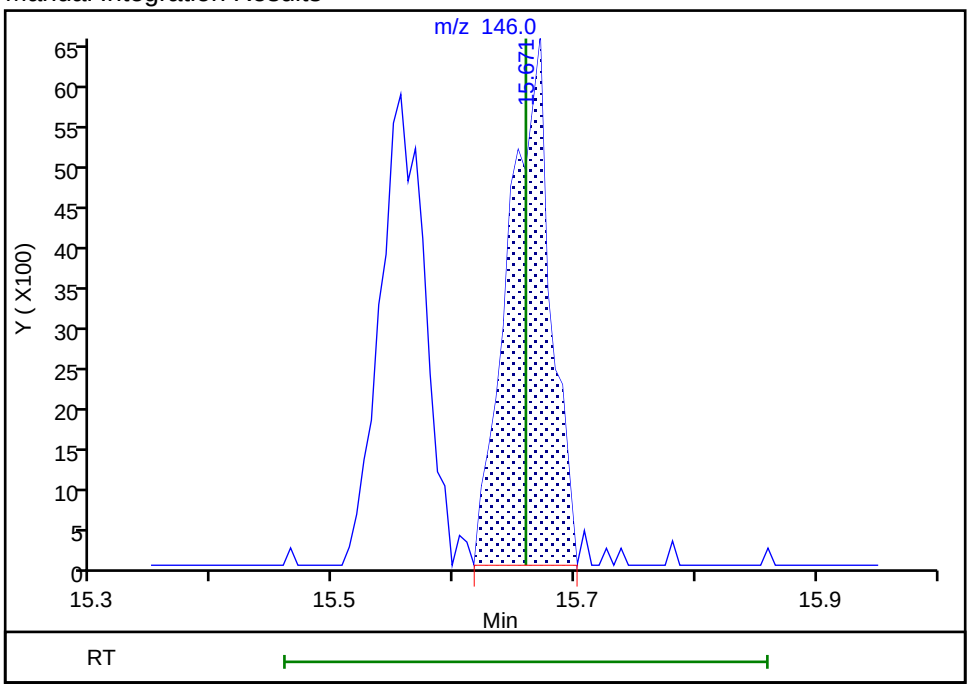
Processing Integration Results

RT: 15.60
Area: 239
Amount: 0.009059
Amount Units: ng



Manual Integration Results

RT: 15.67
Area: 15882
Amount: 5.232717
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

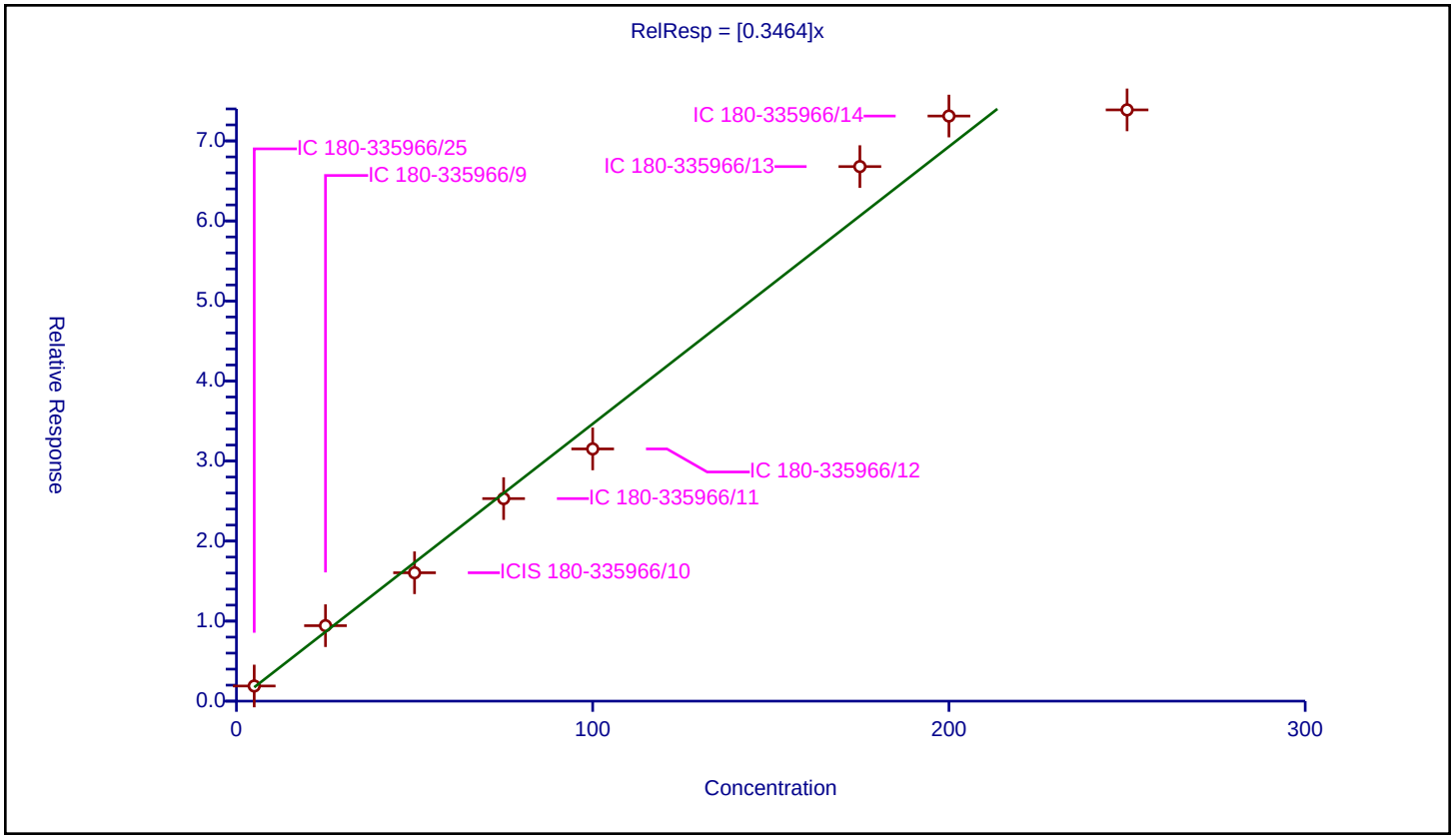
Curve Coefficients

Intercept:	0
Slope:	0.3464

Error Coefficients

Standard Error:	586000
Relative Standard Error:	9.7
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.891809	50.0	399089.0	0.378362	Y
2	IC 180-335966/9	25.0	9.428414	50.0	608098.0	0.377137	Y
3	ICIS 180-335966/10	50.0	16.040518	50.0	659614.0	0.32081	Y
4	IC 180-335966/11	75.0	25.30591	50.0	633929.0	0.337412	Y
5	IC 180-335966/12	100.0	31.512314	50.0	603499.0	0.315123	Y
6	IC 180-335966/13	175.0	66.792989	50.0	557831.0	0.381674	Y
7	IC 180-335966/14	200.0	73.10849	50.0	596785.0	0.365542	Y
8	IC 180-335966/15	250.0	73.875347	50.0	597851.0	0.295501	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

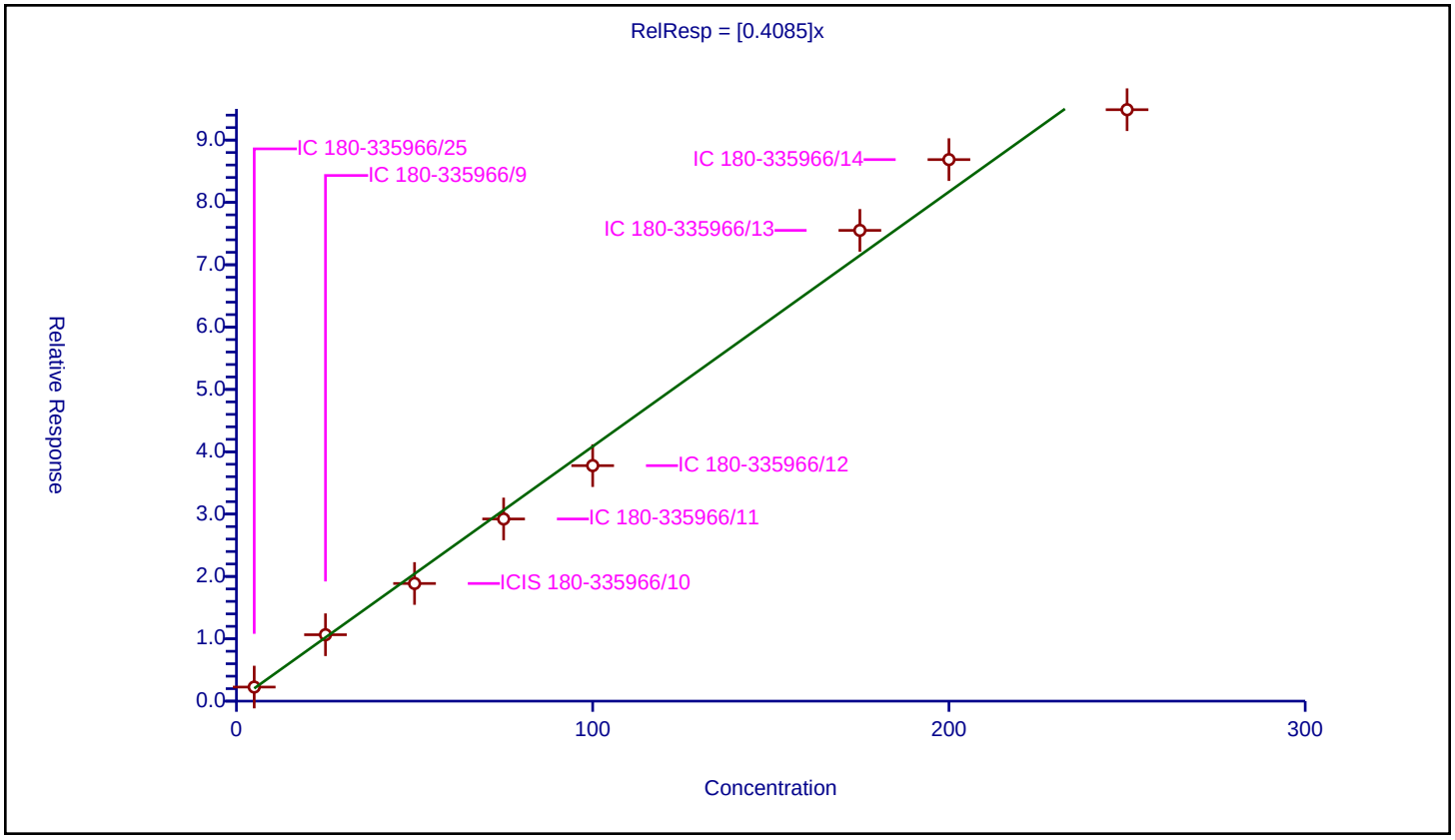
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	707000
Relative Standard Error:	7.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.257767	50.0	399089.0	0.451553	Y
2	IC 180-335966/9	25.0	10.654533	50.0	608098.0	0.426181	Y
3	ICIS 180-335966/10	50.0	18.872022	50.0	659614.0	0.37744	Y
4	IC 180-335966/11	75.0	29.219045	50.0	633929.0	0.389587	Y
5	IC 180-335966/12	100.0	37.778439	50.0	603499.0	0.377784	Y
6	IC 180-335966/13	175.0	75.515524	50.0	557831.0	0.431517	Y
7	IC 180-335966/14	200.0	86.864281	50.0	596785.0	0.434321	Y
8	IC 180-335966/15	250.0	94.870294	50.0	597851.0	0.379481	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

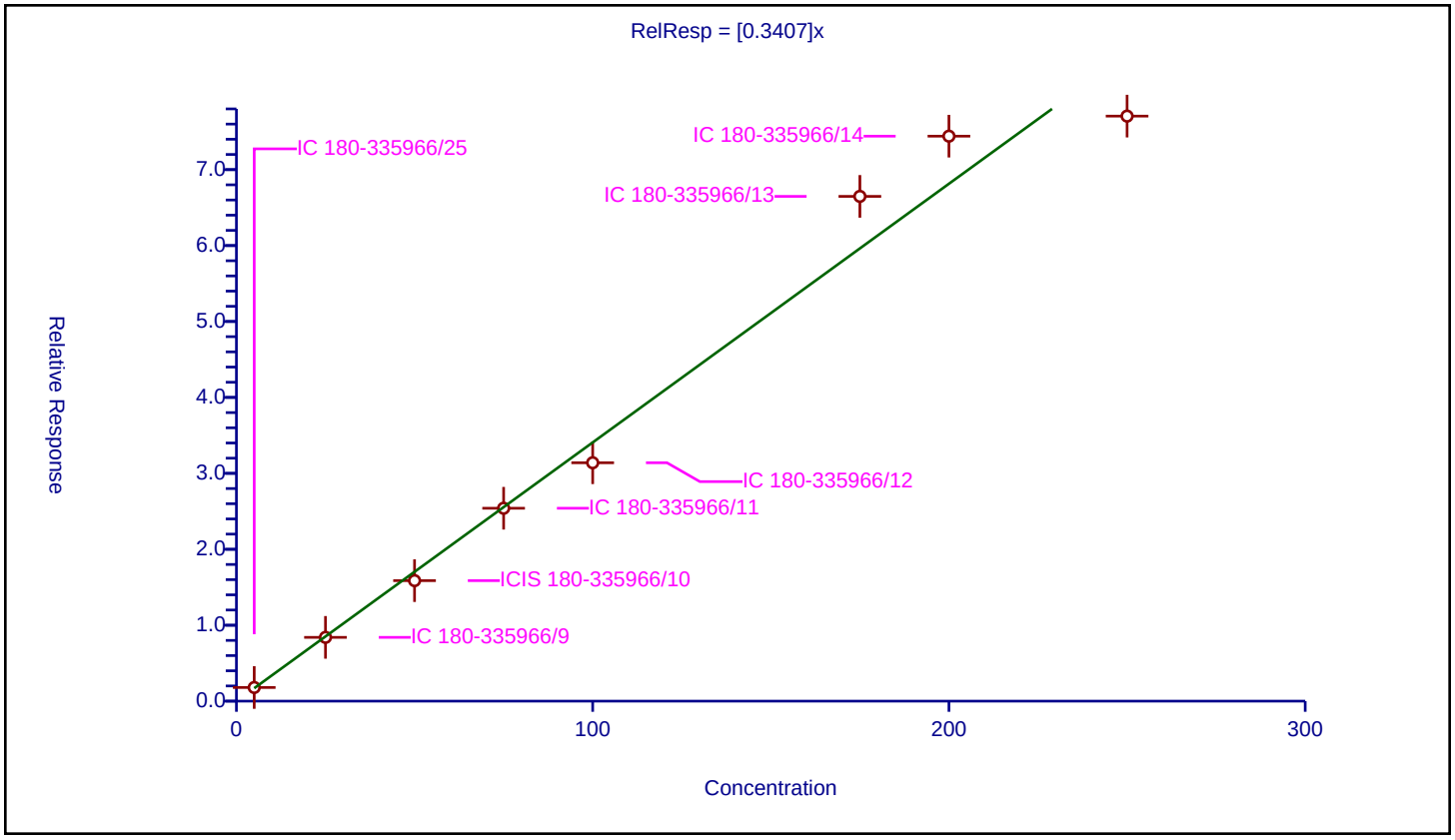
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Standard Error:	596000
Relative Standard Error:	8.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.796842	50.0	399089.0	0.359368	Y
2	IC 180-335966/9	25.0	8.398235	50.0	608098.0	0.335929	Y
3	ICIS 180-335966/10	50.0	15.871404	50.0	659614.0	0.317428	Y
4	IC 180-335966/11	75.0	25.406236	50.0	633929.0	0.33875	Y
5	IC 180-335966/12	100.0	31.397567	50.0	603499.0	0.313976	Y
6	IC 180-335966/13	175.0	66.478019	50.0	557831.0	0.379874	Y
7	IC 180-335966/14	200.0	74.406612	50.0	596785.0	0.372033	Y
8	IC 180-335966/15	250.0	77.049884	50.0	597851.0	0.3082	Y



Calibration / Butadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

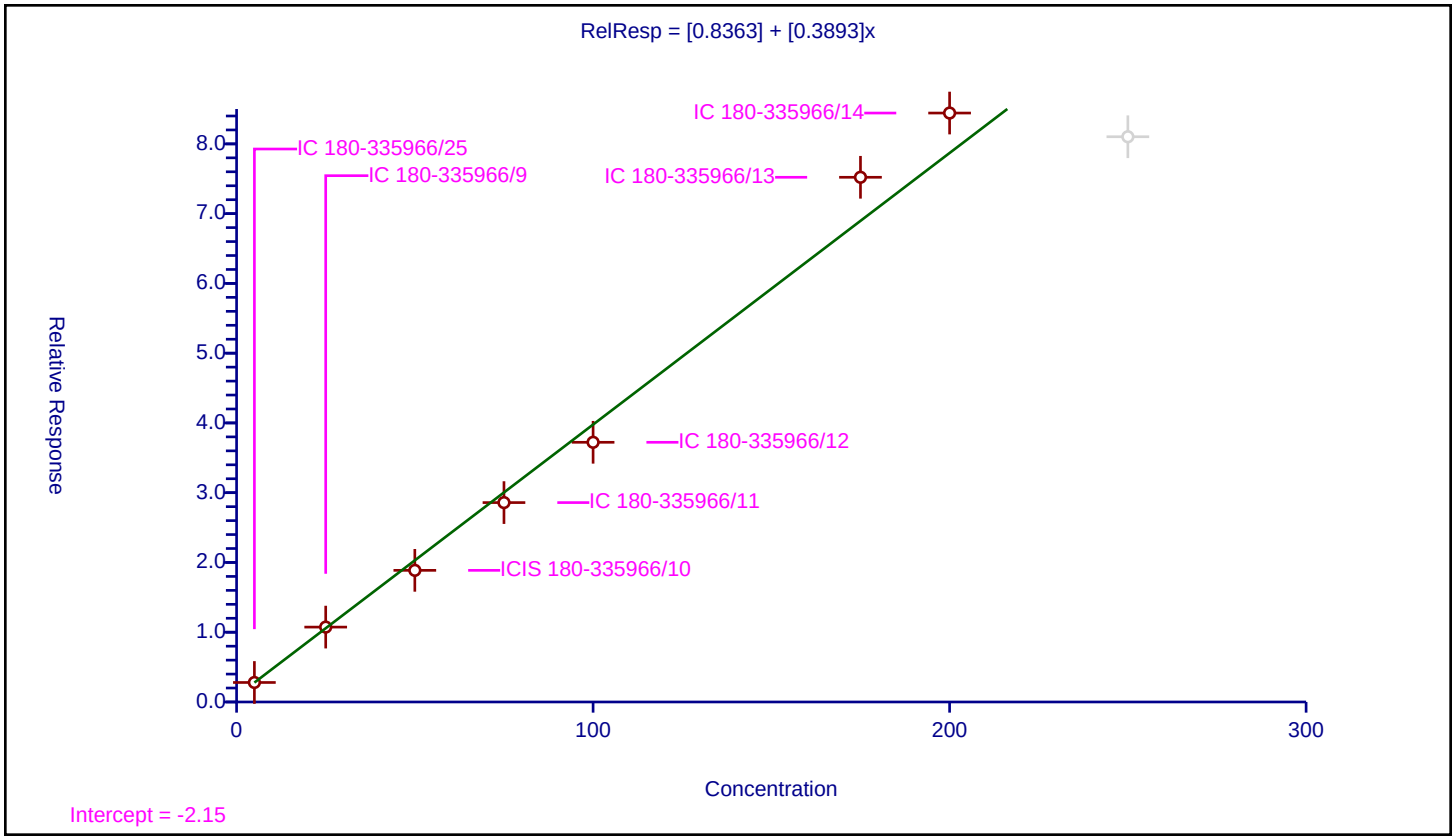
Curve Coefficients

Intercept:	0.8363
Slope:	0.3893

Error Coefficients

Standard Error:	653000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.794615	50.0	399089.0	0.558923	Y
2	IC 180-335966/9	25.0	10.733796	50.0	608098.0	0.429352	Y
3	ICIS 180-335966/10	50.0	18.871188	50.0	659614.0	0.377424	Y
4	IC 180-335966/11	75.0	28.584747	50.0	633929.0	0.38113	Y
5	IC 180-335966/12	100.0	37.226077	50.0	603499.0	0.372261	Y
6	IC 180-335966/13	175.0	75.215791	50.0	557831.0	0.429805	Y
7	IC 180-335966/14	200.0	84.424709	50.0	596785.0	0.422124	Y
8	IC 180-335966/15	250.0	81.023449	50.0	597851.0	0.324094	N



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

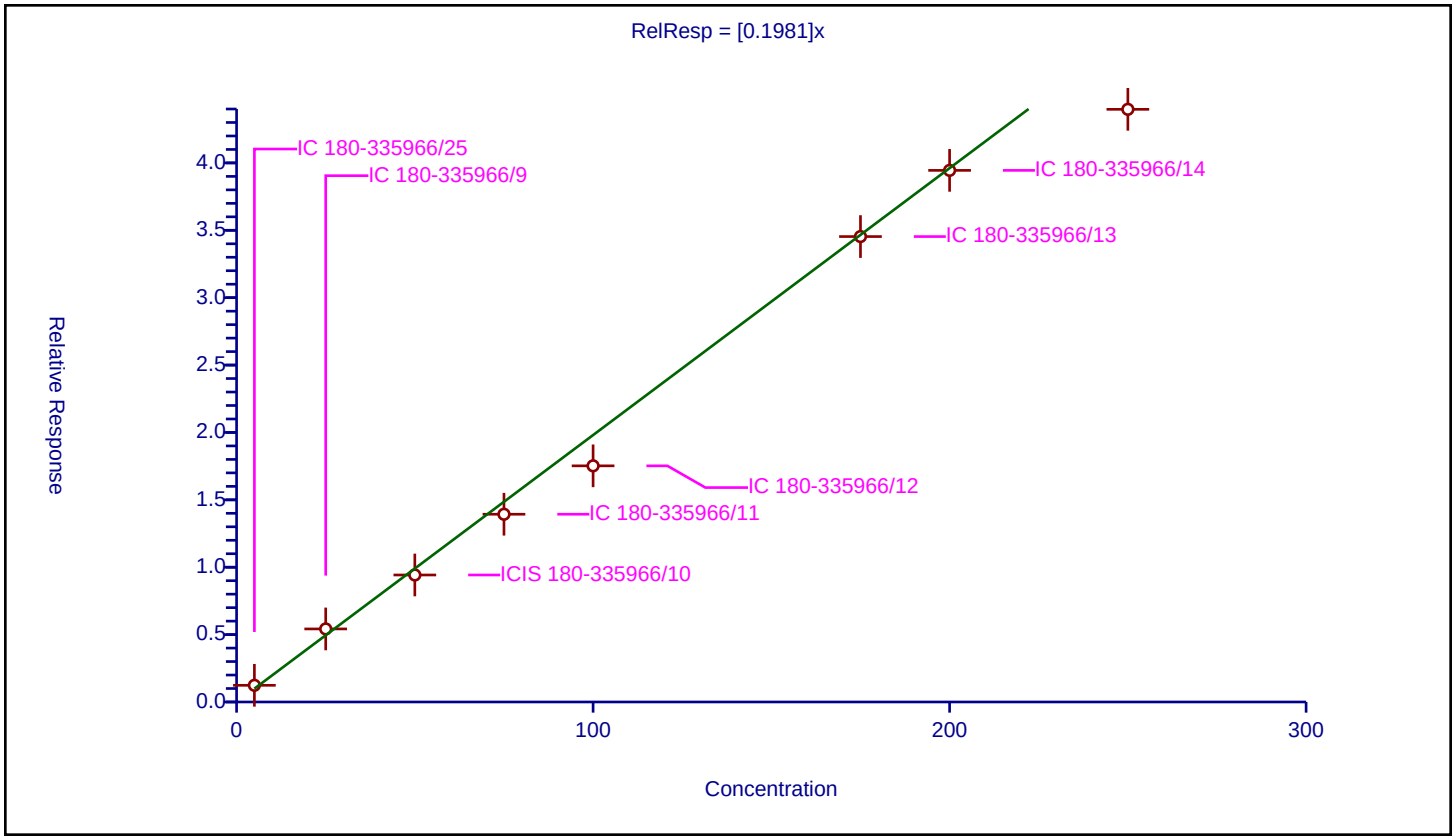
Curve Coefficients

Intercept:	0
Slope:	0.1981

Error Coefficients

Standard Error:	326000
Relative Standard Error:	12.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.238446	50.0	399089.0	0.247689	Y
2	IC 180-335966/9	25.0	5.421577	50.0	608098.0	0.216863	Y
3	ICIS 180-335966/10	50.0	9.423314	50.0	659614.0	0.188466	Y
4	IC 180-335966/11	75.0	13.930582	50.0	633929.0	0.185741	Y
5	IC 180-335966/12	100.0	17.523227	50.0	603499.0	0.175232	Y
6	IC 180-335966/13	175.0	34.536446	50.0	557831.0	0.197351	Y
7	IC 180-335966/14	200.0	39.447372	50.0	596785.0	0.197237	Y
8	IC 180-335966/15	250.0	43.976927	50.0	597851.0	0.175908	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

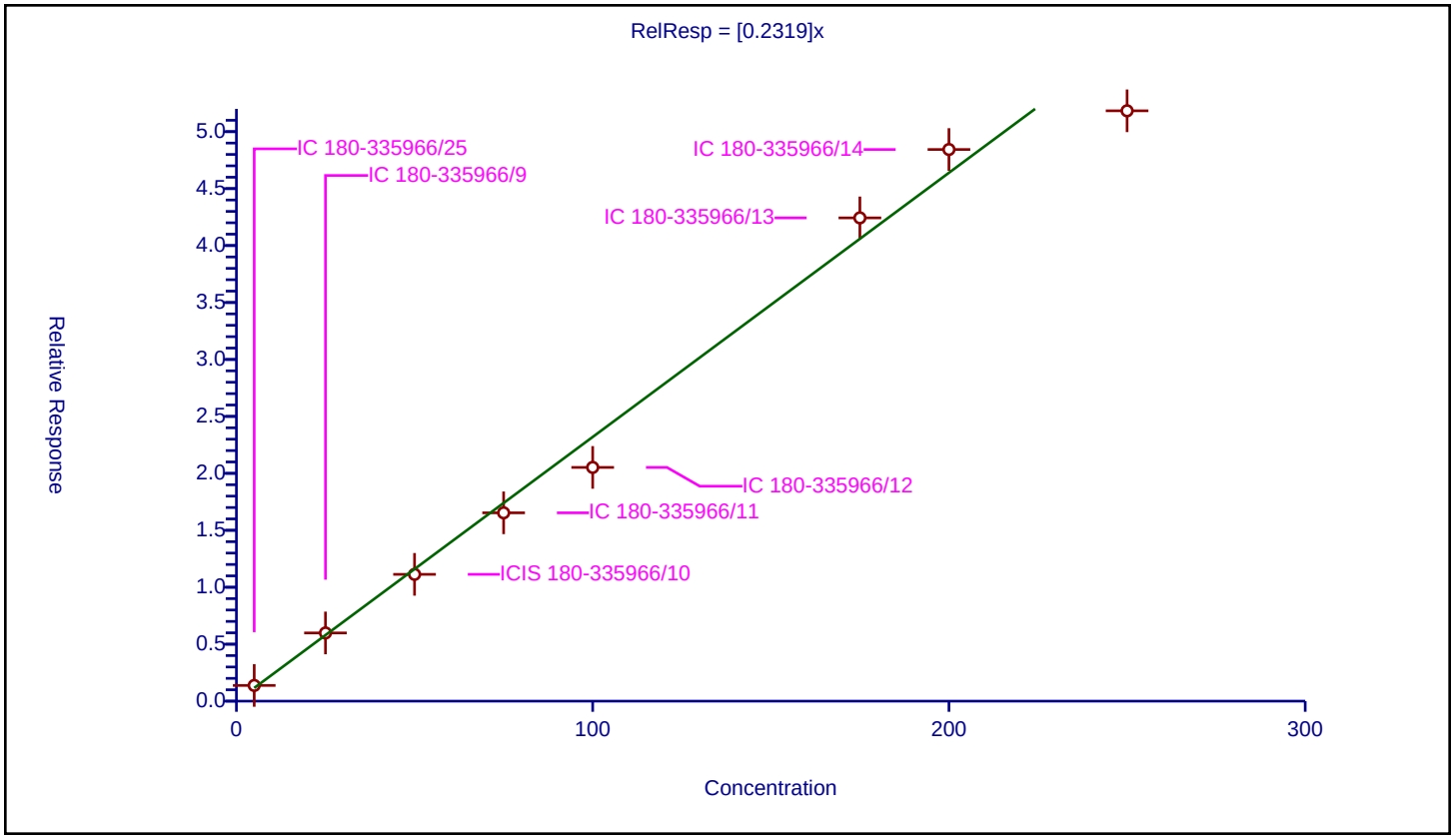
Curve Coefficients

Intercept:	0
Slope:	0.2319

Error Coefficients

Standard Error:	392000
Relative Standard Error:	10.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.379016	50.0	399089.0	0.275803	Y
2	IC 180-335966/9	25.0	5.988015	50.0	608098.0	0.239521	Y
3	ICIS 180-335966/10	50.0	11.132344	50.0	659614.0	0.222647	Y
4	IC 180-335966/11	75.0	16.534738	50.0	633929.0	0.220463	Y
5	IC 180-335966/12	100.0	20.520664	50.0	603499.0	0.205207	Y
6	IC 180-335966/13	175.0	42.430145	50.0	557831.0	0.242458	Y
7	IC 180-335966/14	200.0	48.432853	50.0	596785.0	0.242164	Y
8	IC 180-335966/15	250.0	51.831895	50.0	597851.0	0.207328	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

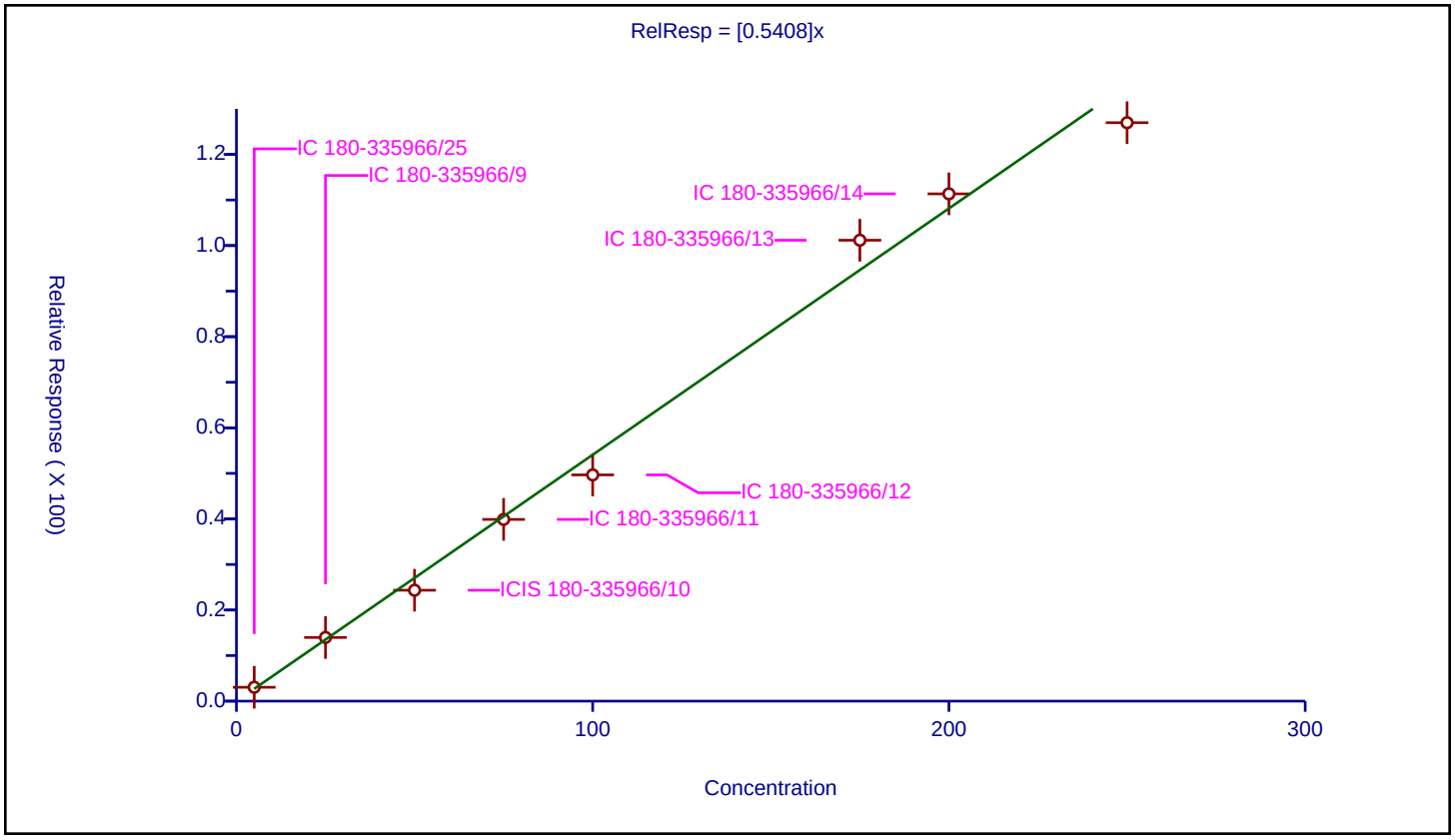
Curve Coefficients

Intercept:	0
Slope:	0.5408

Error Coefficients

Standard Error:	933000
Relative Standard Error:	7.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.044308	50.0	399089.0	0.608862	Y
2	IC 180-335966/9	25.0	13.976695	50.0	608098.0	0.559068	Y
3	ICIS 180-335966/10	50.0	24.348179	50.0	659614.0	0.486964	Y
4	IC 180-335966/11	75.0	39.887432	50.0	633929.0	0.531832	Y
5	IC 180-335966/12	100.0	49.661226	50.0	603499.0	0.496612	Y
6	IC 180-335966/13	175.0	101.172398	50.0	557831.0	0.578128	Y
7	IC 180-335966/14	200.0	111.348894	50.0	596785.0	0.556744	Y
8	IC 180-335966/15	250.0	126.968927	50.0	597851.0	0.507876	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

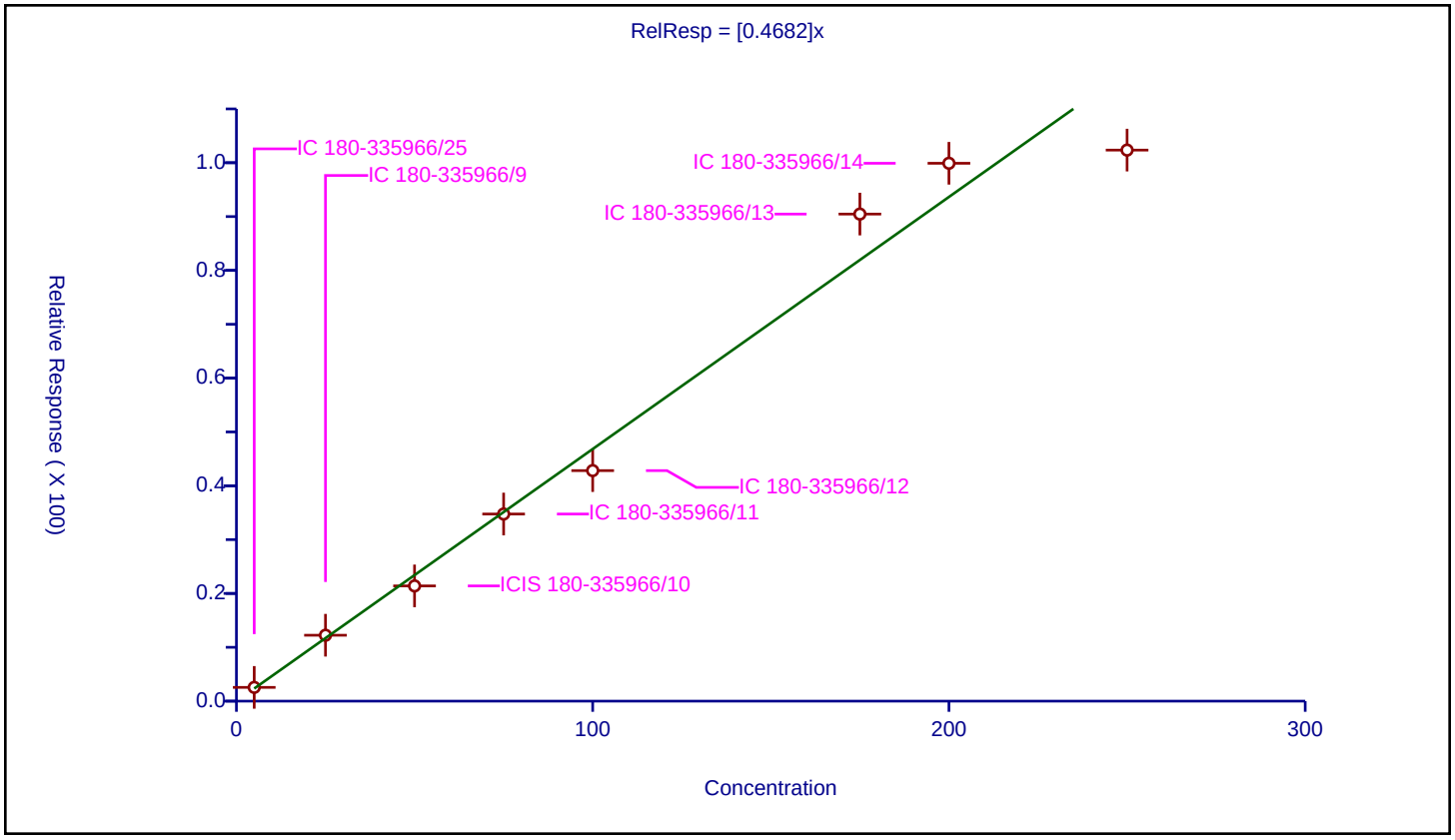
Curve Coefficients

Intercept:	0
Slope:	0.4682

Error Coefficients

Standard Error:	802000
Relative Standard Error:	9.0
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.553315	50.0	399089.0	0.510663	Y
2	IC 180-335966/9	25.0	12.241695	50.0	608098.0	0.489668	Y
3	ICIS 180-335966/10	50.0	21.400167	50.0	659614.0	0.428003	Y
4	IC 180-335966/11	75.0	34.754365	50.0	633929.0	0.463392	Y
5	IC 180-335966/12	100.0	42.819541	50.0	603499.0	0.428195	Y
6	IC 180-335966/13	175.0	90.464316	50.0	557831.0	0.516939	Y
7	IC 180-335966/14	200.0	99.899461	50.0	596785.0	0.499497	Y
8	IC 180-335966/15	250.0	102.349498	50.0	597851.0	0.409398	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

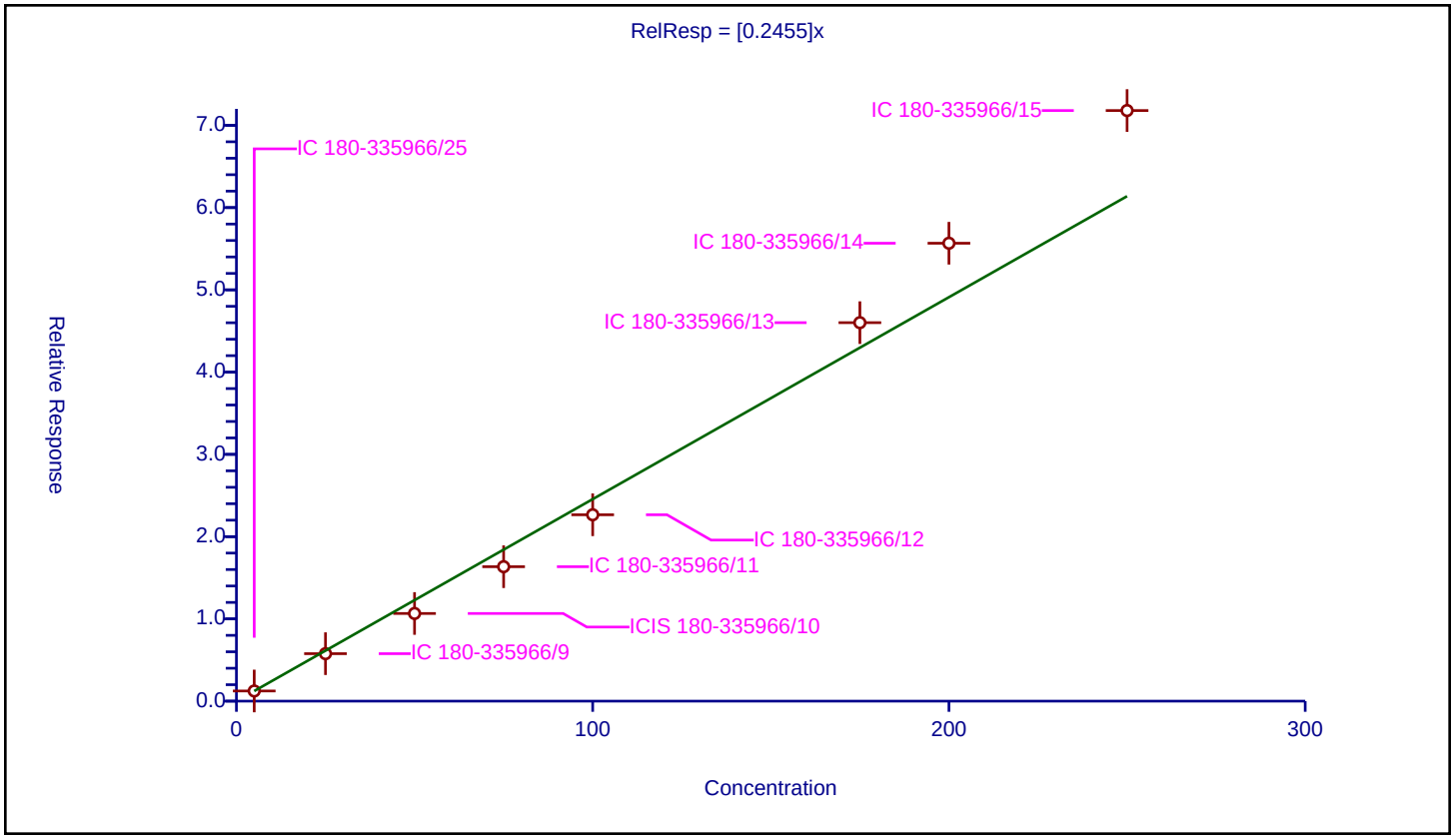
Curve Coefficients

Intercept:	0
Slope:	0.2455

Error Coefficients

Standard Error:	476000
Relative Standard Error:	11.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.236566	50.0	399089.0	0.247313	Y
2	IC 180-335966/9	25.0	5.771931	50.0	608098.0	0.230877	Y
3	ICIS 180-335966/10	50.0	10.658127	50.0	659614.0	0.213163	Y
4	IC 180-335966/11	75.0	16.34489	50.0	633929.0	0.217932	Y
5	IC 180-335966/12	100.0	22.656873	50.0	603499.0	0.226569	Y
6	IC 180-335966/13	175.0	46.012054	50.0	557831.0	0.262926	Y
7	IC 180-335966/14	200.0	55.669378	50.0	596785.0	0.278347	Y
8	IC 180-335966/15	250.0	71.800248	50.0	597851.0	0.287201	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

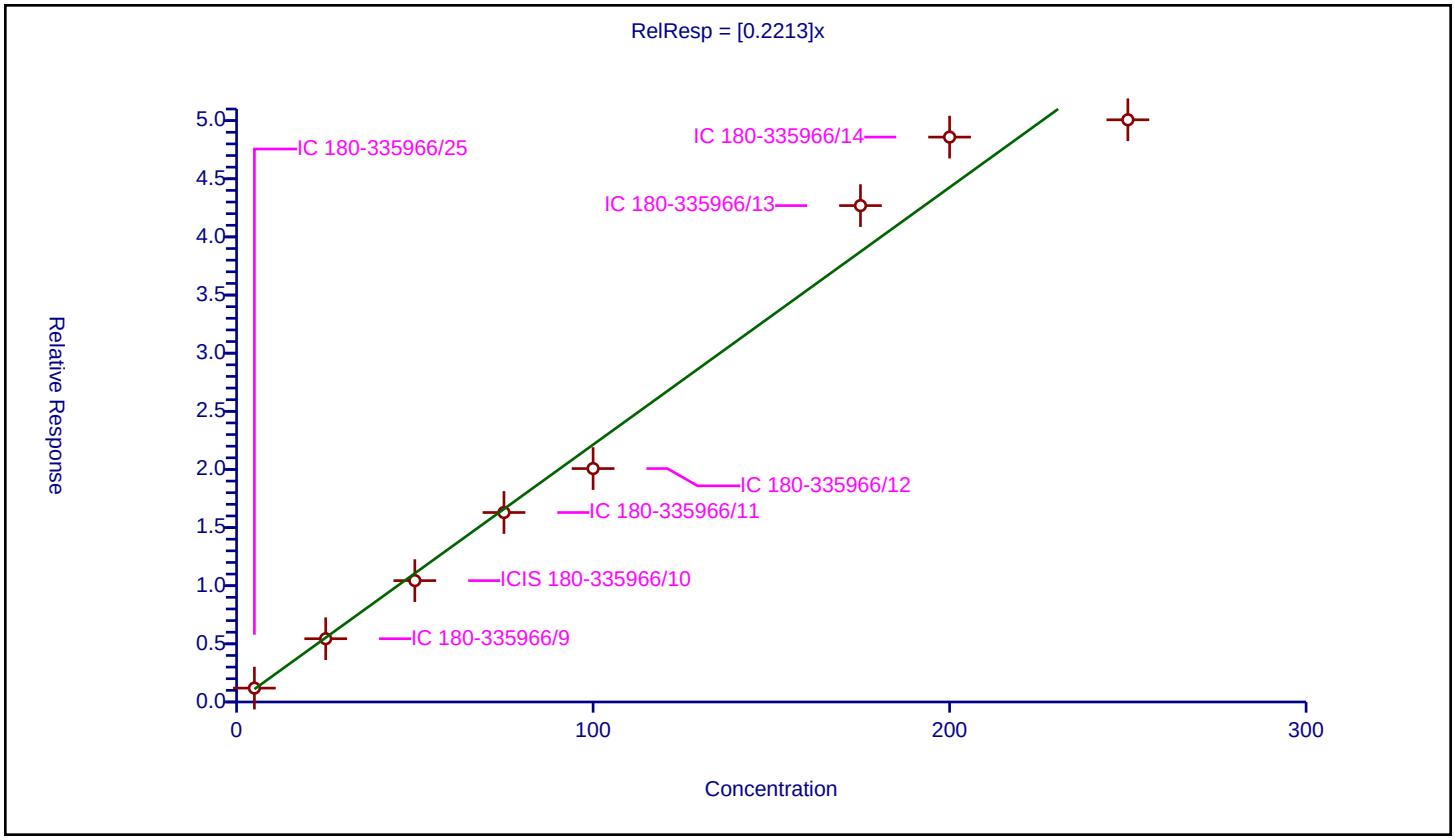
Curve Coefficients

Intercept:	0
Slope:	0.2213

Error Coefficients

Standard Error:	387000
Relative Standard Error:	8.3
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.193719	50.0	399089.0	0.238744	Y
2	IC 180-335966/9	25.0	5.442462	50.0	608098.0	0.217698	Y
3	ICIS 180-335966/10	50.0	10.439211	50.0	659614.0	0.208784	Y
4	IC 180-335966/11	75.0	16.295673	50.0	633929.0	0.217276	Y
5	IC 180-335966/12	100.0	20.076172	50.0	603499.0	0.200762	Y
6	IC 180-335966/13	175.0	42.691873	50.0	557831.0	0.243954	Y
7	IC 180-335966/14	200.0	48.585923	50.0	596785.0	0.24293	Y
8	IC 180-335966/15	250.0	50.074433	50.0	597851.0	0.200298	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

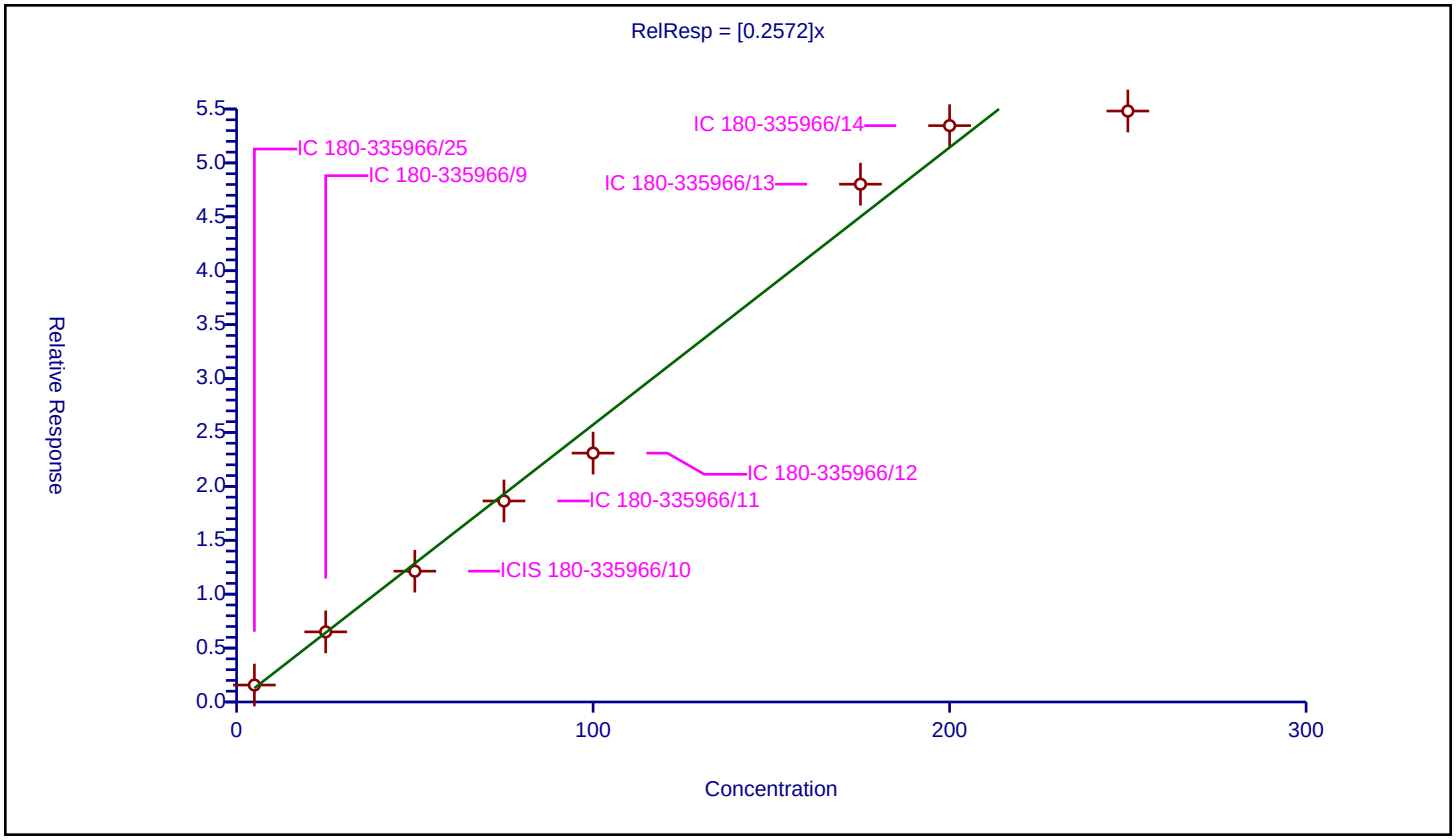
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	429000
Relative Standard Error:	11.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.570702	50.0	399089.0	0.31414	Y
2	IC 180-335966/9	25.0	6.503146	50.0	608098.0	0.260126	Y
3	ICIS 180-335966/10	50.0	12.132853	50.0	659614.0	0.242657	Y
4	IC 180-335966/11	75.0	18.646568	50.0	633929.0	0.248621	Y
5	IC 180-335966/12	100.0	23.083634	50.0	603499.0	0.230836	Y
6	IC 180-335966/13	175.0	48.027808	50.0	557831.0	0.274445	Y
7	IC 180-335966/14	200.0	53.458281	50.0	596785.0	0.267291	Y
8	IC 180-335966/15	250.0	54.812069	50.0	597851.0	0.219248	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

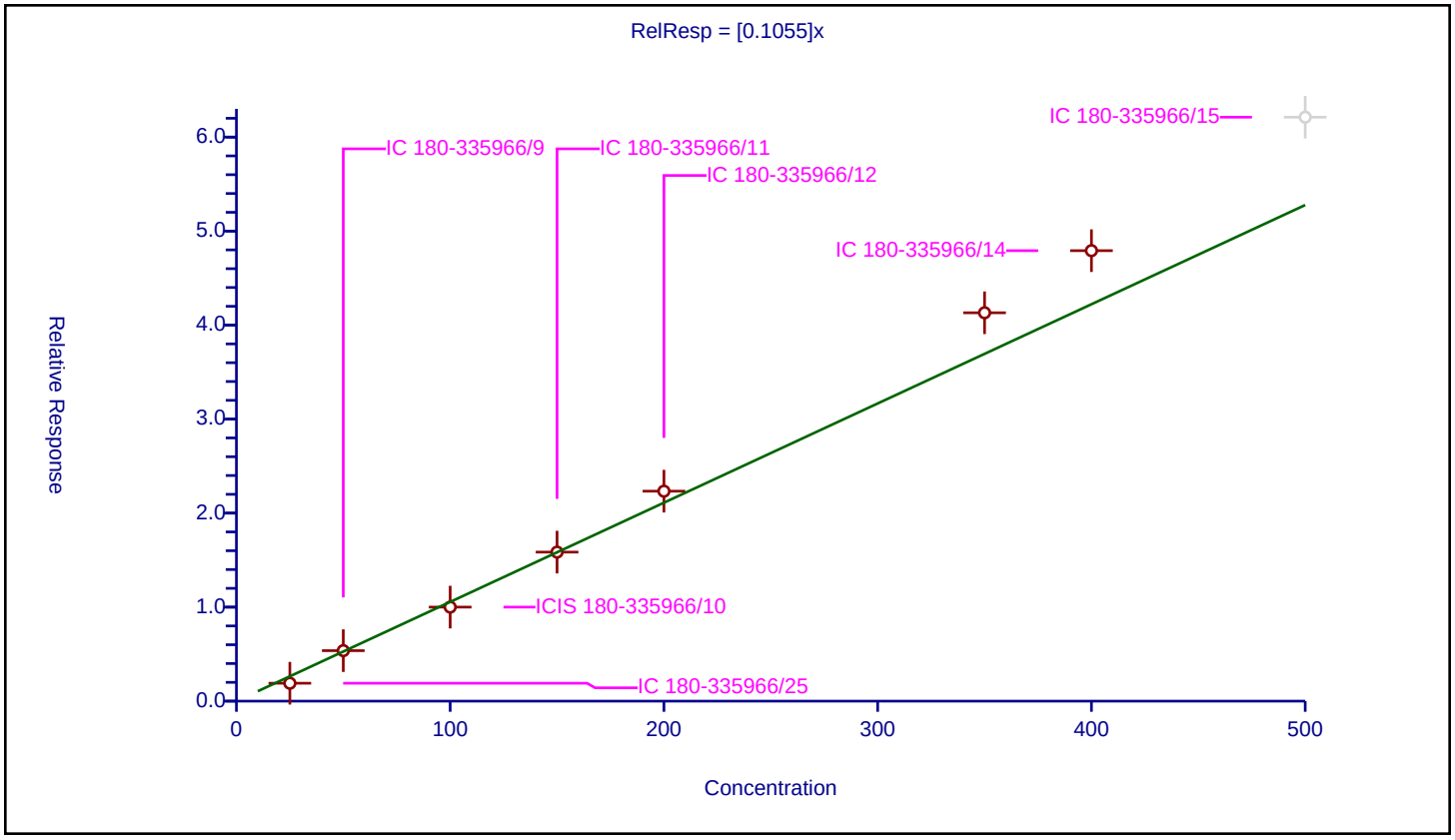
Curve Coefficients

Intercept:	0
Slope:	0.1055

Error Coefficients

Standard Error:	335000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	1.904337	50.0	399089.0	0.076173	Y
2	IC 180-335966/9	50.0	5.371009	50.0	608098.0	0.10742	Y
3	ICIS 180-335966/10	100.0	10.003805	50.0	659614.0	0.100038	Y
4	IC 180-335966/11	150.0	15.853353	50.0	633929.0	0.105689	Y
5	IC 180-335966/12	200.0	22.334834	50.0	603499.0	0.111674	Y
6	IC 180-335966/13	350.0	41.312871	50.0	557831.0	0.118037	Y
7	IC 180-335966/14	400.0	47.917592	50.0	596785.0	0.119794	Y
8	IC 180-335966/15	500.0	62.114892	50.0	597851.0	0.12423	N



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

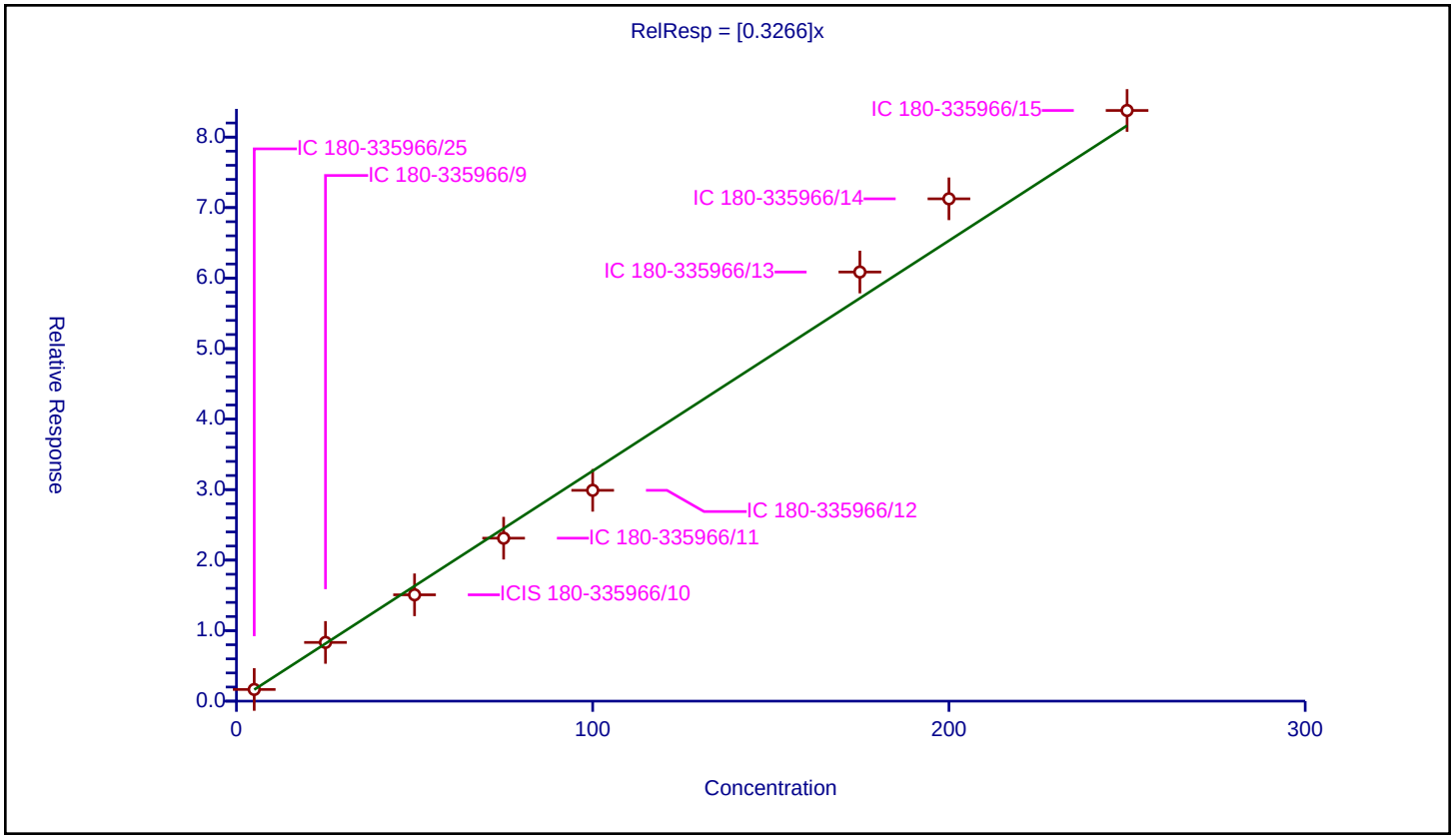
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	592000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.656397	50.0	399089.0	0.331279	Y
2	IC 180-335966/9	25.0	8.328345	50.0	608098.0	0.333134	Y
3	ICIS 180-335966/10	50.0	15.082154	50.0	659614.0	0.301643	Y
4	IC 180-335966/11	75.0	23.113708	50.0	633929.0	0.308183	Y
5	IC 180-335966/12	100.0	29.903115	50.0	603499.0	0.299031	Y
6	IC 180-335966/13	175.0	60.862967	50.0	557831.0	0.347788	Y
7	IC 180-335966/14	200.0	71.247183	50.0	596785.0	0.356236	Y
8	IC 180-335966/15	250.0	83.776727	50.0	597851.0	0.335107	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

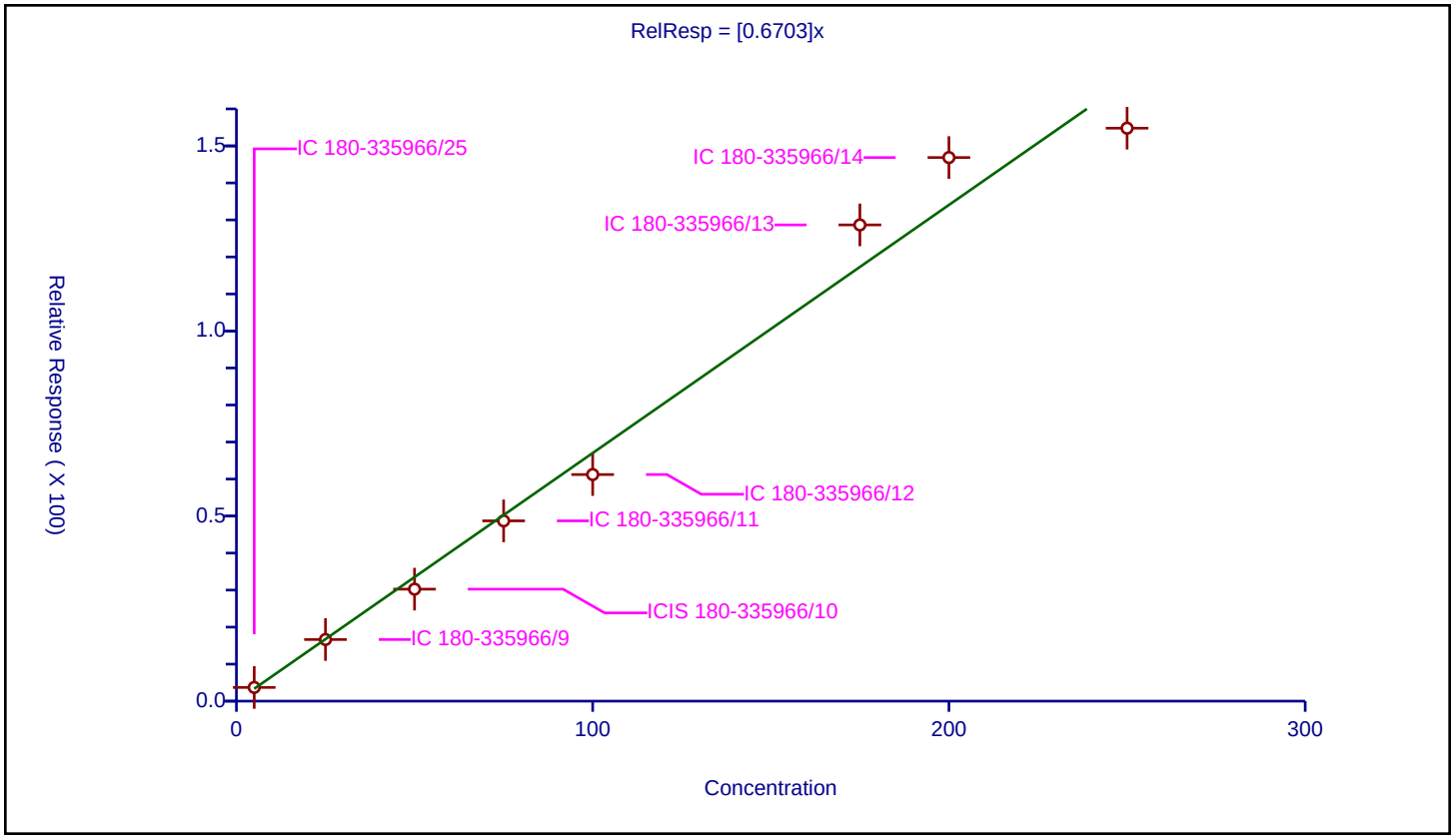
Curve Coefficients

Intercept:	0
Slope:	0.6703

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	8.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.705314	50.0	399089.0	0.741063	Y
2	IC 180-335966/9	25.0	16.644357	50.0	608098.0	0.665774	Y
3	ICIS 180-335966/10	50.0	30.255195	50.0	659614.0	0.605104	Y
4	IC 180-335966/11	75.0	48.699223	50.0	633929.0	0.649323	Y
5	IC 180-335966/12	100.0	61.217334	50.0	603499.0	0.612173	Y
6	IC 180-335966/13	175.0	128.655184	50.0	557831.0	0.735172	Y
7	IC 180-335966/14	200.0	146.853808	50.0	596785.0	0.734269	Y
8	IC 180-335966/15	250.0	154.791997	50.0	597851.0	0.619168	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

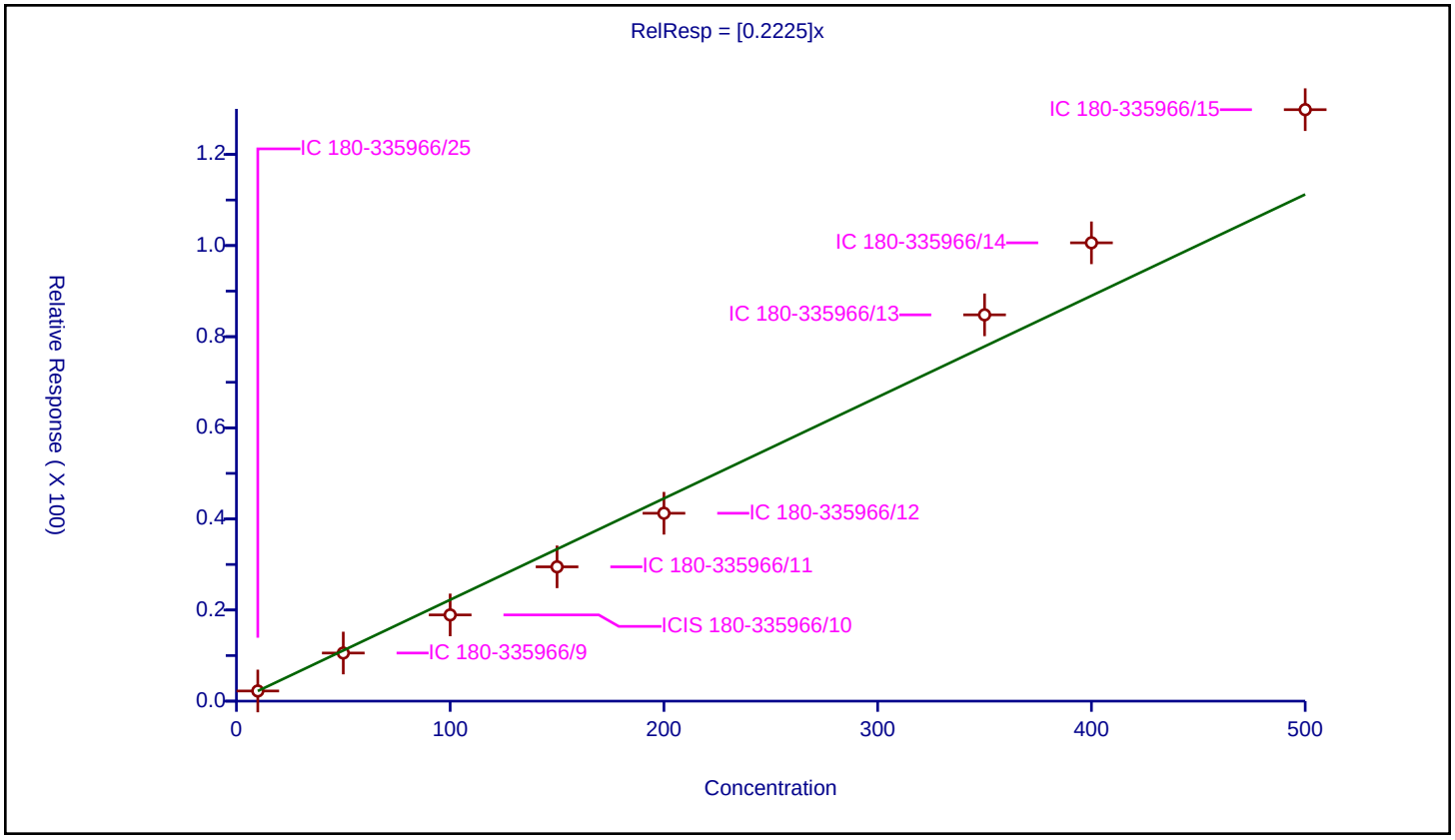
Curve Coefficients

Intercept:	0
Slope:	0.2225

Error Coefficients

Standard Error:	863000
Relative Standard Error:	11.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	10.0	2.228576	50.0	399089.0	0.222858	Y
2	IC 180-335966/9	50.0	10.563593	50.0	608098.0	0.211272	Y
3	ICIS 180-335966/10	100.0	18.927812	50.0	659614.0	0.189278	Y
4	IC 180-335966/11	150.0	29.480115	50.0	633929.0	0.196534	Y
5	IC 180-335966/12	200.0	41.244559	50.0	603499.0	0.206223	Y
6	IC 180-335966/13	350.0	84.795664	50.0	557831.0	0.242273	Y
7	IC 180-335966/14	400.0	100.606248	50.0	596785.0	0.251516	Y
8	IC 180-335966/15	500.0	129.830426	50.0	597851.0	0.259661	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

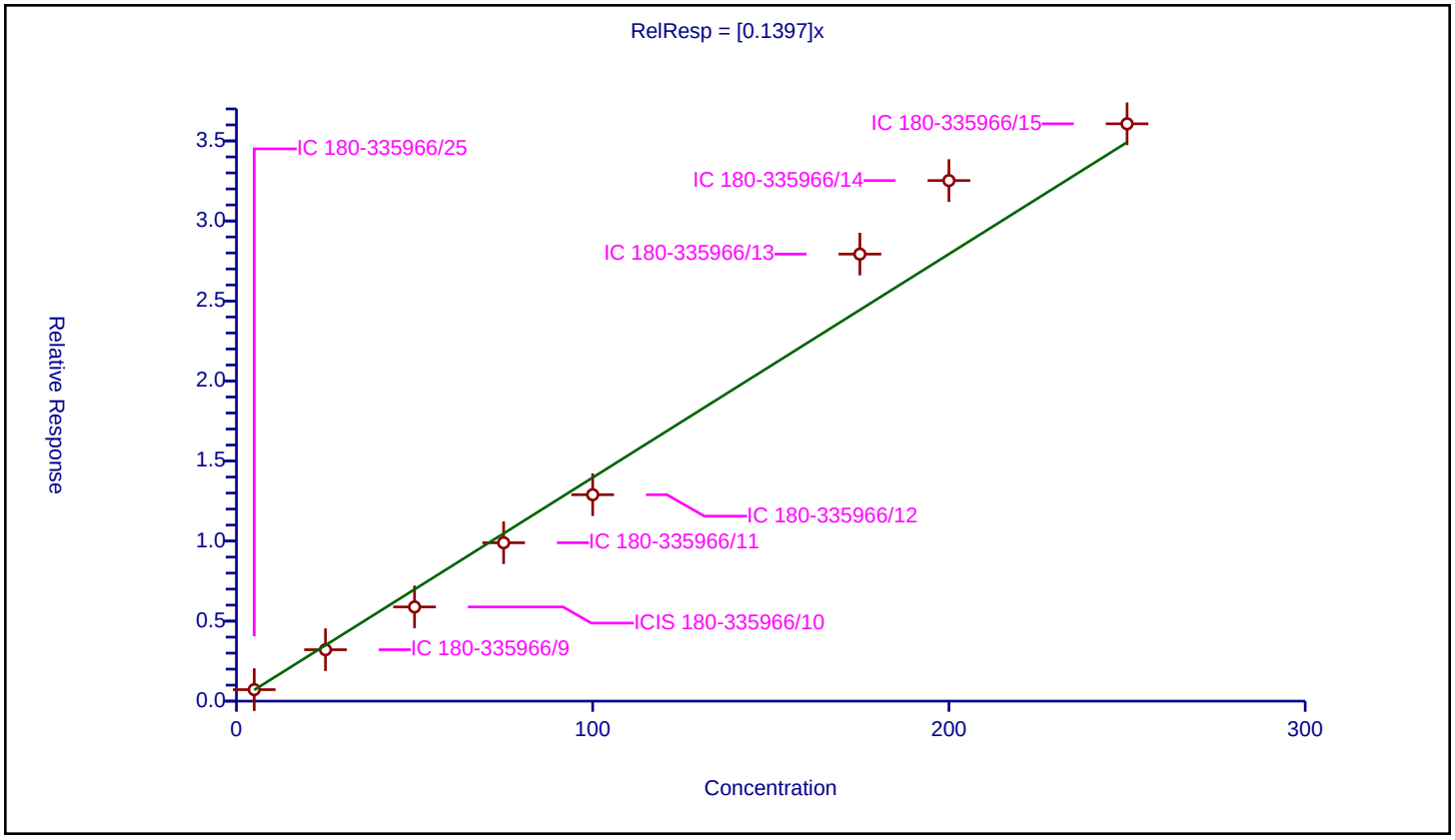
Curve Coefficients

Intercept:	0
Slope:	0.1397

Error Coefficients

Standard Error:	262000
Relative Standard Error:	11.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.718511	50.0	399089.0	0.143702	Y
2	IC 180-335966/9	25.0	3.212558	50.0	608098.0	0.128502	Y
3	ICIS 180-335966/10	50.0	5.883668	50.0	659614.0	0.117673	Y
4	IC 180-335966/11	75.0	9.895351	50.0	633929.0	0.131938	Y
5	IC 180-335966/12	100.0	12.896293	50.0	603499.0	0.128963	Y
6	IC 180-335966/13	175.0	27.927724	50.0	557831.0	0.159587	Y
7	IC 180-335966/14	200.0	32.523103	50.0	596785.0	0.162616	Y
8	IC 180-335966/15	250.0	36.069188	50.0	597851.0	0.144277	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

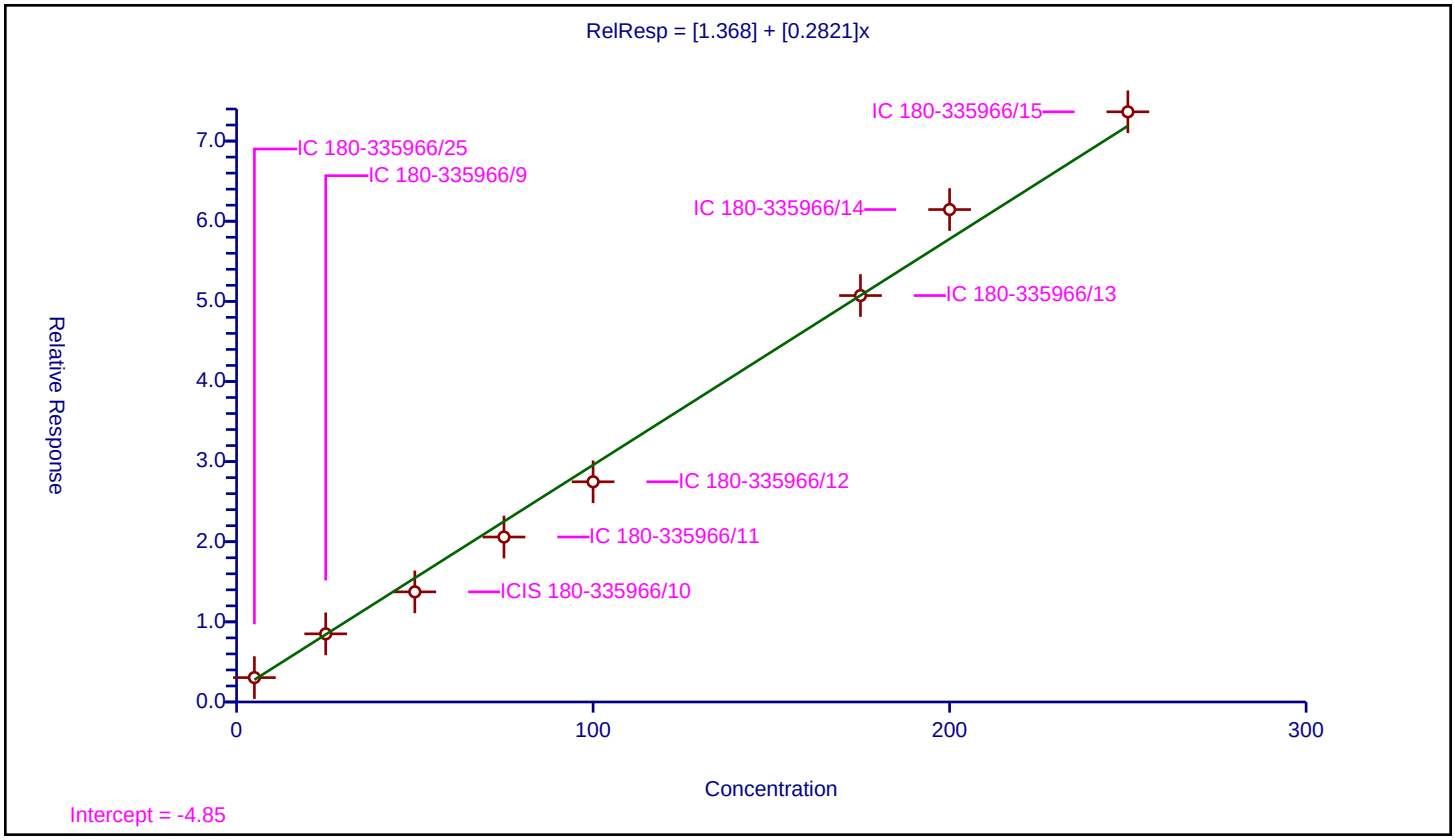
Curve Coefficients

Intercept:	1.368
Slope:	0.2821

Error Coefficients

Standard Error:	556000
Relative Standard Error:	10.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.041803	50.0	399089.0	0.608361	Y
2	IC 180-335966/9	25.0	8.505701	50.0	608098.0	0.340228	Y
3	ICIS 180-335966/10	50.0	13.743417	50.0	659614.0	0.274868	Y
4	IC 180-335966/11	75.0	20.586927	50.0	633929.0	0.274492	Y
5	IC 180-335966/12	100.0	27.48041	50.0	603499.0	0.274804	Y
6	IC 180-335966/13	175.0	50.721455	50.0	557831.0	0.289837	Y
7	IC 180-335966/14	200.0	61.455214	50.0	596785.0	0.307276	Y
8	IC 180-335966/15	250.0	73.651462	50.0	597851.0	0.294606	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

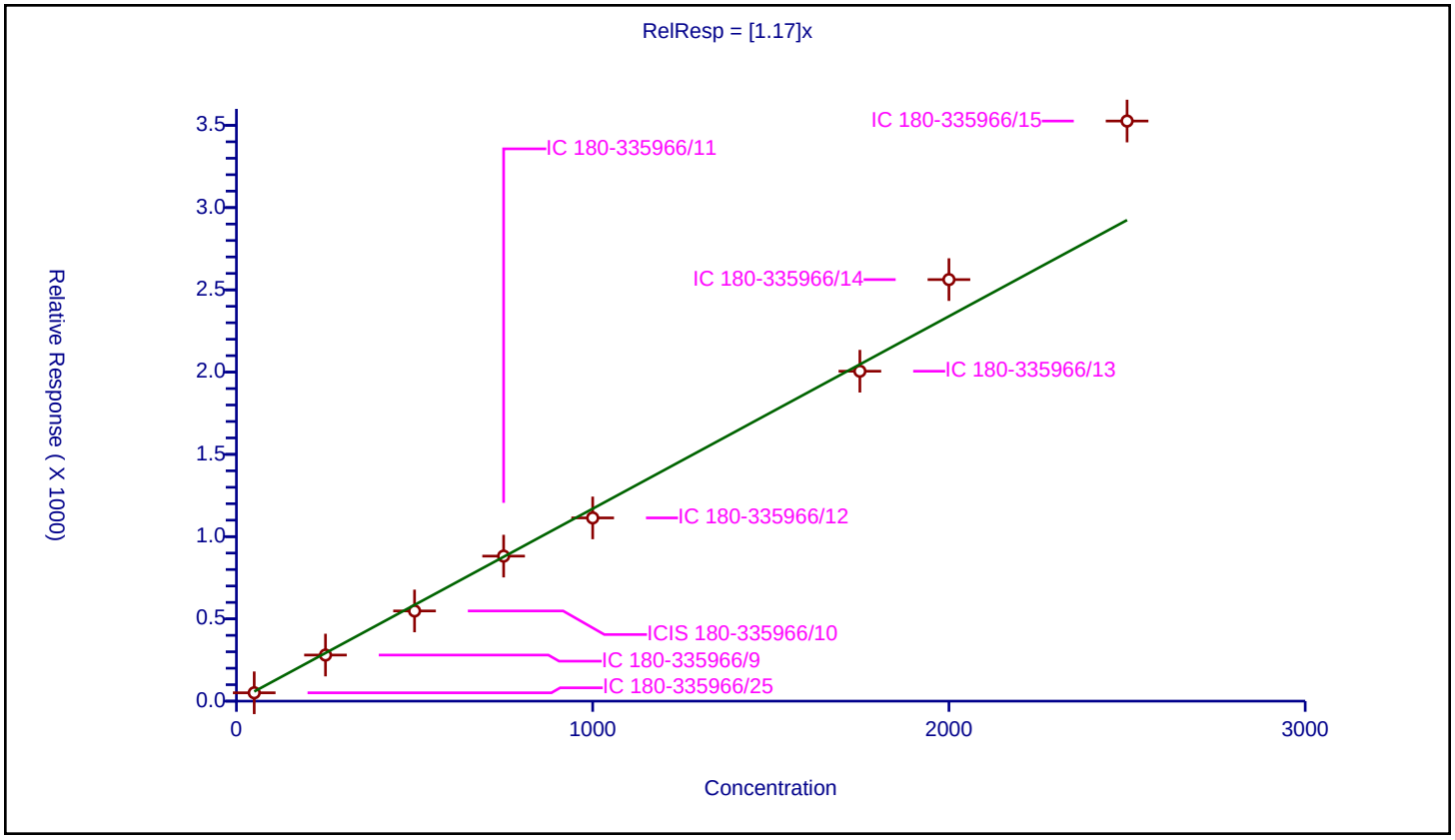
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	456000
Relative Standard Error:	10.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	50.0	50.683049	1000.0	153503.0	1.013661	Y
2	IC 180-335966/9	250.0	280.11595	1000.0	208021.0	1.120464	Y
3	ICIS 180-335966/10	500.0	548.273682	1000.0	216733.0	1.096547	Y
4	IC 180-335966/11	750.0	881.556972	1000.0	216754.0	1.175409	Y
5	IC 180-335966/12	1000.0	1113.775686	1000.0	226094.0	1.113776	Y
6	IC 180-335966/13	1750.0	2005.47951	1000.0	237065.0	1.145988	Y
7	IC 180-335966/14	2000.0	2562.347682	1000.0	252760.0	1.281174	Y
8	IC 180-335966/15	2500.0	3526.223696	1000.0	238315.0	1.410489	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

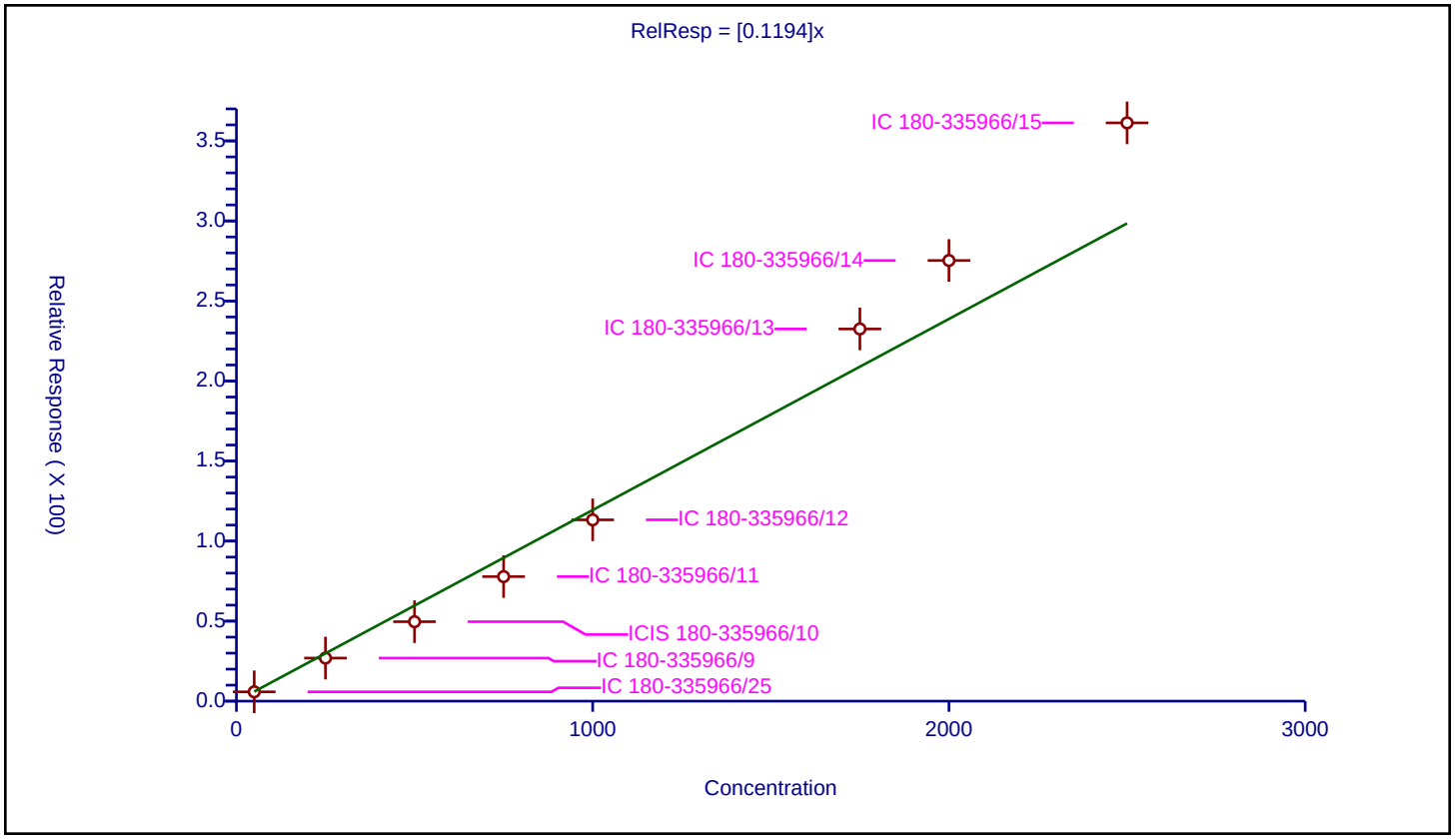
Curve Coefficients

Intercept:	0
Slope:	0.1194

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	14.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	50.0	5.810233	50.0	399089.0	0.116205	Y
2	IC 180-335966/9	250.0	26.903312	50.0	608098.0	0.107613	Y
3	ICIS 180-335966/10	500.0	49.626524	50.0	659614.0	0.099253	Y
4	IC 180-335966/11	750.0	77.805322	50.0	633929.0	0.10374	Y
5	IC 180-335966/12	1000.0	113.250809	50.0	603499.0	0.113251	Y
6	IC 180-335966/13	1750.0	232.506799	50.0	557831.0	0.132861	Y
7	IC 180-335966/14	2000.0	275.294118	50.0	596785.0	0.137647	Y
8	IC 180-335966/15	2500.0	361.267774	50.0	597851.0	0.144507	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

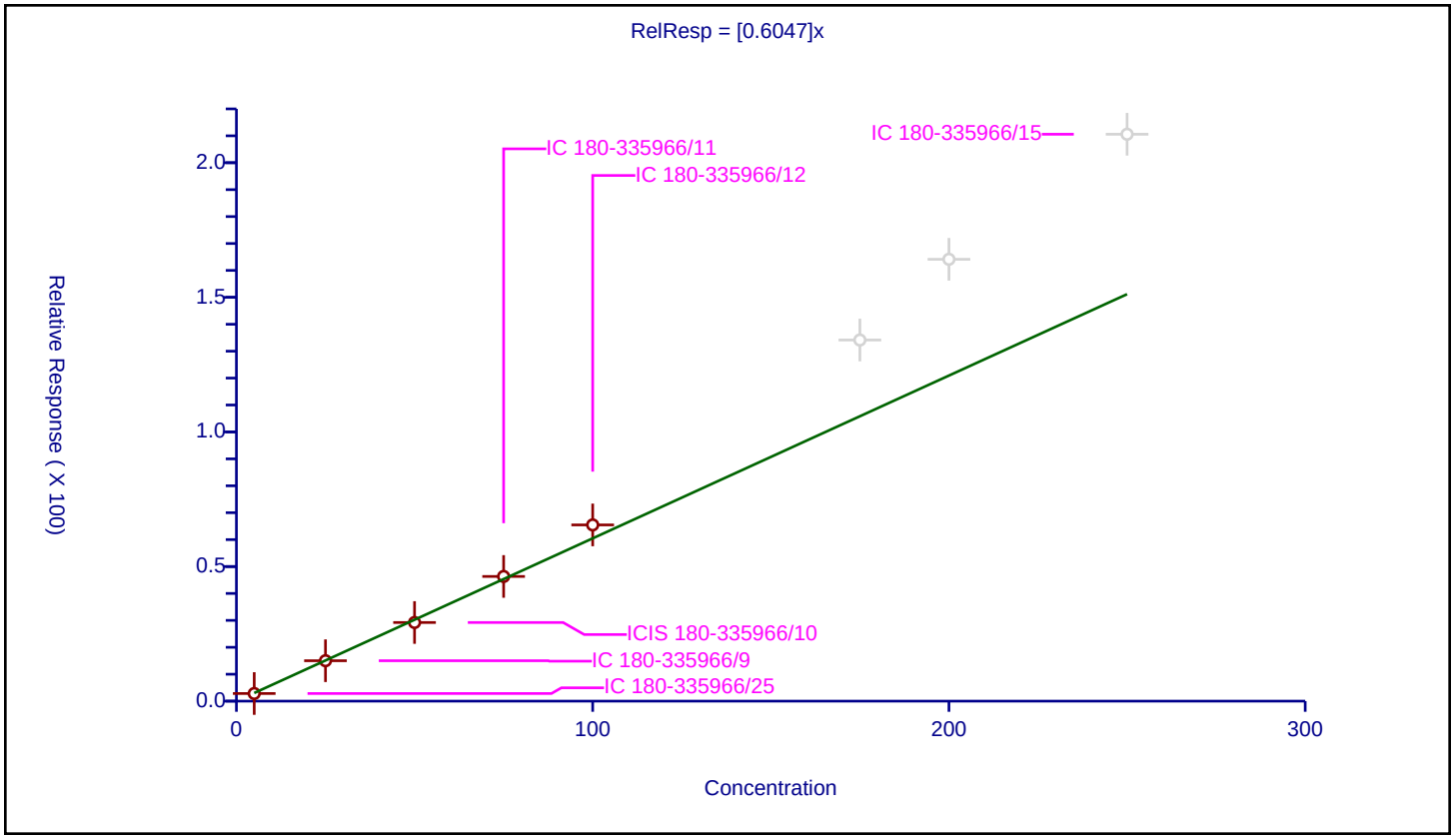
Curve Coefficients

Intercept:	0
Slope:	0.6047

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.832326	50.0	399089.0	0.566465	Y
2	IC 180-335966/9	25.0	15.014274	50.0	608098.0	0.600571	Y
3	ICIS 180-335966/10	50.0	29.211781	50.0	659614.0	0.584236	Y
4	IC 180-335966/11	75.0	46.316543	50.0	633929.0	0.617554	Y
5	IC 180-335966/12	100.0	65.462909	50.0	603499.0	0.654629	Y
6	IC 180-335966/13	175.0	134.145736	50.0	557831.0	0.766547	N
7	IC 180-335966/14	200.0	164.129544	50.0	596785.0	0.820648	N
8	IC 180-335966/15	250.0	210.578221	50.0	597851.0	0.842313	N



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

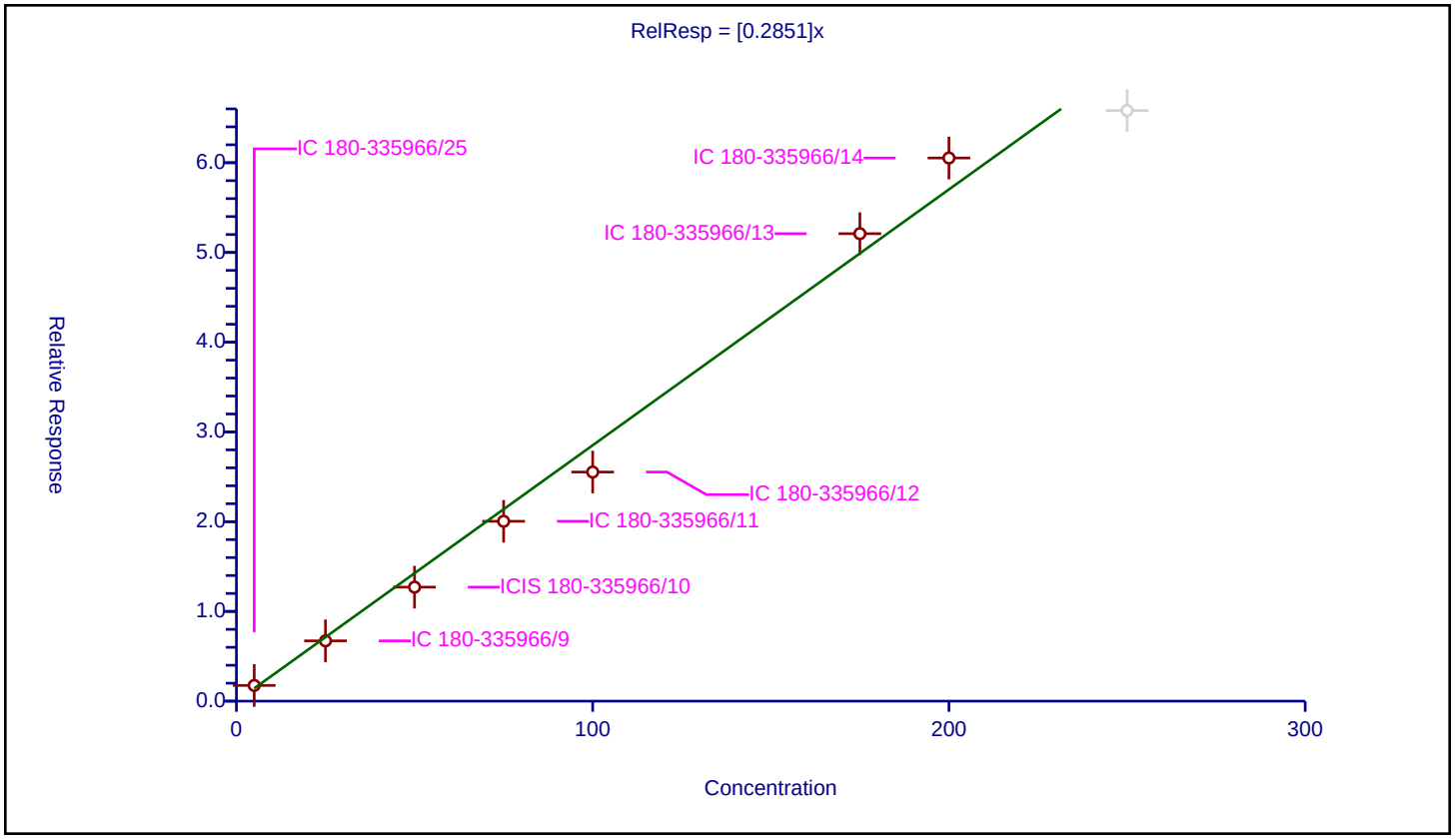
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Standard Error:	419000
Relative Standard Error:	12.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.750612	50.0	399089.0	0.350122	Y
2	IC 180-335966/9	25.0	6.719229	50.0	608098.0	0.268769	Y
3	ICIS 180-335966/10	50.0	12.704172	50.0	659614.0	0.254083	Y
4	IC 180-335966/11	75.0	20.04144	50.0	633929.0	0.267219	Y
5	IC 180-335966/12	100.0	25.531111	50.0	603499.0	0.255311	Y
6	IC 180-335966/13	175.0	52.093017	50.0	557831.0	0.297674	Y
7	IC 180-335966/14	200.0	60.525985	50.0	596785.0	0.30263	Y
8	IC 180-335966/15	250.0	65.818908	50.0	597851.0	0.263276	N



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

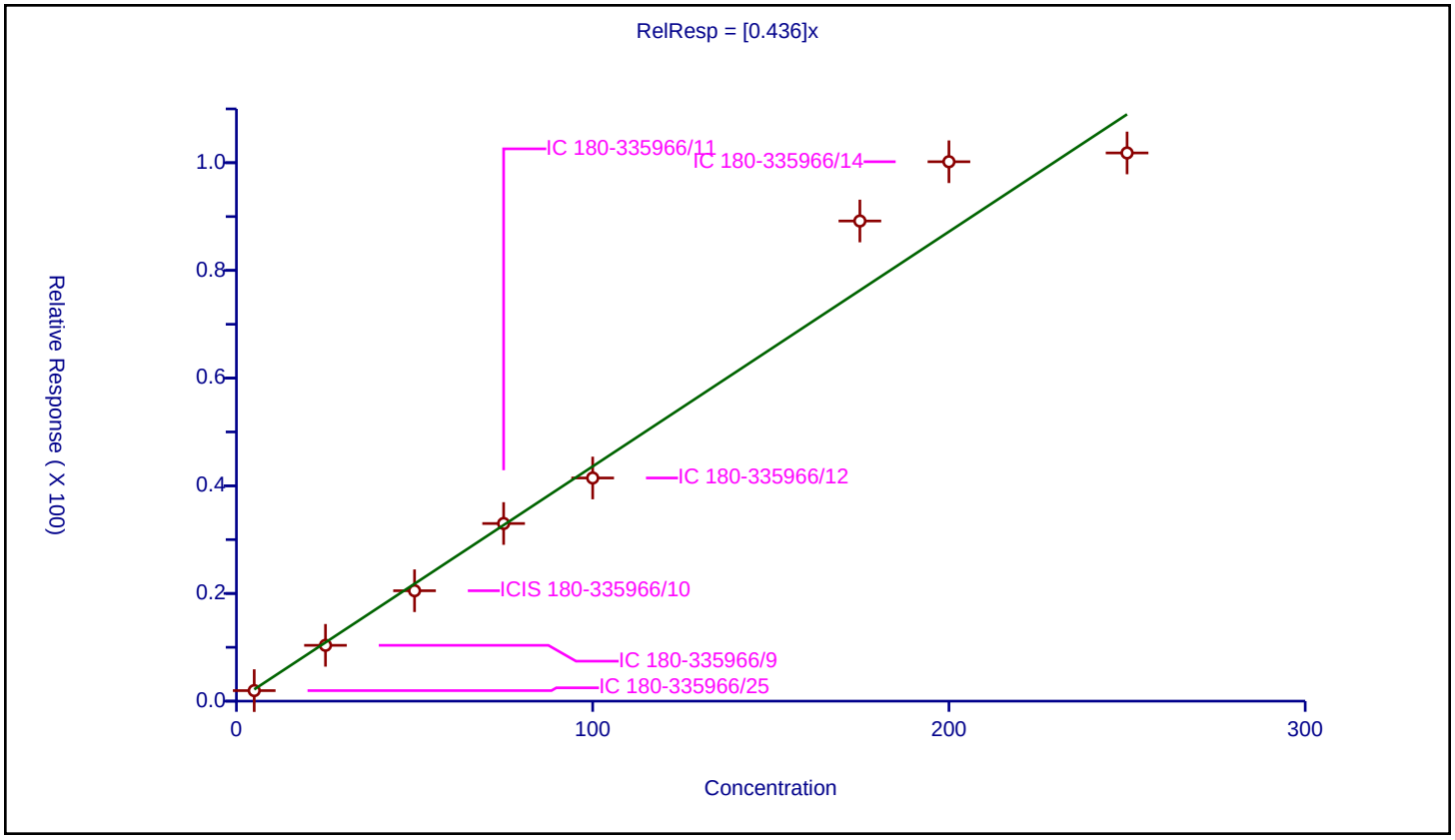
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	794000
Relative Standard Error:	10.3
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.955203	50.0	399089.0	0.391041	Y
2	IC 180-335966/9	25.0	10.363708	50.0	608098.0	0.414548	Y
3	ICIS 180-335966/10	50.0	20.505098	50.0	659614.0	0.410102	Y
4	IC 180-335966/11	75.0	32.9936	50.0	633929.0	0.439915	Y
5	IC 180-335966/12	100.0	41.448702	50.0	603499.0	0.414487	Y
6	IC 180-335966/13	175.0	89.178353	50.0	557831.0	0.509591	Y
7	IC 180-335966/14	200.0	100.185243	50.0	596785.0	0.500926	Y
8	IC 180-335966/15	250.0	101.819266	50.0	597851.0	0.407277	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

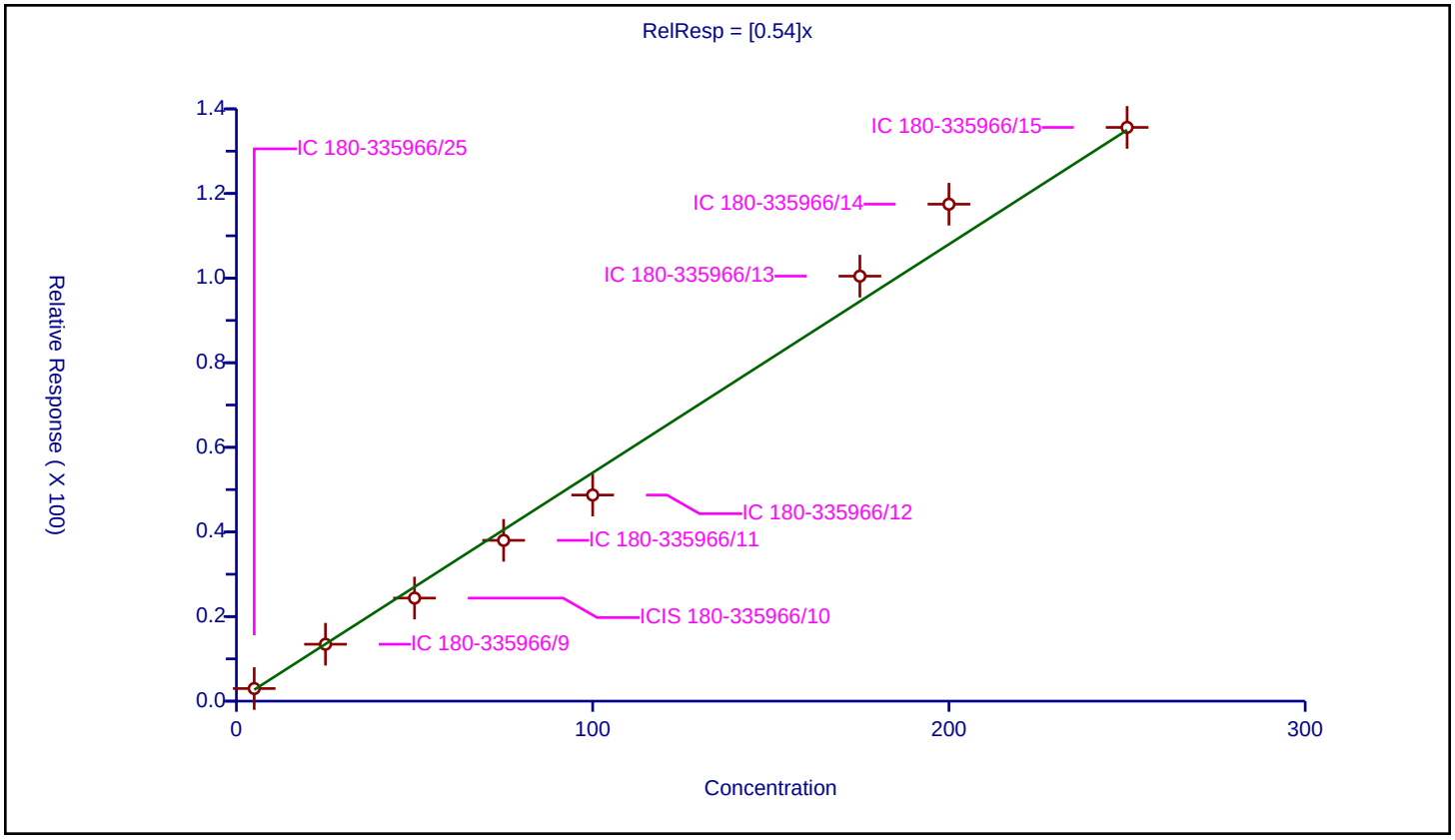
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	968000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.983294	50.0	399089.0	0.596659	Y
2	IC 180-335966/9	25.0	13.454328	50.0	608098.0	0.538173	Y
3	ICIS 180-335966/10	50.0	24.361596	50.0	659614.0	0.487232	Y
4	IC 180-335966/11	75.0	38.010171	50.0	633929.0	0.506802	Y
5	IC 180-335966/12	100.0	48.719882	50.0	603499.0	0.487199	Y
6	IC 180-335966/13	175.0	100.460265	50.0	557831.0	0.574059	Y
7	IC 180-335966/14	200.0	117.474802	50.0	596785.0	0.587374	Y
8	IC 180-335966/15	250.0	135.625264	50.0	597851.0	0.542501	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

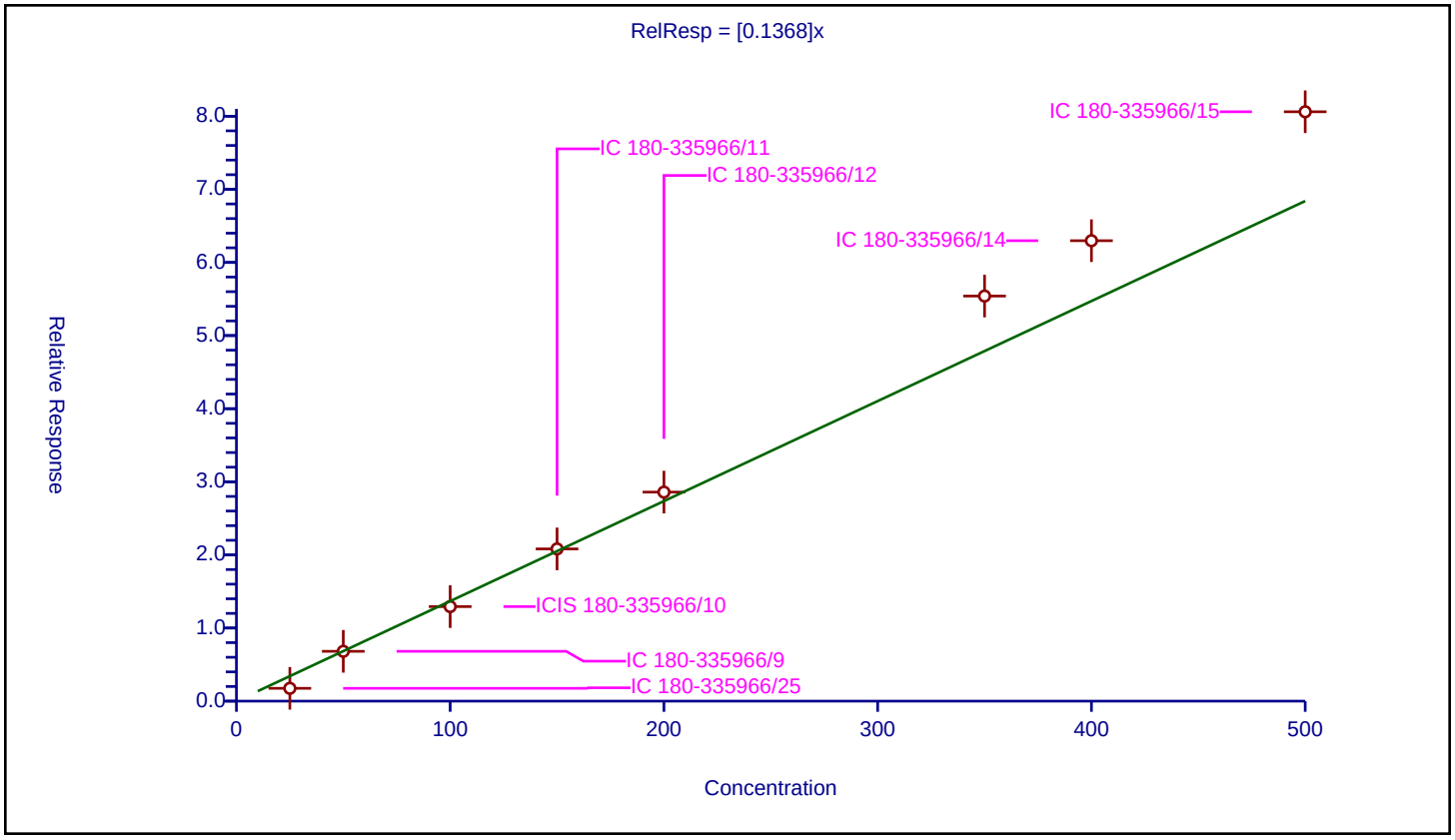
Curve Coefficients

Intercept:	0
Slope:	0.1368

Error Coefficients

Standard Error:	548000
Relative Standard Error:	21.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	1.753118	50.0	399089.0	0.070125	Y
2	IC 180-335966/9	50.0	6.81206	50.0	608098.0	0.136241	Y
3	ICIS 180-335966/10	100.0	12.929607	50.0	659614.0	0.129296	Y
4	IC 180-335966/11	150.0	20.819682	50.0	633929.0	0.138798	Y
5	IC 180-335966/12	200.0	28.588531	50.0	603499.0	0.142943	Y
6	IC 180-335966/13	350.0	55.404325	50.0	557831.0	0.158298	Y
7	IC 180-335966/14	400.0	62.972176	50.0	596785.0	0.15743	Y
8	IC 180-335966/15	500.0	80.607794	50.0	597851.0	0.161216	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

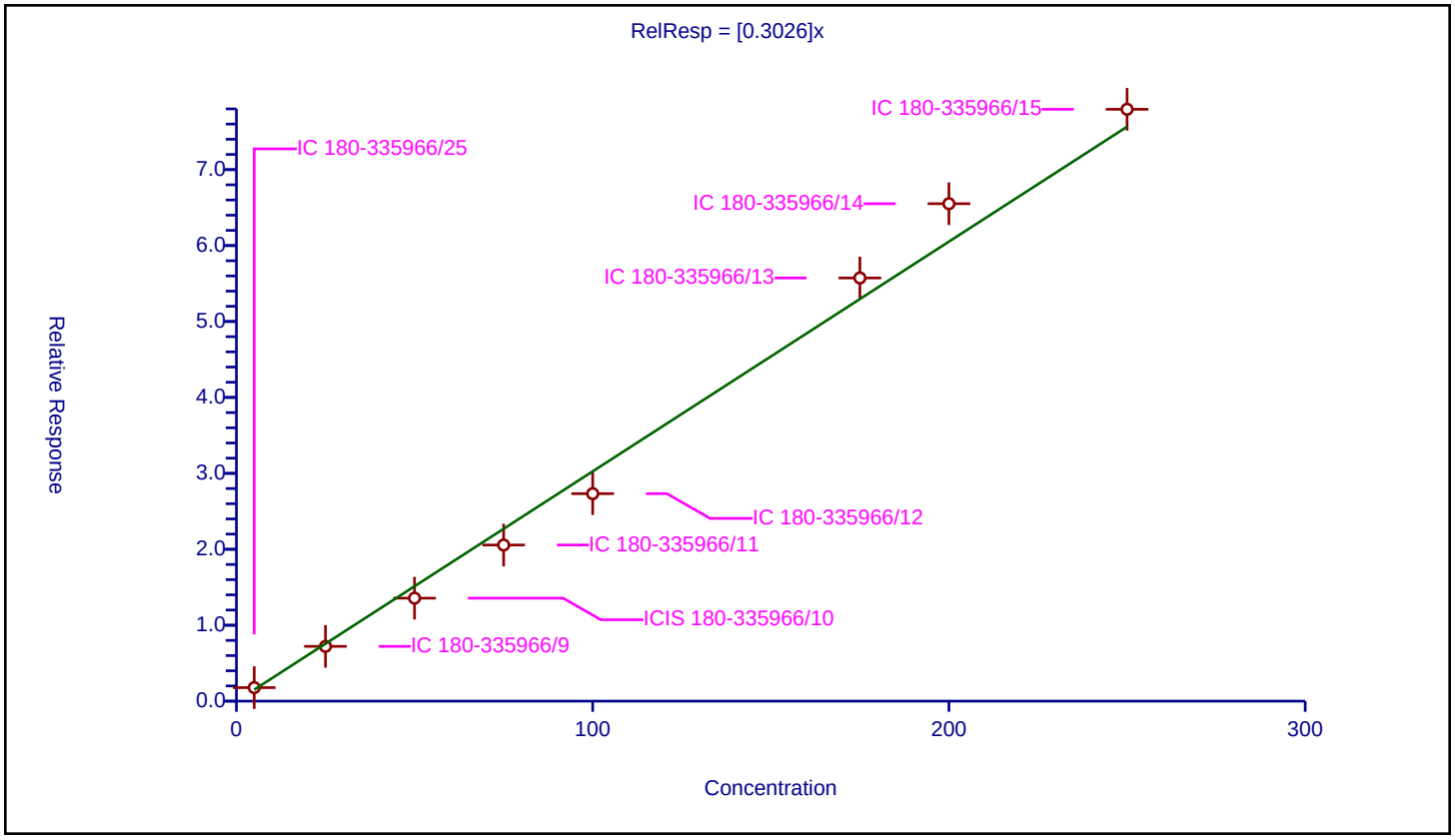
Curve Coefficients

Intercept:	0
Slope:	0.3026

Error Coefficients

Standard Error:	545000
Relative Standard Error:	10.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.778676	50.0	399089.0	0.355735	Y
2	IC 180-335966/9	25.0	7.214791	50.0	608098.0	0.288592	Y
3	ICIS 180-335966/10	50.0	13.563387	50.0	659614.0	0.271268	Y
4	IC 180-335966/11	75.0	20.560347	50.0	633929.0	0.274138	Y
5	IC 180-335966/12	100.0	27.325729	50.0	603499.0	0.273257	Y
6	IC 180-335966/13	175.0	55.733098	50.0	557831.0	0.318475	Y
7	IC 180-335966/14	200.0	65.510779	50.0	596785.0	0.327554	Y
8	IC 180-335966/15	250.0	77.946846	50.0	597851.0	0.311787	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

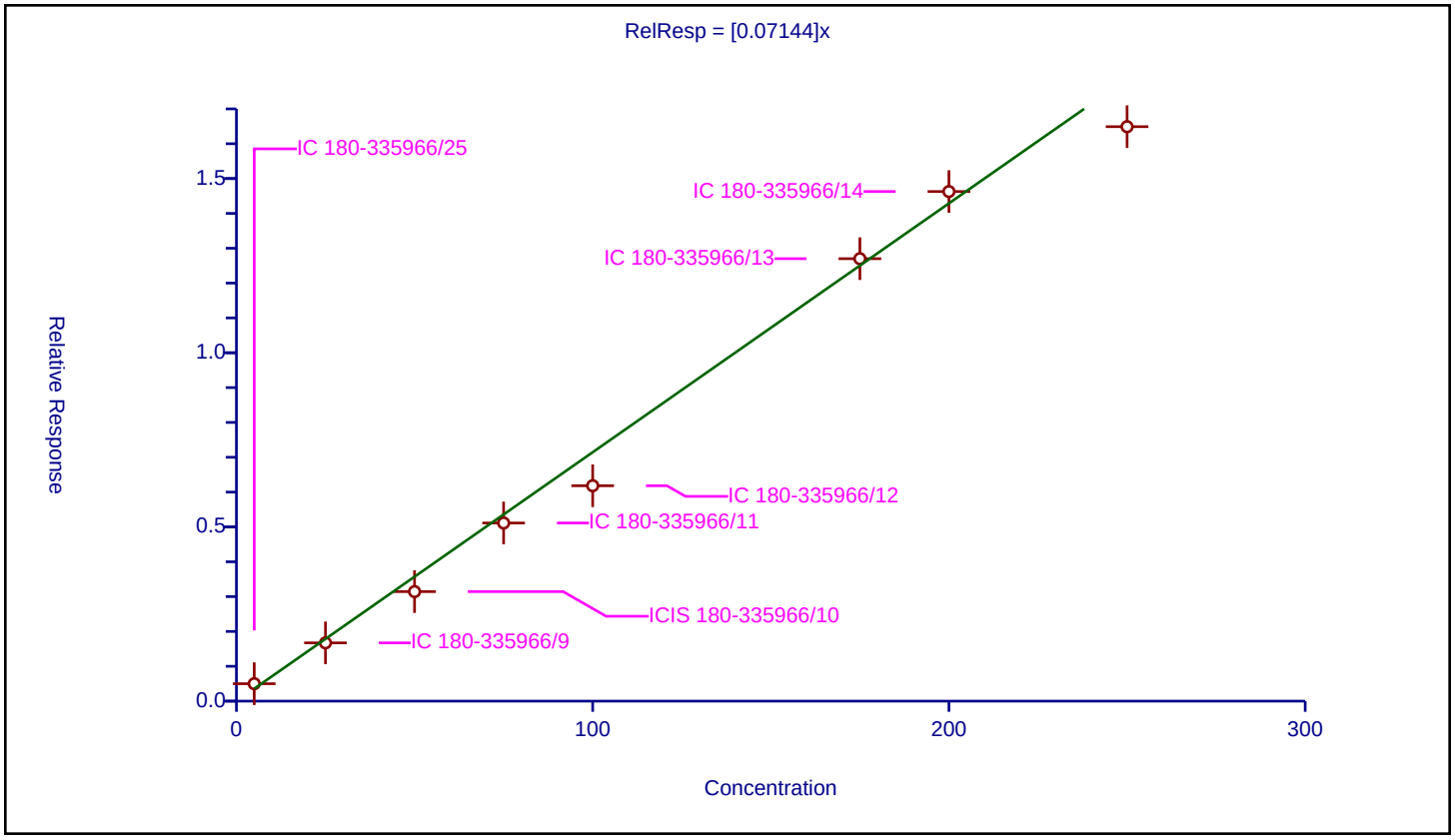
Curve Coefficients

Intercept:	0
Slope:	0.07144

Error Coefficients

Standard Error:	120000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.500515	50.0	399089.0	0.100103	Y
2	IC 180-335966/9	25.0	1.672346	50.0	608098.0	0.066894	Y
3	ICIS 180-335966/10	50.0	3.143733	50.0	659614.0	0.062875	Y
4	IC 180-335966/11	75.0	5.11327	50.0	633929.0	0.068177	Y
5	IC 180-335966/12	100.0	6.182612	50.0	603499.0	0.061826	Y
6	IC 180-335966/13	175.0	12.700083	50.0	557831.0	0.072572	Y
7	IC 180-335966/14	200.0	14.627462	50.0	596785.0	0.073137	Y
8	IC 180-335966/15	250.0	16.489058	50.0	597851.0	0.065956	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

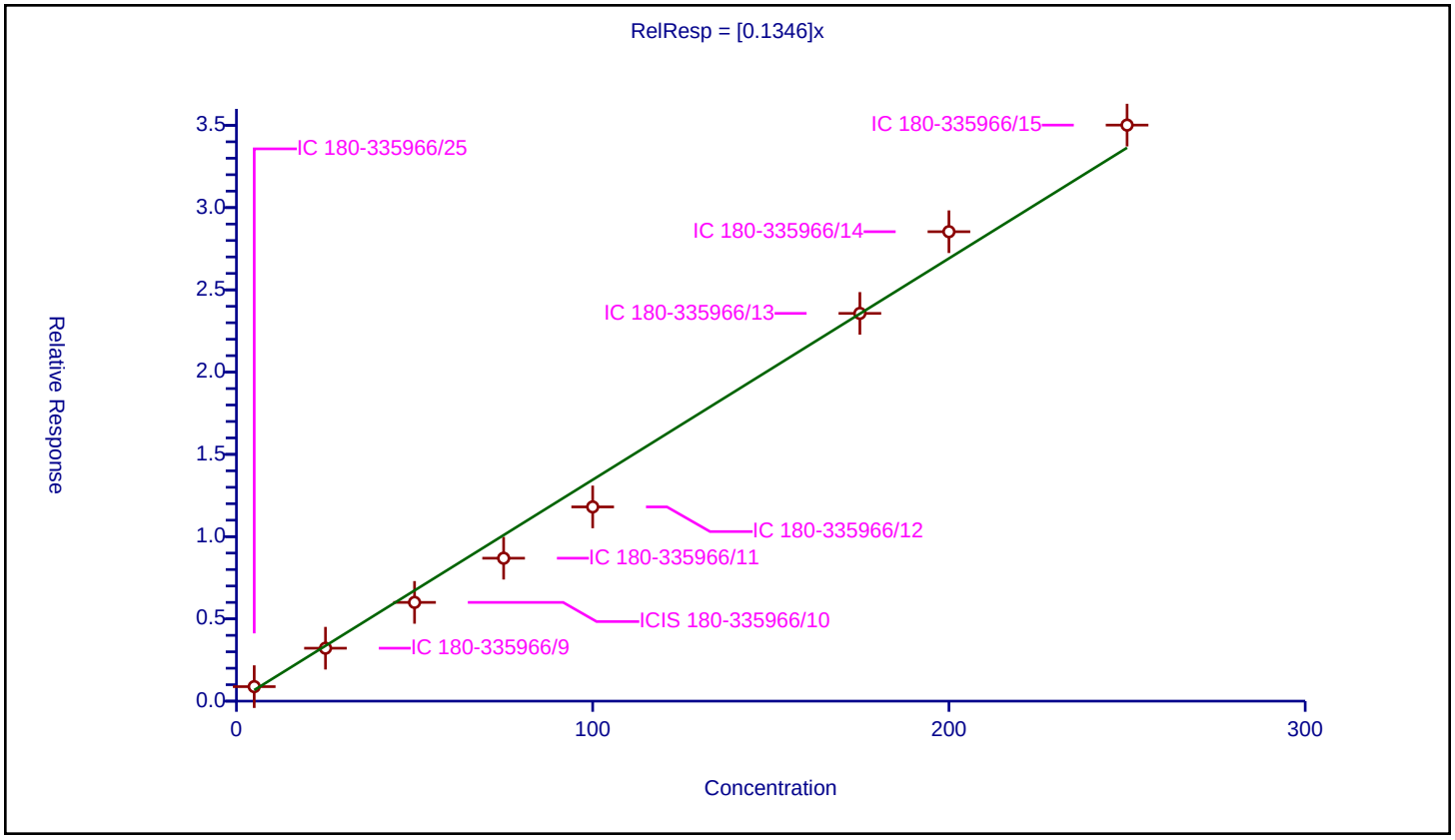
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Standard Error:	239000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.881883	50.0	399089.0	0.176377	Y
2	IC 180-335966/9	25.0	3.217573	50.0	608098.0	0.128703	Y
3	ICIS 180-335966/10	50.0	6.002147	50.0	659614.0	0.120043	Y
4	IC 180-335966/11	75.0	8.687803	50.0	633929.0	0.115837	Y
5	IC 180-335966/12	100.0	11.806399	50.0	603499.0	0.118064	Y
6	IC 180-335966/13	175.0	23.569594	50.0	557831.0	0.134683	Y
7	IC 180-335966/14	200.0	28.53557	50.0	596785.0	0.142678	Y
8	IC 180-335966/15	250.0	35.015832	50.0	597851.0	0.140063	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

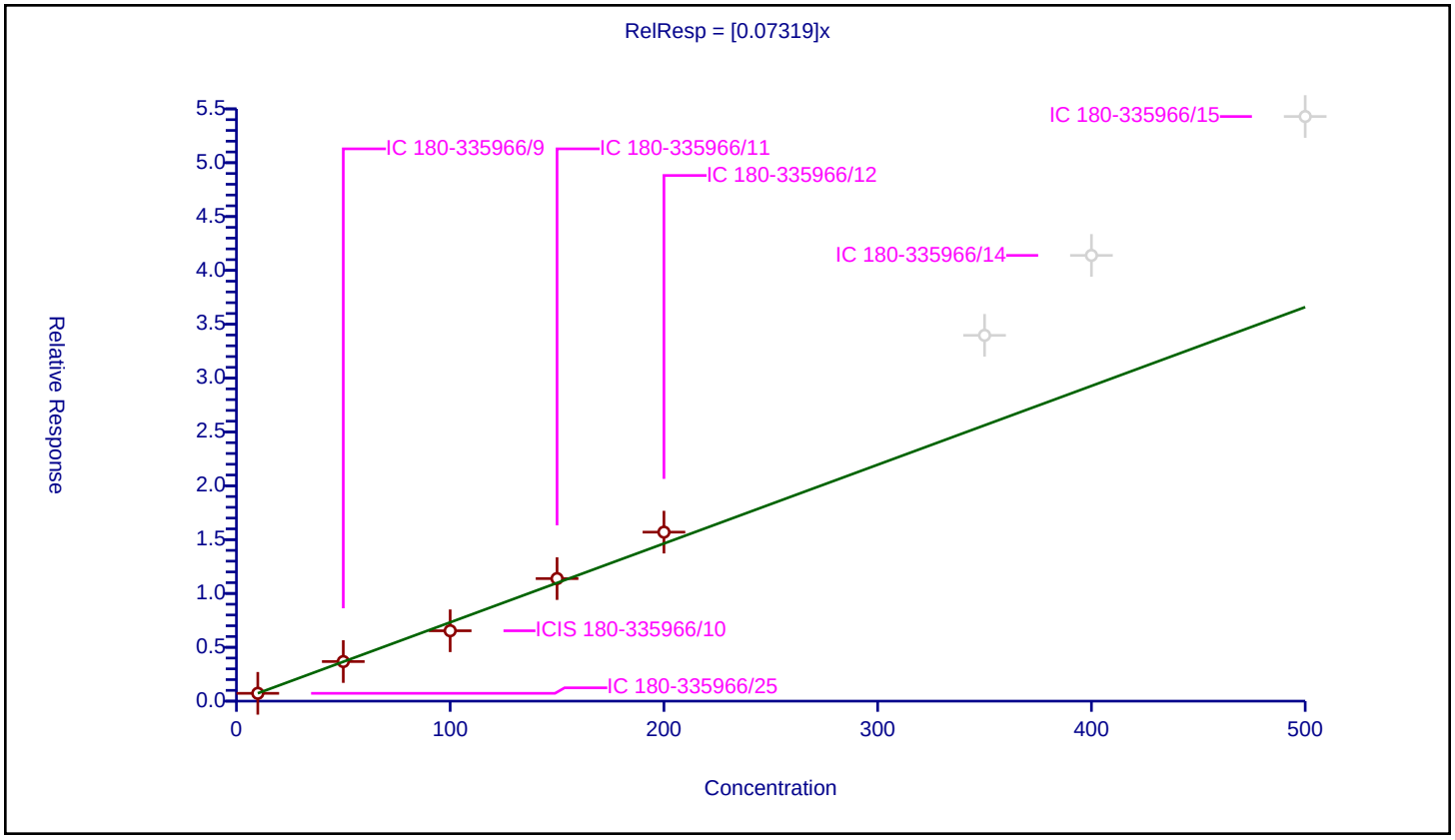
Curve Coefficients

Intercept:	0
Slope:	0.07319

Error Coefficients

Standard Error:	129000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	10.0	0.726655	50.0	399089.0	0.072665	Y
2	IC 180-335966/9	50.0	3.677532	50.0	608098.0	0.073551	Y
3	ICIS 180-335966/10	100.0	6.53602	50.0	659614.0	0.06536	Y
4	IC 180-335966/11	150.0	11.381164	50.0	633929.0	0.075874	Y
5	IC 180-335966/12	200.0	15.696132	50.0	603499.0	0.078481	Y
6	IC 180-335966/13	350.0	33.970235	50.0	557831.0	0.097058	N
7	IC 180-335966/14	400.0	41.392964	50.0	596785.0	0.103482	N
8	IC 180-335966/15	500.0	54.291454	50.0	597851.0	0.108583	N



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

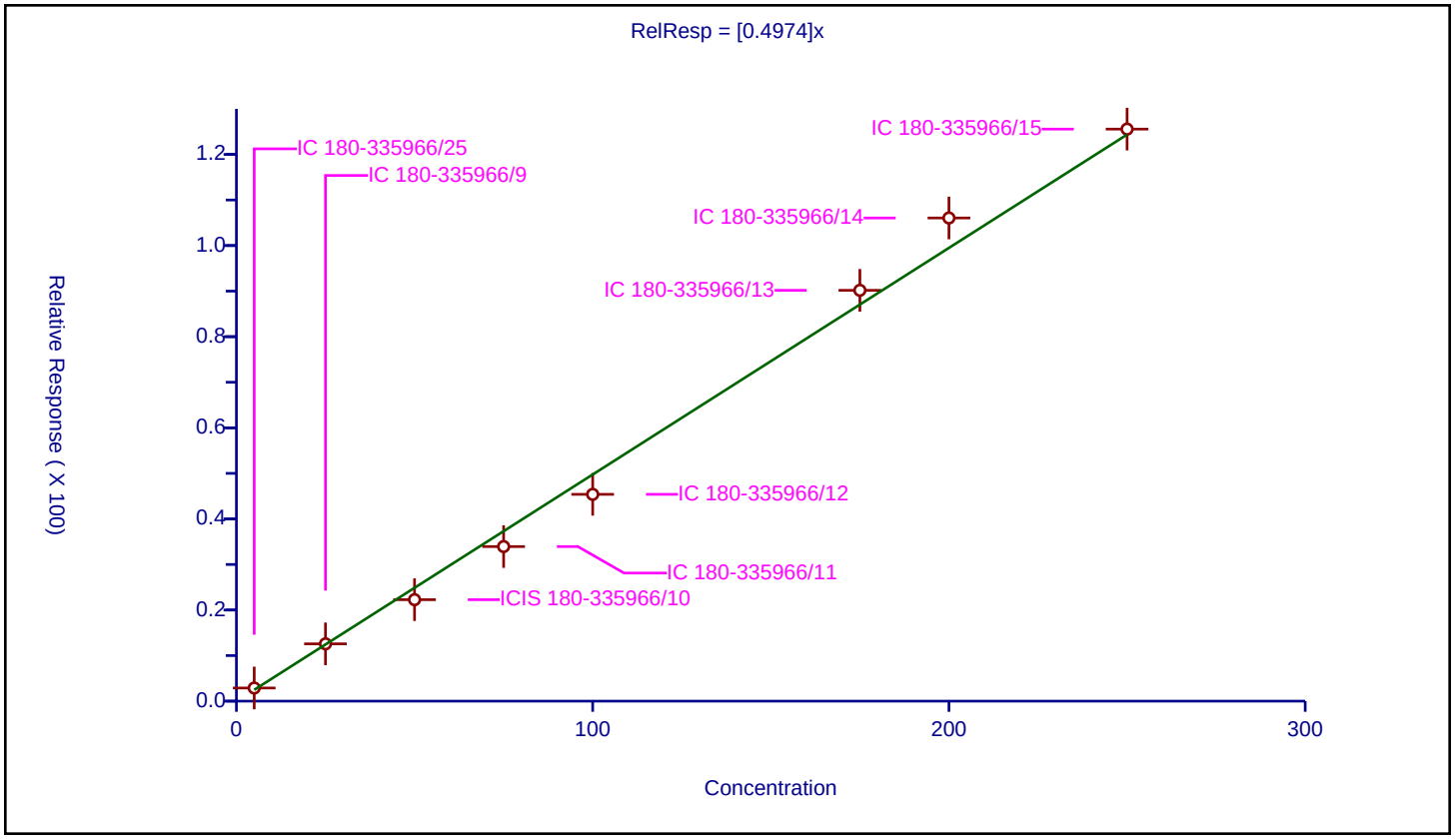
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	883000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.884068	50.0	399089.0	0.576814	Y
2	IC 180-335966/9	25.0	12.575276	50.0	608098.0	0.503011	Y
3	ICIS 180-335966/10	50.0	22.272723	50.0	659614.0	0.445454	Y
4	IC 180-335966/11	75.0	33.931008	50.0	633929.0	0.452413	Y
5	IC 180-335966/12	100.0	45.391625	50.0	603499.0	0.453916	Y
6	IC 180-335966/13	175.0	90.176864	50.0	557831.0	0.515296	Y
7	IC 180-335966/14	200.0	106.055196	50.0	596785.0	0.530276	Y
8	IC 180-335966/15	250.0	125.563309	50.0	597851.0	0.502253	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

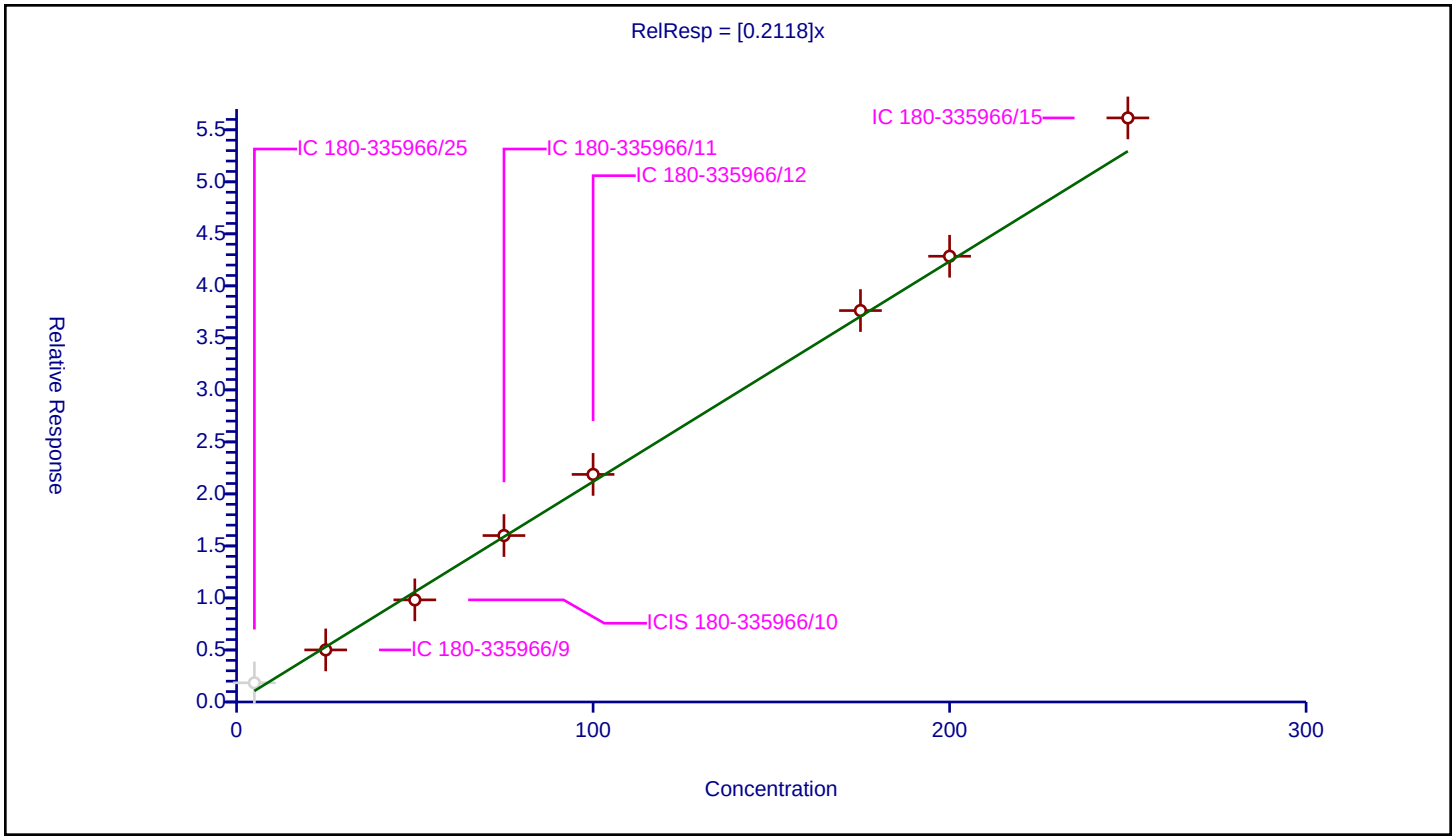
Curve Coefficients

Intercept:	0
Slope:	0.2118

Error Coefficients

Standard Error:	412000
Relative Standard Error:	4.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.842321	50.0	399089.0	0.368464	N
2	IC 180-335966/9	25.0	5.005114	50.0	608098.0	0.200205	Y
3	ICIS 180-335966/10	50.0	9.815059	50.0	659614.0	0.196301	Y
4	IC 180-335966/11	75.0	15.99911	50.0	633929.0	0.213321	Y
5	IC 180-335966/12	100.0	21.877998	50.0	603499.0	0.21878	Y
6	IC 180-335966/13	175.0	37.627077	50.0	557831.0	0.215012	Y
7	IC 180-335966/14	200.0	42.848011	50.0	596785.0	0.21424	Y
8	IC 180-335966/15	250.0	56.142668	50.0	597851.0	0.224571	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

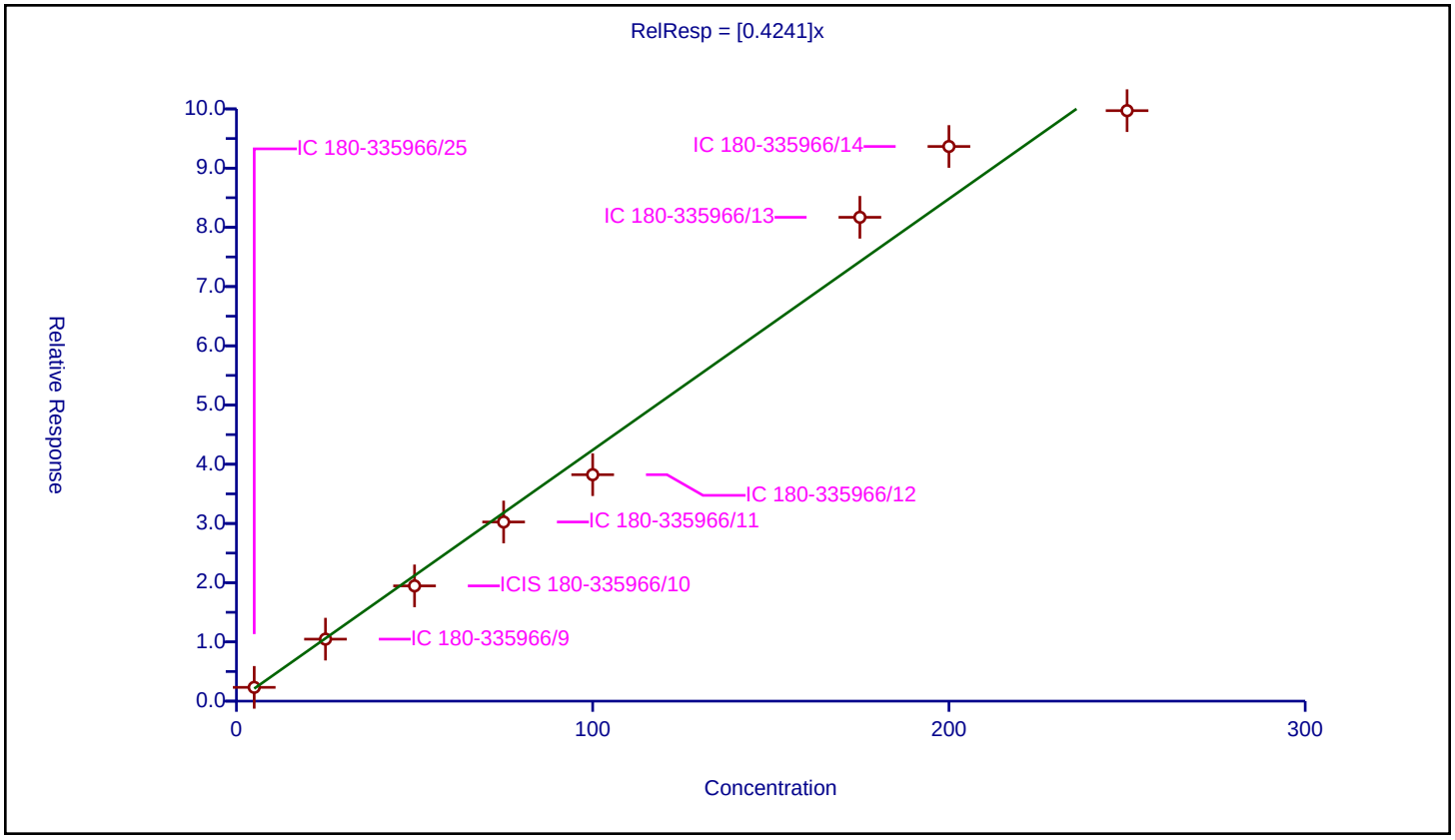
Curve Coefficients

Intercept:	0
Slope:	0.4241

Error Coefficients

Standard Error:	751000
Relative Standard Error:	8.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.325045	50.0	399089.0	0.465009	Y
2	IC 180-335966/9	25.0	10.466981	50.0	608098.0	0.418679	Y
3	ICIS 180-335966/10	50.0	19.462671	50.0	659614.0	0.389253	Y
4	IC 180-335966/11	75.0	30.251258	50.0	633929.0	0.40335	Y
5	IC 180-335966/12	100.0	38.234612	50.0	603499.0	0.382346	Y
6	IC 180-335966/13	175.0	81.69831	50.0	557831.0	0.466847	Y
7	IC 180-335966/14	200.0	93.652991	50.0	596785.0	0.468265	Y
8	IC 180-335966/15	250.0	99.701849	50.0	597851.0	0.398807	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

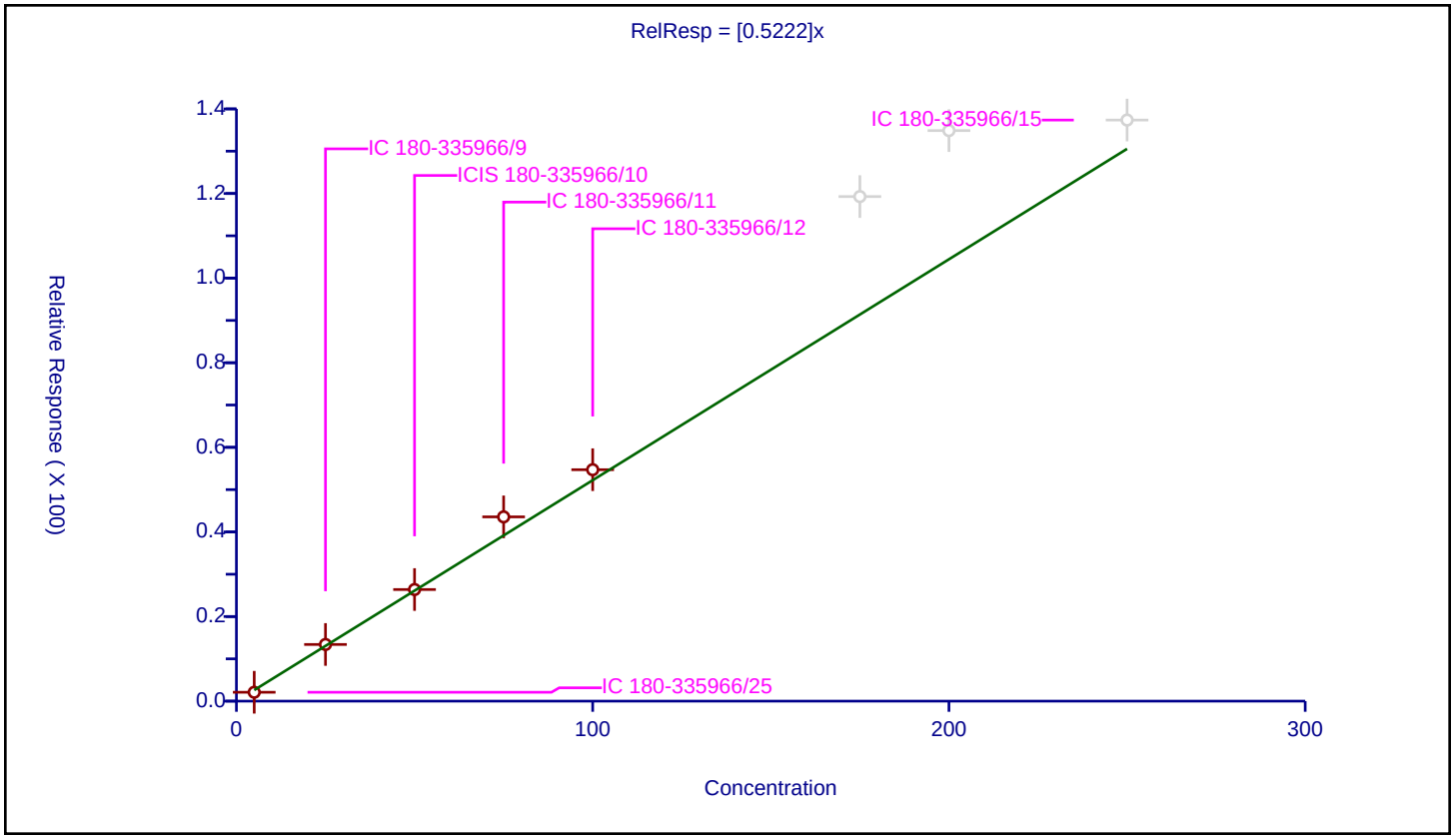
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Standard Error:	471000
Relative Standard Error:	11.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.099281	50.0	399089.0	0.419856	Y
2	IC 180-335966/9	25.0	13.394634	50.0	608098.0	0.535785	Y
3	ICIS 180-335966/10	50.0	26.380201	50.0	659614.0	0.527604	Y
4	IC 180-335966/11	75.0	43.557402	50.0	633929.0	0.580765	Y
5	IC 180-335966/12	100.0	54.707961	50.0	603499.0	0.54708	Y
6	IC 180-335966/13	175.0	119.272683	50.0	557831.0	0.681558	N
7	IC 180-335966/14	200.0	134.866912	50.0	596785.0	0.674335	N
8	IC 180-335966/15	250.0	137.363657	50.0	597851.0	0.549455	N



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

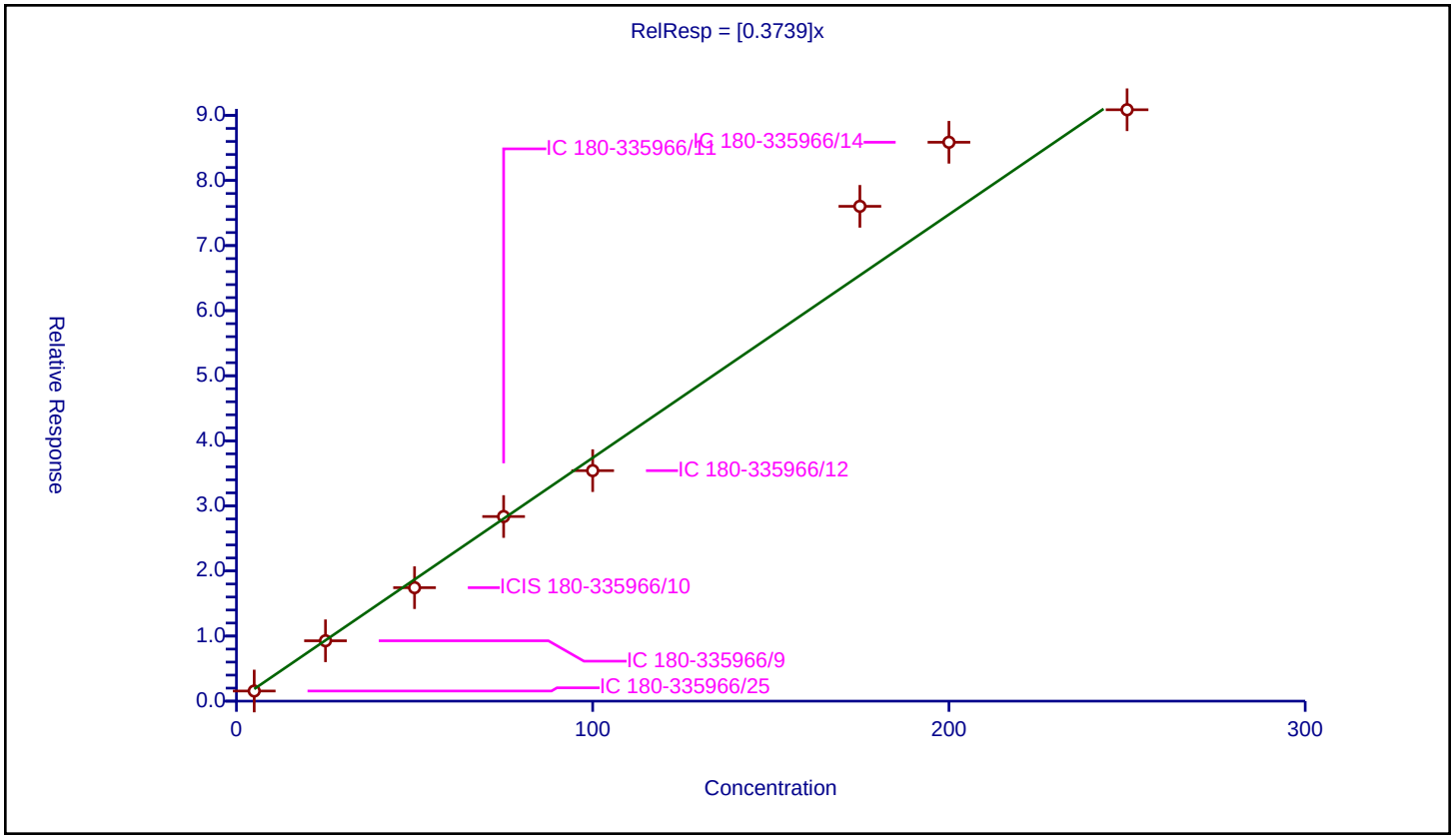
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Standard Error:	689000
Relative Standard Error:	11.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.558299	50.0	399089.0	0.31166	Y
2	IC 180-335966/9	25.0	9.274245	50.0	608098.0	0.37097	Y
3	ICIS 180-335966/10	50.0	17.433984	50.0	659614.0	0.34868	Y
4	IC 180-335966/11	75.0	28.365953	50.0	633929.0	0.378213	Y
5	IC 180-335966/12	100.0	35.415552	50.0	603499.0	0.354156	Y
6	IC 180-335966/13	175.0	76.030375	50.0	557831.0	0.434459	Y
7	IC 180-335966/14	200.0	85.870791	50.0	596785.0	0.429354	Y
8	IC 180-335966/15	250.0	90.869464	50.0	597851.0	0.363478	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

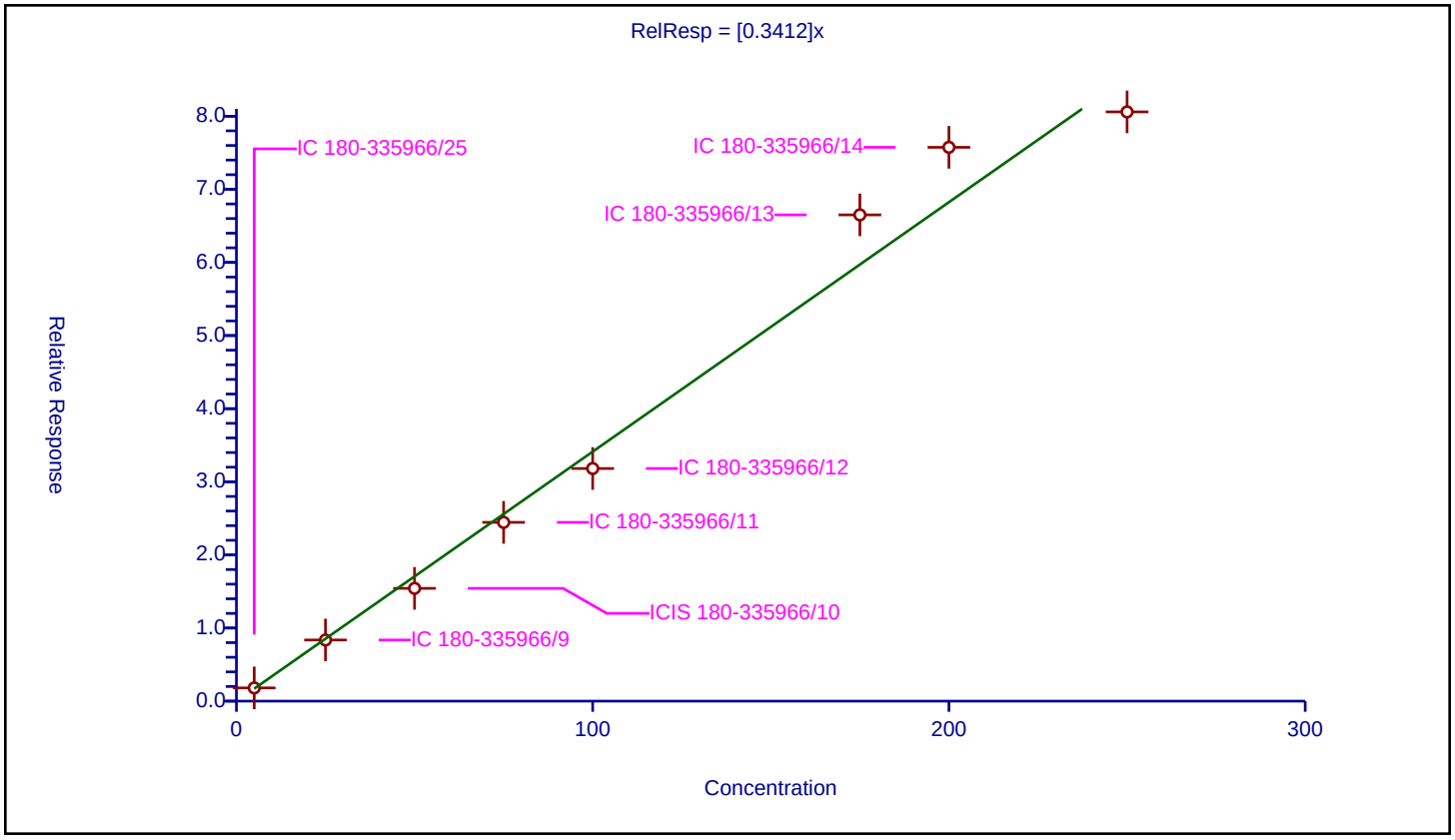
Curve Coefficients

Intercept:	0
Slope:	0.3412

Error Coefficients

Standard Error:	608000
Relative Standard Error:	8.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.806865	50.0	399089.0	0.361373	Y
2	IC 180-335966/9	25.0	8.362221	50.0	608098.0	0.334489	Y
3	ICIS 180-335966/10	50.0	15.424703	50.0	659614.0	0.308494	Y
4	IC 180-335966/11	75.0	24.450214	50.0	633929.0	0.326003	Y
5	IC 180-335966/12	100.0	31.816208	50.0	603499.0	0.318162	Y
6	IC 180-335966/13	175.0	66.506971	50.0	557831.0	0.38004	Y
7	IC 180-335966/14	200.0	75.744782	50.0	596785.0	0.378724	Y
8	IC 180-335966/15	250.0	80.593492	50.0	597851.0	0.322374	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

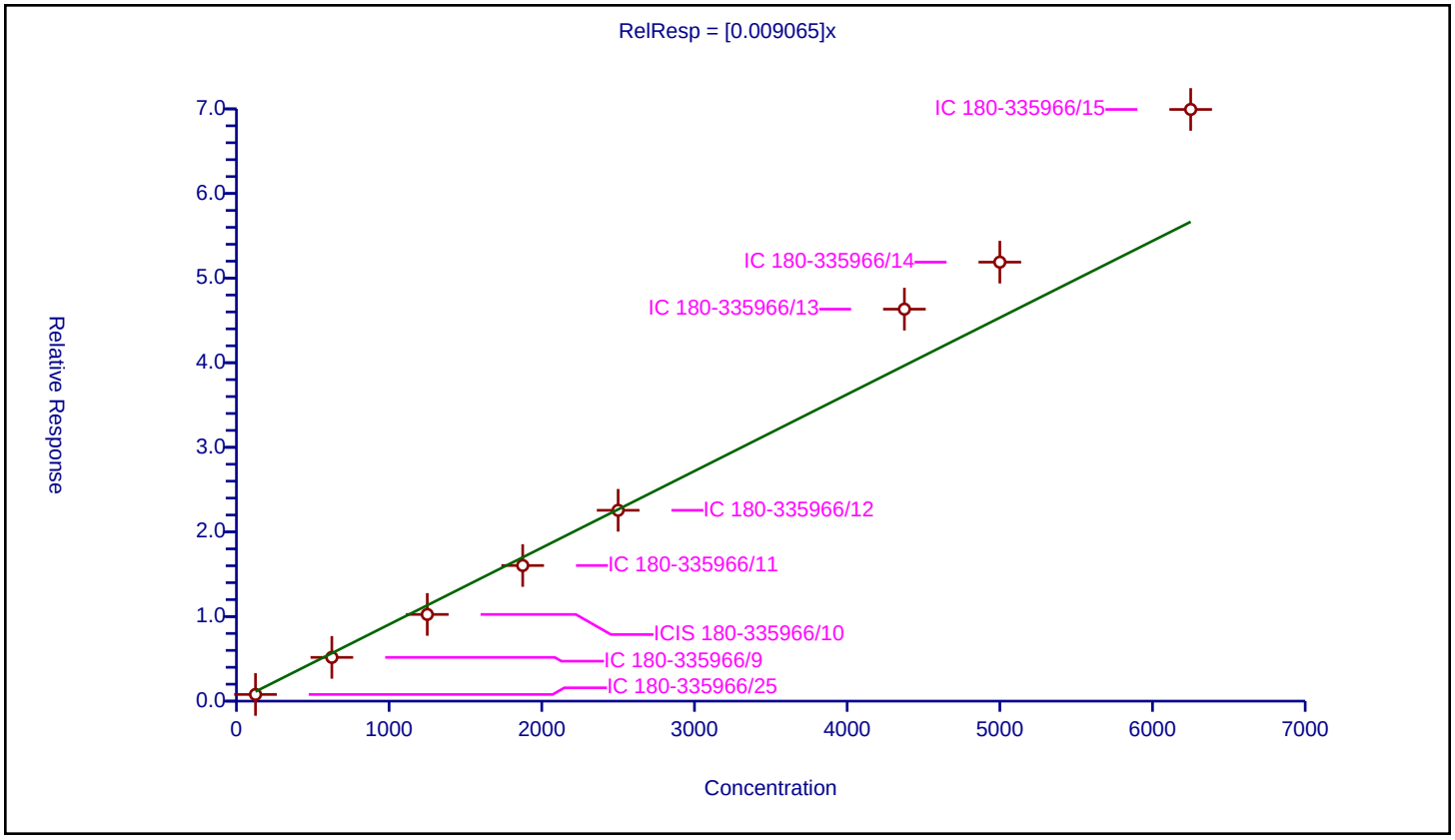
Curve Coefficients

Intercept:	0
Slope:	0.009065

Error Coefficients

Standard Error:	461000
Relative Standard Error:	17.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	125.0	0.789548	50.0	399089.0	0.006316	Y
2	IC 180-335966/9	625.0	5.171535	50.0	608098.0	0.008274	Y
3	ICIS 180-335966/10	1250.0	10.249631	50.0	659614.0	0.0082	Y
4	IC 180-335966/11	1875.0	16.031212	50.0	633929.0	0.00855	Y
5	IC 180-335966/12	2500.0	22.55563	50.0	603499.0	0.009022	Y
6	IC 180-335966/13	4375.0	46.329623	50.0	557831.0	0.01059	Y
7	IC 180-335966/14	5000.0	51.885269	50.0	596785.0	0.010377	Y
8	IC 180-335966/15	6250.0	69.935067	50.0	597851.0	0.01119	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

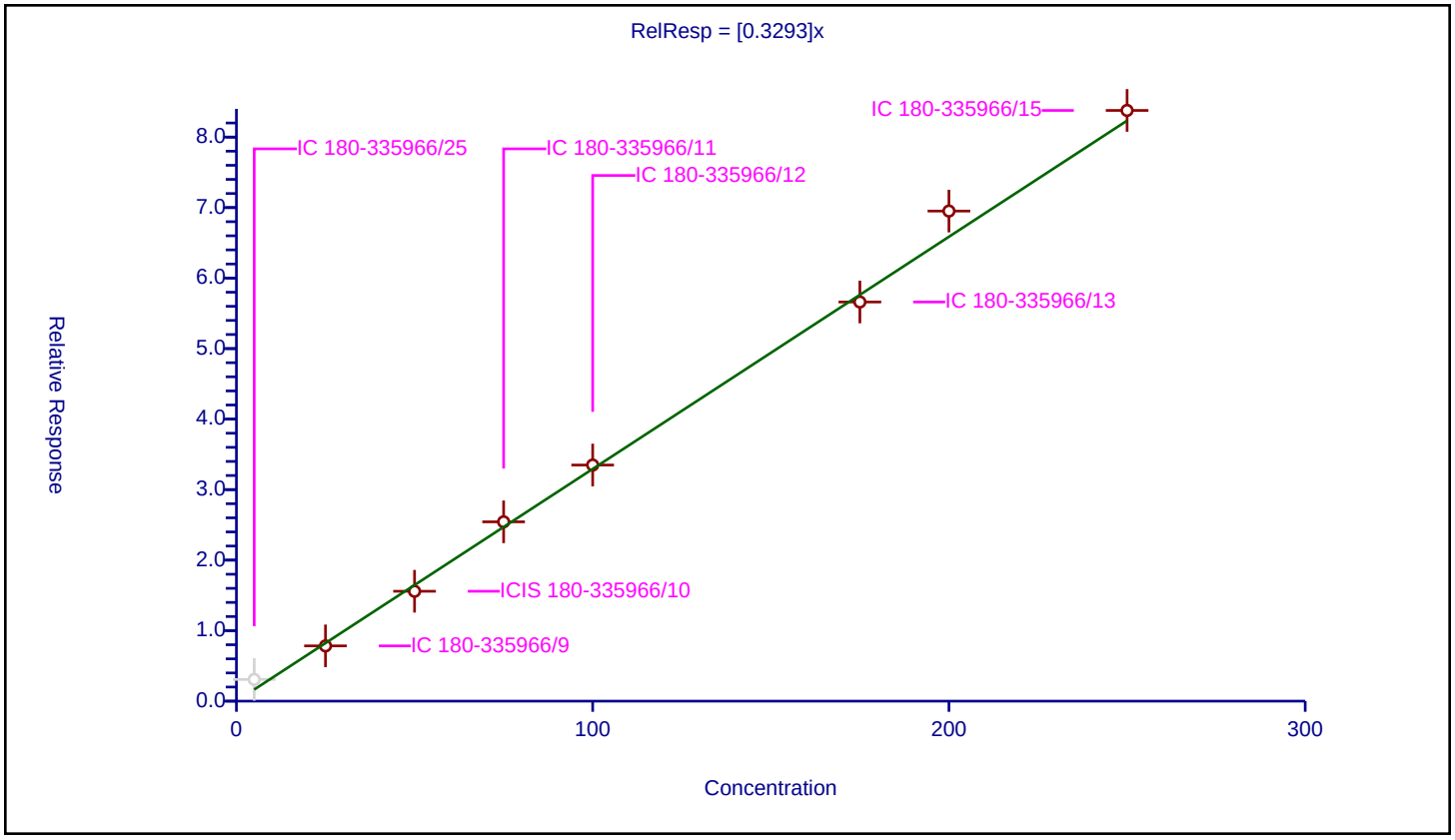
Curve Coefficients

Intercept:	0
Slope:	0.3293

Error Coefficients

Standard Error:	634000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.07776	50.0	399089.0	0.615552	N
2	IC 180-335966/9	25.0	7.834675	50.0	608098.0	0.313387	Y
3	ICIS 180-335966/10	50.0	15.583963	50.0	659614.0	0.311679	Y
4	IC 180-335966/11	75.0	25.432422	50.0	633929.0	0.339099	Y
5	IC 180-335966/12	100.0	33.487297	50.0	603499.0	0.334873	Y
6	IC 180-335966/13	175.0	56.612487	50.0	557831.0	0.3235	Y
7	IC 180-335966/14	200.0	69.510544	50.0	596785.0	0.347553	Y
8	IC 180-335966/15	250.0	83.782079	50.0	597851.0	0.335128	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

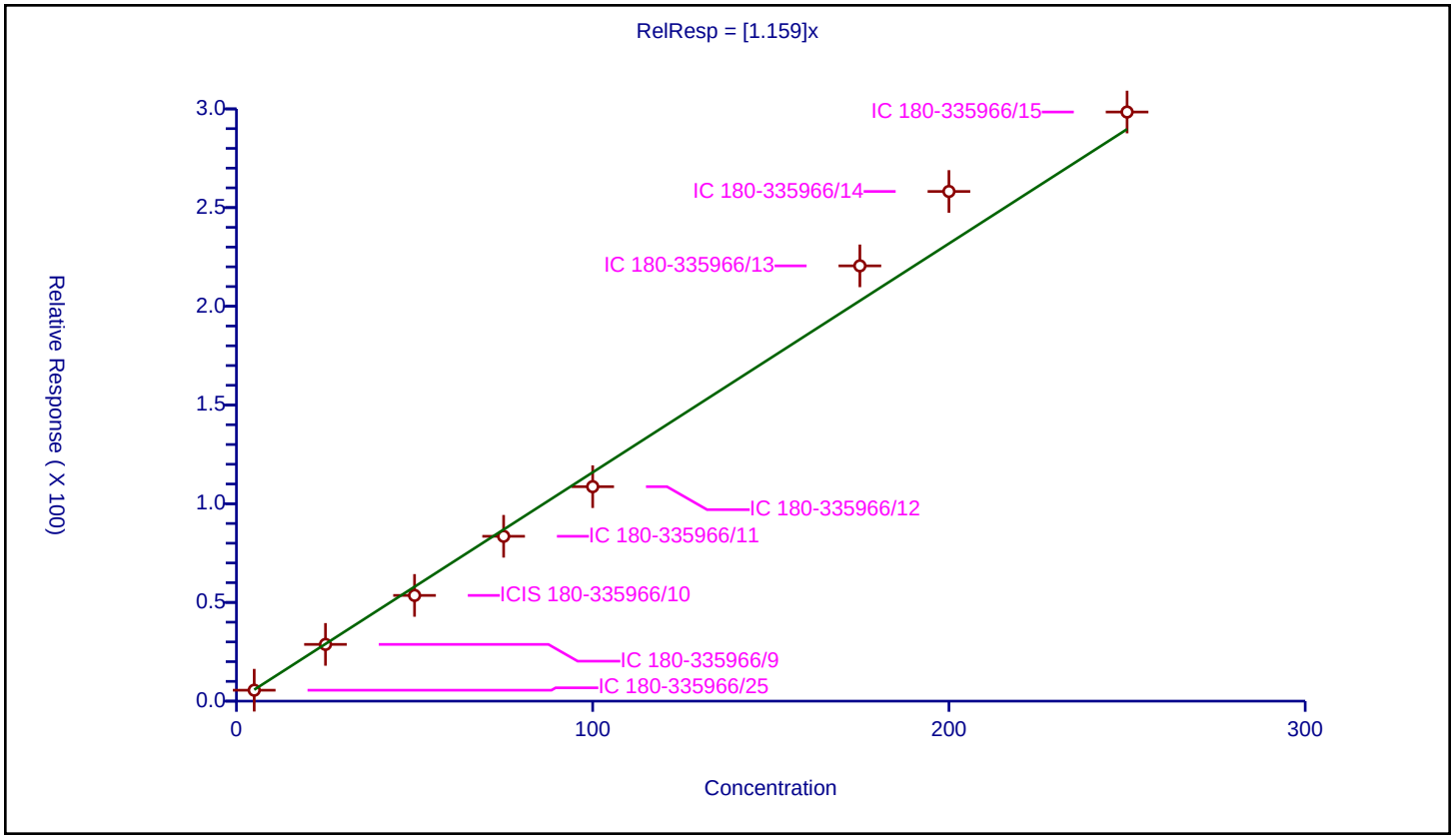
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.531473	50.0	399089.0	1.106295	Y
2	IC 180-335966/9	25.0	28.740351	50.0	608098.0	1.149614	Y
3	ICIS 180-335966/10	50.0	53.558521	50.0	659614.0	1.07117	Y
4	IC 180-335966/11	75.0	83.505172	50.0	633929.0	1.113402	Y
5	IC 180-335966/12	100.0	108.641108	50.0	603499.0	1.086411	Y
6	IC 180-335966/13	175.0	220.502088	50.0	557831.0	1.260012	Y
7	IC 180-335966/14	200.0	258.170447	50.0	596785.0	1.290852	Y
8	IC 180-335966/15	250.0	298.420175	50.0	597851.0	1.193681	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

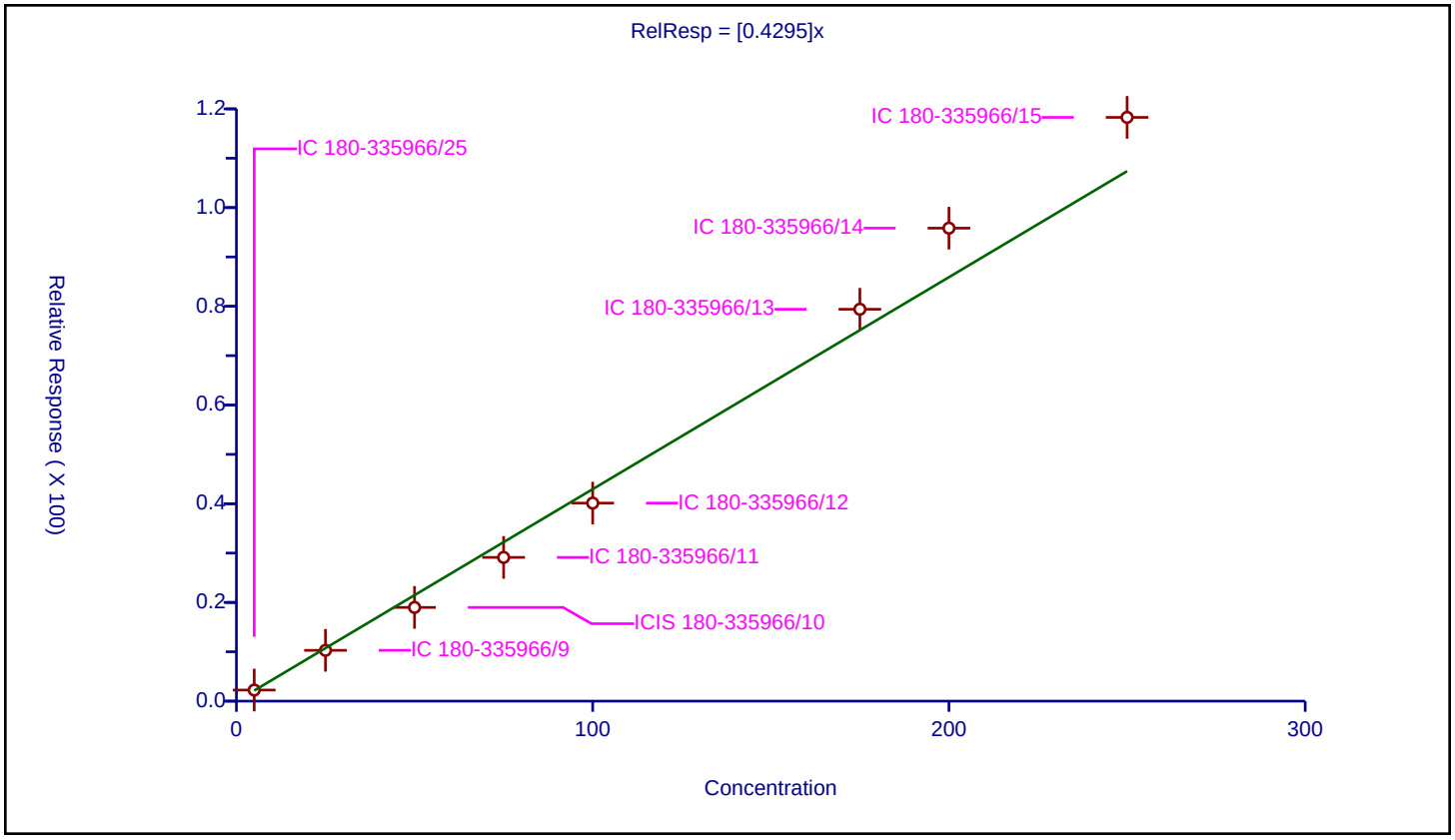
Curve Coefficients

Intercept:	0
Slope:	0.4295

Error Coefficients

Standard Error:	806000
Relative Standard Error:	9.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.244988	50.0	399089.0	0.448998	Y
2	IC 180-335966/9	25.0	10.293242	50.0	608098.0	0.41173	Y
3	ICIS 180-335966/10	50.0	18.989818	50.0	659614.0	0.379796	Y
4	IC 180-335966/11	75.0	29.120296	50.0	633929.0	0.388271	Y
5	IC 180-335966/12	100.0	40.127573	50.0	603499.0	0.401276	Y
6	IC 180-335966/13	175.0	79.40317	50.0	557831.0	0.453732	Y
7	IC 180-335966/14	200.0	95.831665	50.0	596785.0	0.479158	Y
8	IC 180-335966/15	250.0	118.276126	50.0	597851.0	0.473105	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

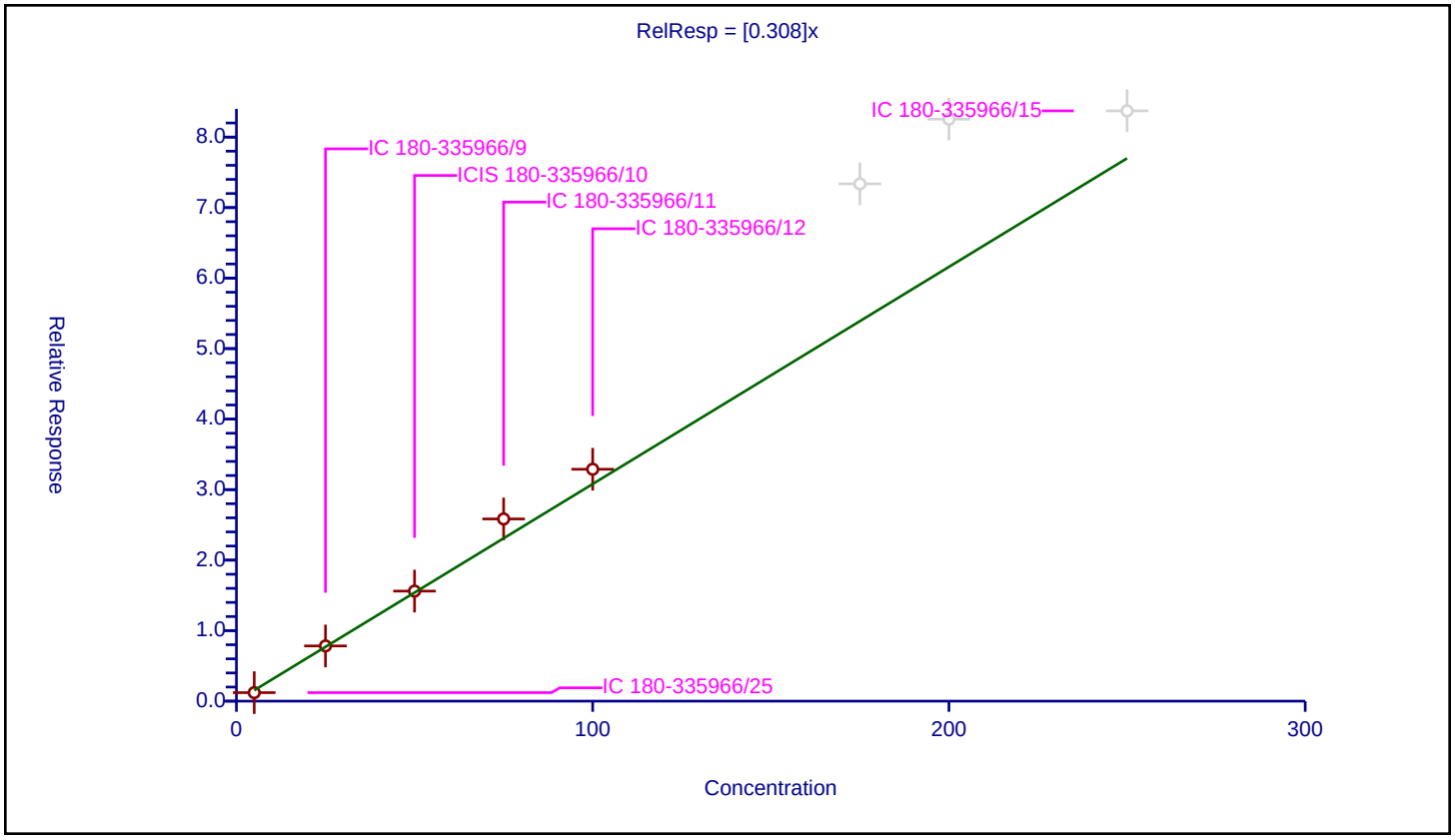
Curve Coefficients

Intercept:	0
Slope:	0.308

Error Coefficients

Standard Error:	281000
Relative Standard Error:	12.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.205496	50.0	399089.0	0.241099	Y
2	IC 180-335966/9	25.0	7.827603	50.0	608098.0	0.313104	Y
3	ICIS 180-335966/10	50.0	15.607461	50.0	659614.0	0.312149	Y
4	IC 180-335966/11	75.0	25.841064	50.0	633929.0	0.344548	Y
5	IC 180-335966/12	100.0	32.891107	50.0	603499.0	0.328911	Y
6	IC 180-335966/13	175.0	73.371326	50.0	557831.0	0.419265	N
7	IC 180-335966/14	200.0	82.544551	50.0	596785.0	0.412723	N
8	IC 180-335966/15	250.0	83.72086	50.0	597851.0	0.334883	N



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

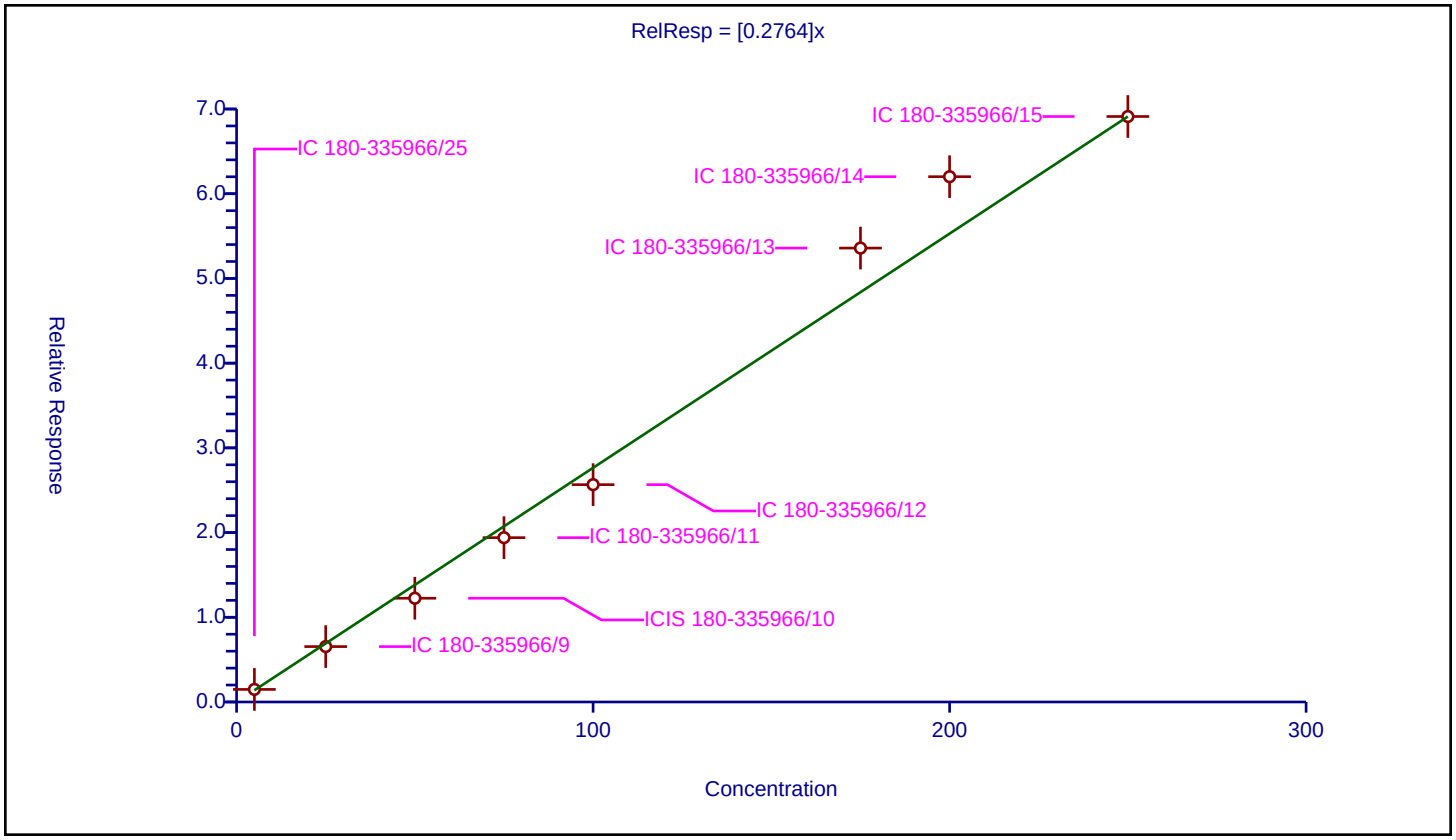
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	504000
Relative Standard Error:	9.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.485634	50.0	399089.0	0.297127	Y
2	IC 180-335966/9	25.0	6.53842	50.0	608098.0	0.261537	Y
3	ICIS 180-335966/10	50.0	12.246935	50.0	659614.0	0.244939	Y
4	IC 180-335966/11	75.0	19.40028	50.0	633929.0	0.25867	Y
5	IC 180-335966/12	100.0	25.656546	50.0	603499.0	0.256565	Y
6	IC 180-335966/13	175.0	53.581909	50.0	557831.0	0.306182	Y
7	IC 180-335966/14	200.0	62.011947	50.0	596785.0	0.31006	Y
8	IC 180-335966/15	250.0	69.11396	50.0	597851.0	0.276456	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

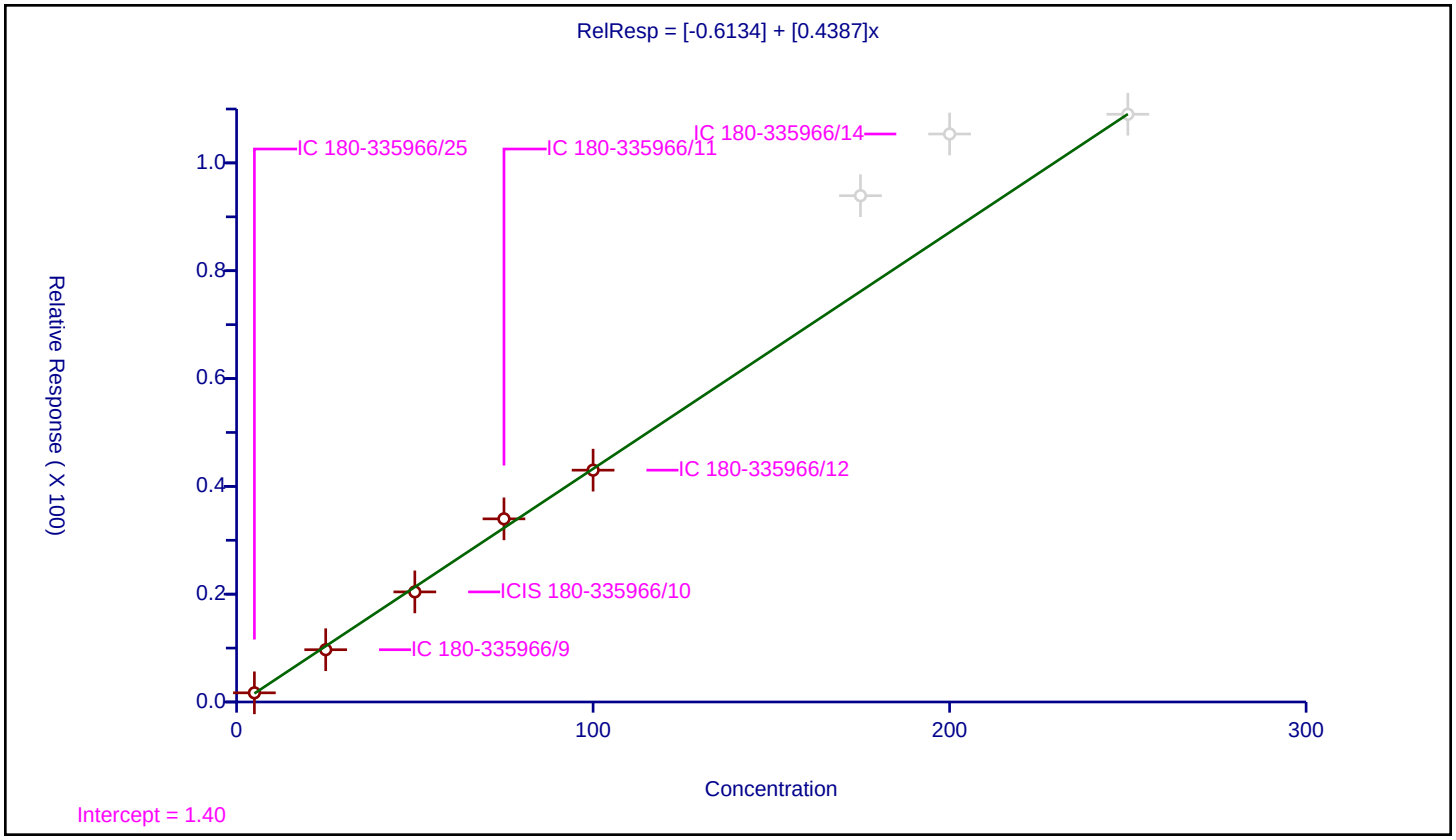
Curve Coefficients

Intercept:	-0.6134
Slope:	0.4387

Error Coefficients

Standard Error:	425000
Relative Standard Error:	6.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.701625	50.0	399089.0	0.340325	Y
2	IC 180-335966/9	25.0	9.697203	50.0	608098.0	0.387888	Y
3	ICIS 180-335966/10	50.0	20.424218	50.0	659614.0	0.408484	Y
4	IC 180-335966/11	75.0	33.974546	50.0	633929.0	0.452994	Y
5	IC 180-335966/12	100.0	43.005954	50.0	603499.0	0.43006	Y
6	IC 180-335966/13	175.0	93.92065	50.0	557831.0	0.536689	N
7	IC 180-335966/14	200.0	105.366673	50.0	596785.0	0.526833	N
8	IC 180-335966/15	250.0	109.030929	50.0	597851.0	0.436124	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

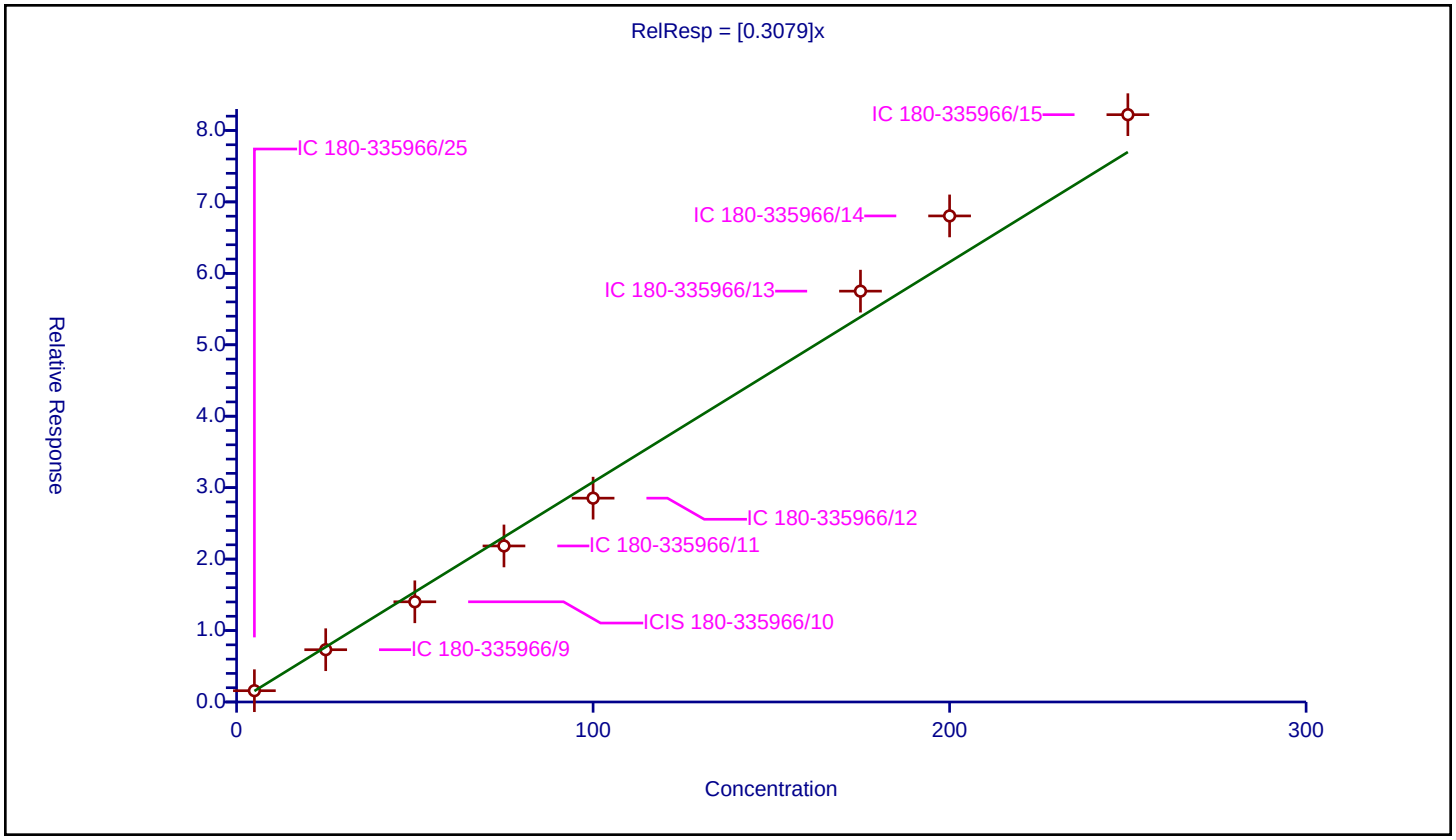
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Standard Error:	570000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.579472	50.0	399089.0	0.315894	Y
2	IC 180-335966/9	25.0	7.319379	50.0	608098.0	0.292775	Y
3	ICIS 180-335966/10	50.0	14.024945	50.0	659614.0	0.280499	Y
4	IC 180-335966/11	75.0	21.841168	50.0	633929.0	0.291216	Y
5	IC 180-335966/12	100.0	28.531199	50.0	603499.0	0.285312	Y
6	IC 180-335966/13	175.0	57.504513	50.0	557831.0	0.328597	Y
7	IC 180-335966/14	200.0	68.037568	50.0	596785.0	0.340188	Y
8	IC 180-335966/15	250.0	82.20928	50.0	597851.0	0.328837	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

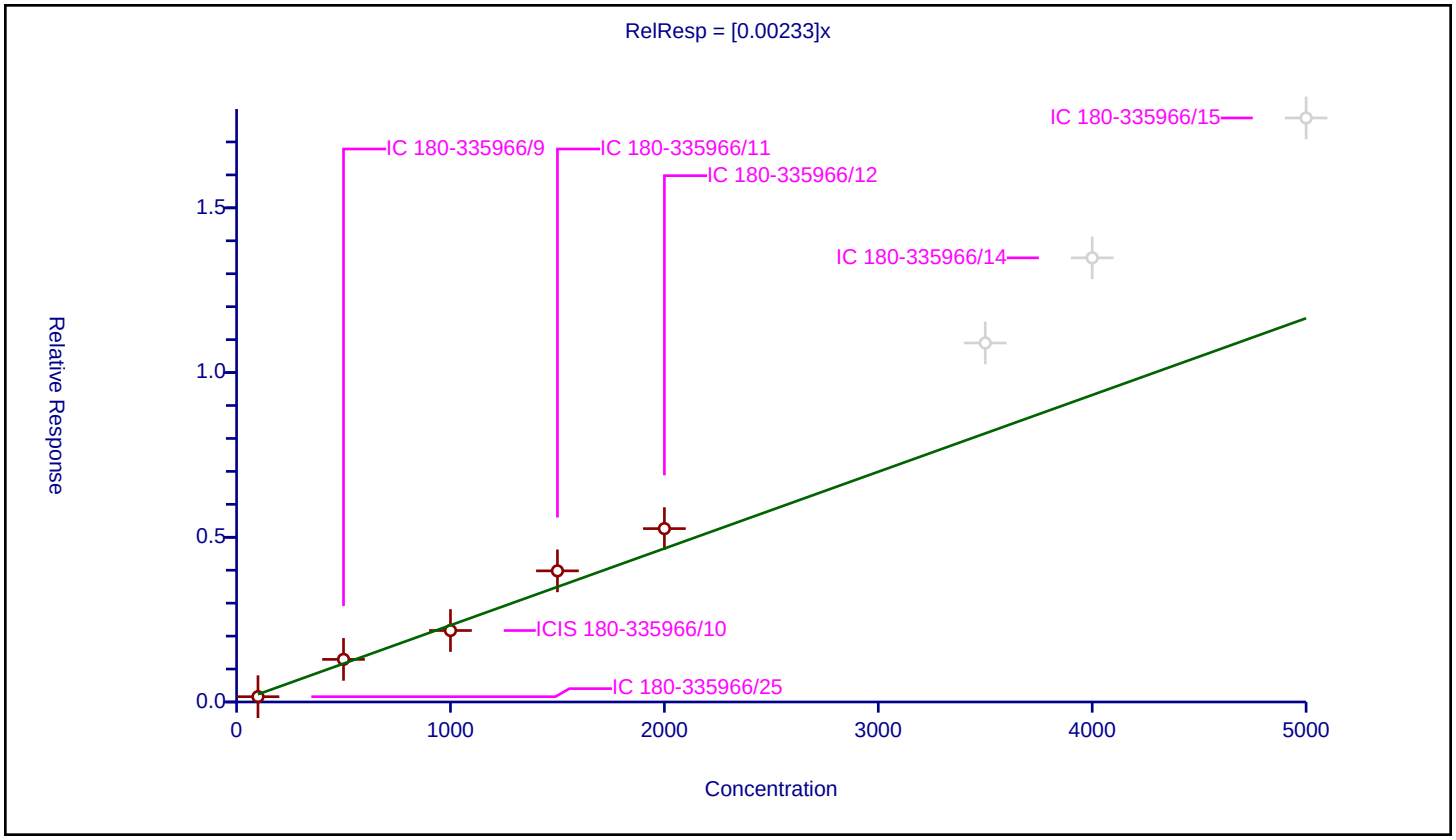
Curve Coefficients

Intercept:	0
Slope:	0.00233

Error Coefficients

Standard Error:	43700
Relative Standard Error:	19.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	100.0	0.160616	50.0	399089.0	0.001606	Y
2	IC 180-335966/9	500.0	1.293459	50.0	608098.0	0.002587	Y
3	ICIS 180-335966/10	1000.0	2.170133	50.0	659614.0	0.00217	Y
4	IC 180-335966/11	1500.0	3.980493	50.0	633929.0	0.002654	Y
5	IC 180-335966/12	2000.0	5.262975	50.0	603499.0	0.002631	Y
6	IC 180-335966/13	3500.0	10.897476	50.0	557831.0	0.003114	N
7	IC 180-335966/14	4000.0	13.481907	50.0	596785.0	0.00337	N
8	IC 180-335966/15	5000.0	17.728414	50.0	597851.0	0.003546	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

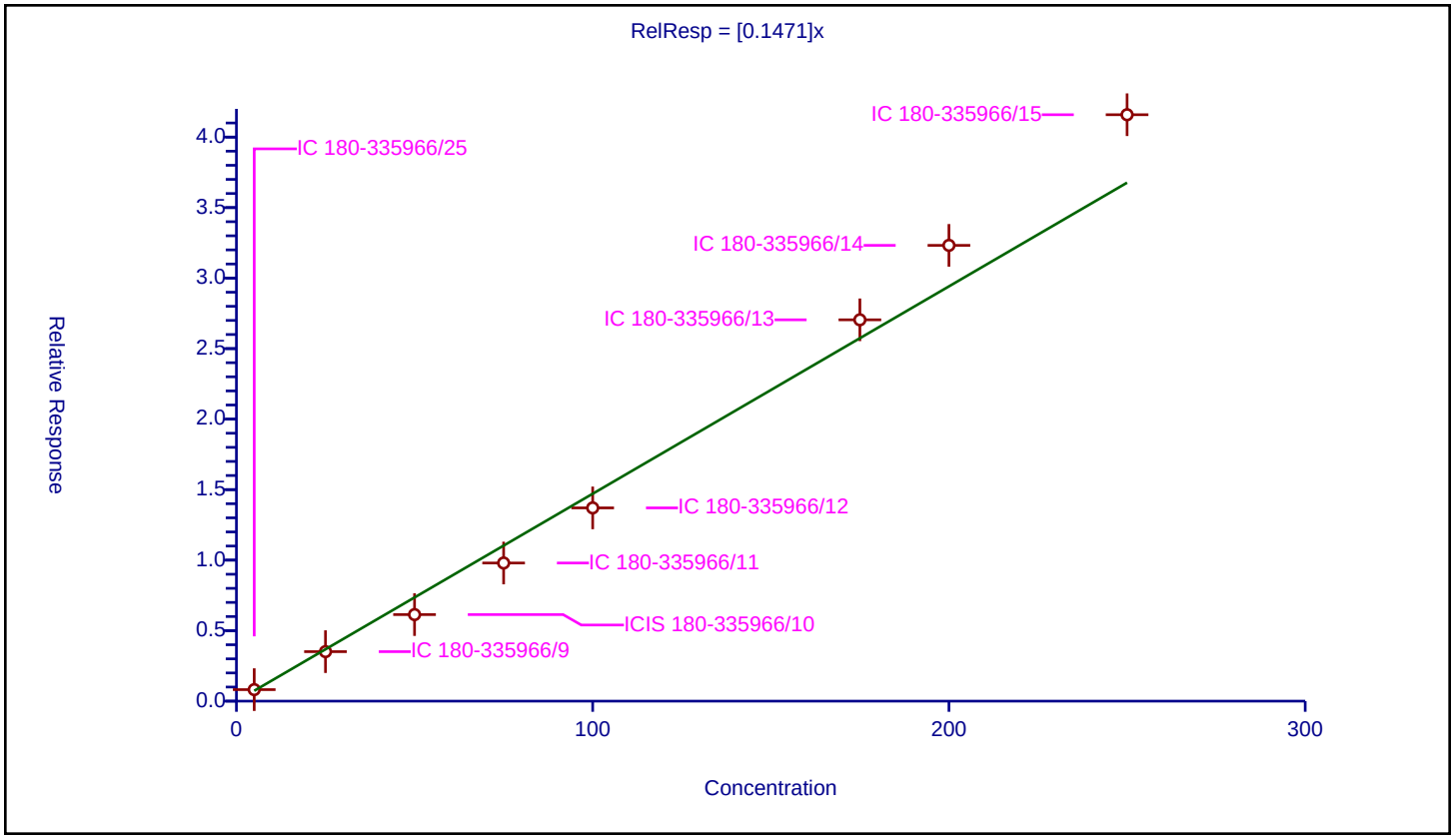
Curve Coefficients

Intercept:	0
Slope:	0.1471

Error Coefficients

Standard Error:	277000
Relative Standard Error:	11.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.816234	50.0	399089.0	0.163247	Y
2	IC 180-335966/9	25.0	3.510701	50.0	608098.0	0.140428	Y
3	ICIS 180-335966/10	50.0	6.136695	50.0	659614.0	0.122734	Y
4	IC 180-335966/11	75.0	9.797075	50.0	633929.0	0.130628	Y
5	IC 180-335966/12	100.0	13.703917	50.0	603499.0	0.137039	Y
6	IC 180-335966/13	175.0	27.042061	50.0	557831.0	0.154526	Y
7	IC 180-335966/14	200.0	32.322193	50.0	596785.0	0.161611	Y
8	IC 180-335966/15	250.0	41.587034	50.0	597851.0	0.166348	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

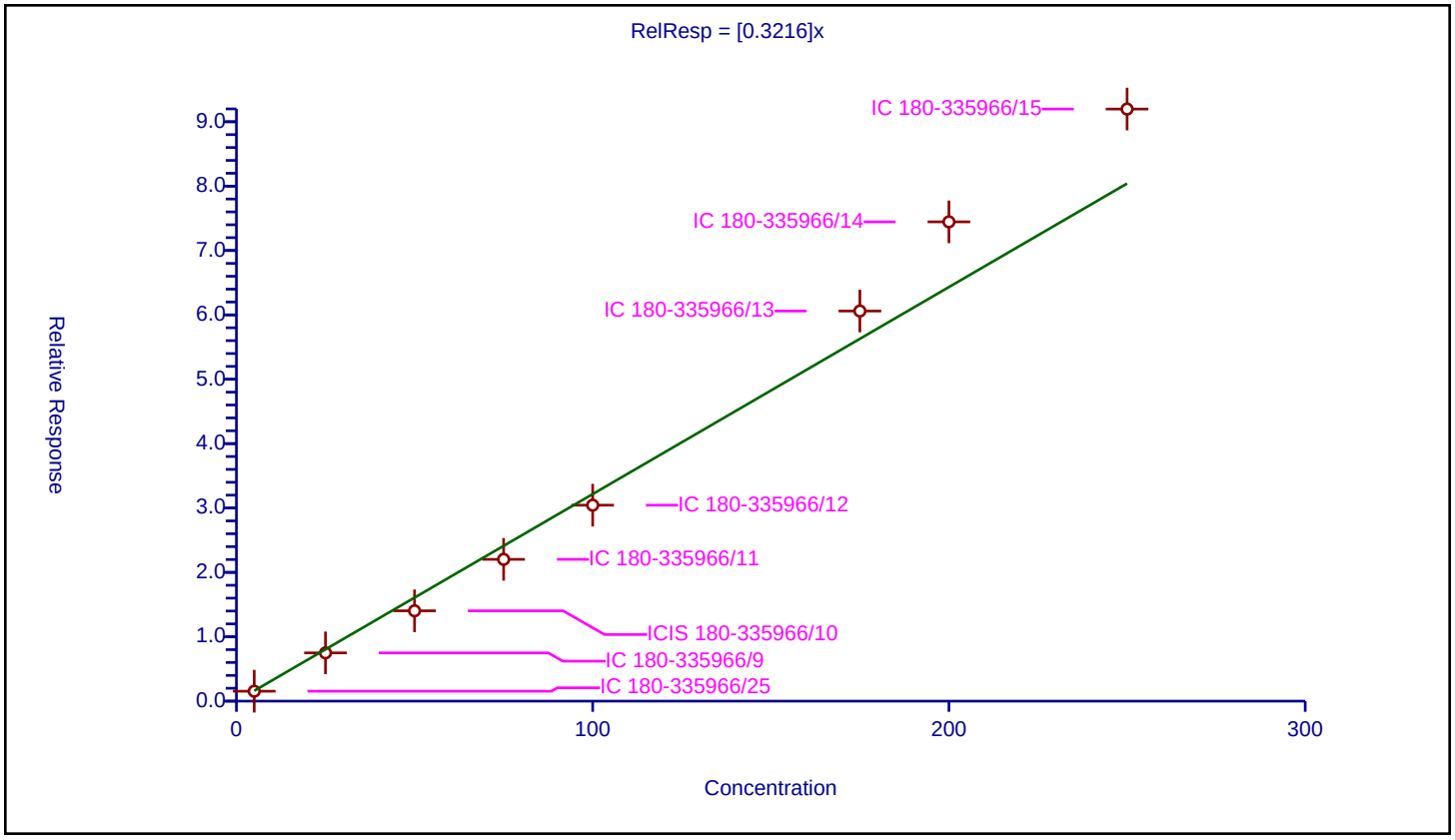
Curve Coefficients

Intercept:	0
Slope:	0.3216

Error Coefficients

Standard Error:	622000
Relative Standard Error:	11.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.540133	50.0	399089.0	0.308027	Y
2	IC 180-335966/9	25.0	7.495009	50.0	608098.0	0.2998	Y
3	ICIS 180-335966/10	50.0	14.030782	50.0	659614.0	0.280616	Y
4	IC 180-335966/11	75.0	22.024391	50.0	633929.0	0.293659	Y
5	IC 180-335966/12	100.0	30.441807	50.0	603499.0	0.304418	Y
6	IC 180-335966/13	175.0	60.601508	50.0	557831.0	0.346294	Y
7	IC 180-335966/14	200.0	74.452106	50.0	596785.0	0.372261	Y
8	IC 180-335966/15	250.0	91.977014	50.0	597851.0	0.367908	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

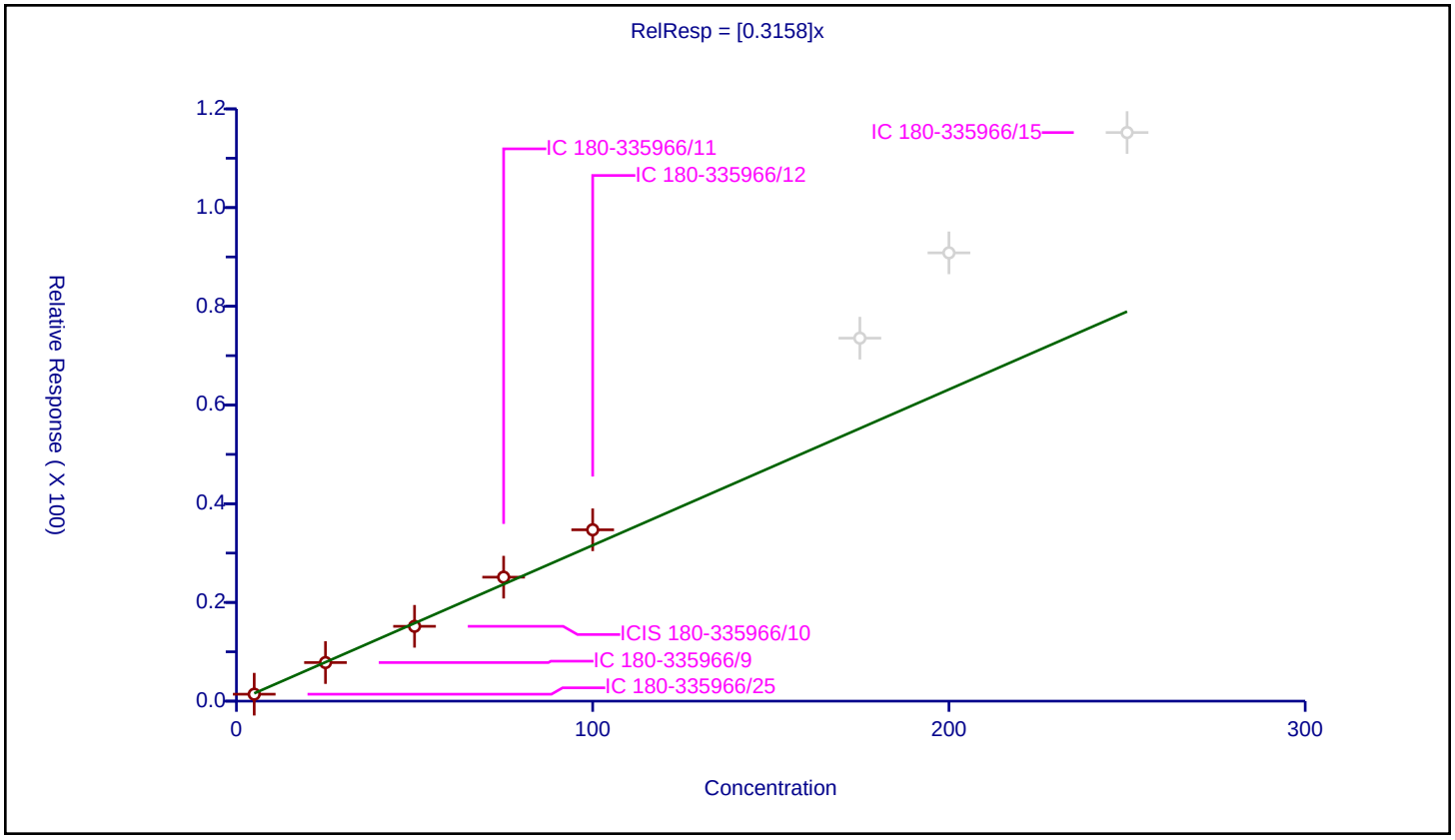
Curve Coefficients

Intercept:	0
Slope:	0.3158

Error Coefficients

Standard Error:	286000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.404323	50.0	399089.0	0.280865	Y
2	IC 180-335966/9	25.0	7.816585	50.0	608098.0	0.312663	Y
3	ICIS 180-335966/10	50.0	15.159017	50.0	659614.0	0.30318	Y
4	IC 180-335966/11	75.0	25.120715	50.0	633929.0	0.334943	Y
5	IC 180-335966/12	100.0	34.717705	50.0	603499.0	0.347177	Y
6	IC 180-335966/13	175.0	73.545662	50.0	557831.0	0.420261	N
7	IC 180-335966/14	200.0	90.830031	50.0	596785.0	0.45415	N
8	IC 180-335966/15	250.0	115.206464	50.0	597851.0	0.460826	N



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

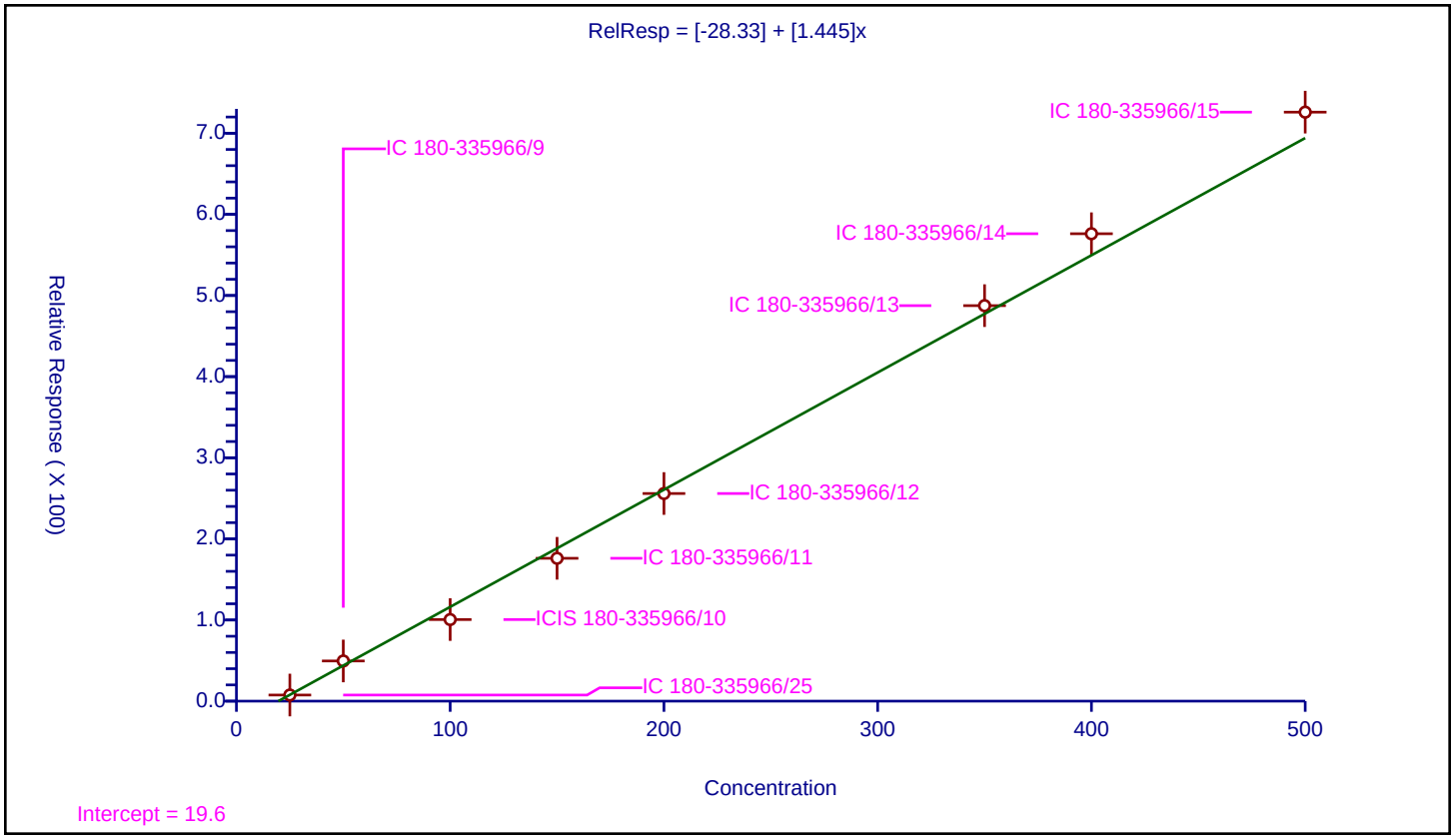
Curve Coefficients

Intercept:	-28.33
Slope:	1.445

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	7.545627	50.0	78244.0	0.301825	Y
2	IC 180-335966/9	50.0	49.510226	50.0	123118.0	0.990205	Y
3	ICIS 180-335966/10	100.0	100.567095	50.0	137014.0	1.005671	Y
4	IC 180-335966/11	150.0	176.092561	50.0	124135.0	1.17395	Y
5	IC 180-335966/12	200.0	255.931395	50.0	123664.0	1.279657	Y
6	IC 180-335966/13	350.0	487.47801	50.0	119941.0	1.392794	Y
7	IC 180-335966/14	400.0	576.121921	50.0	132184.0	1.440305	Y
8	IC 180-335966/15	500.0	725.982852	50.0	135295.0	1.451966	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

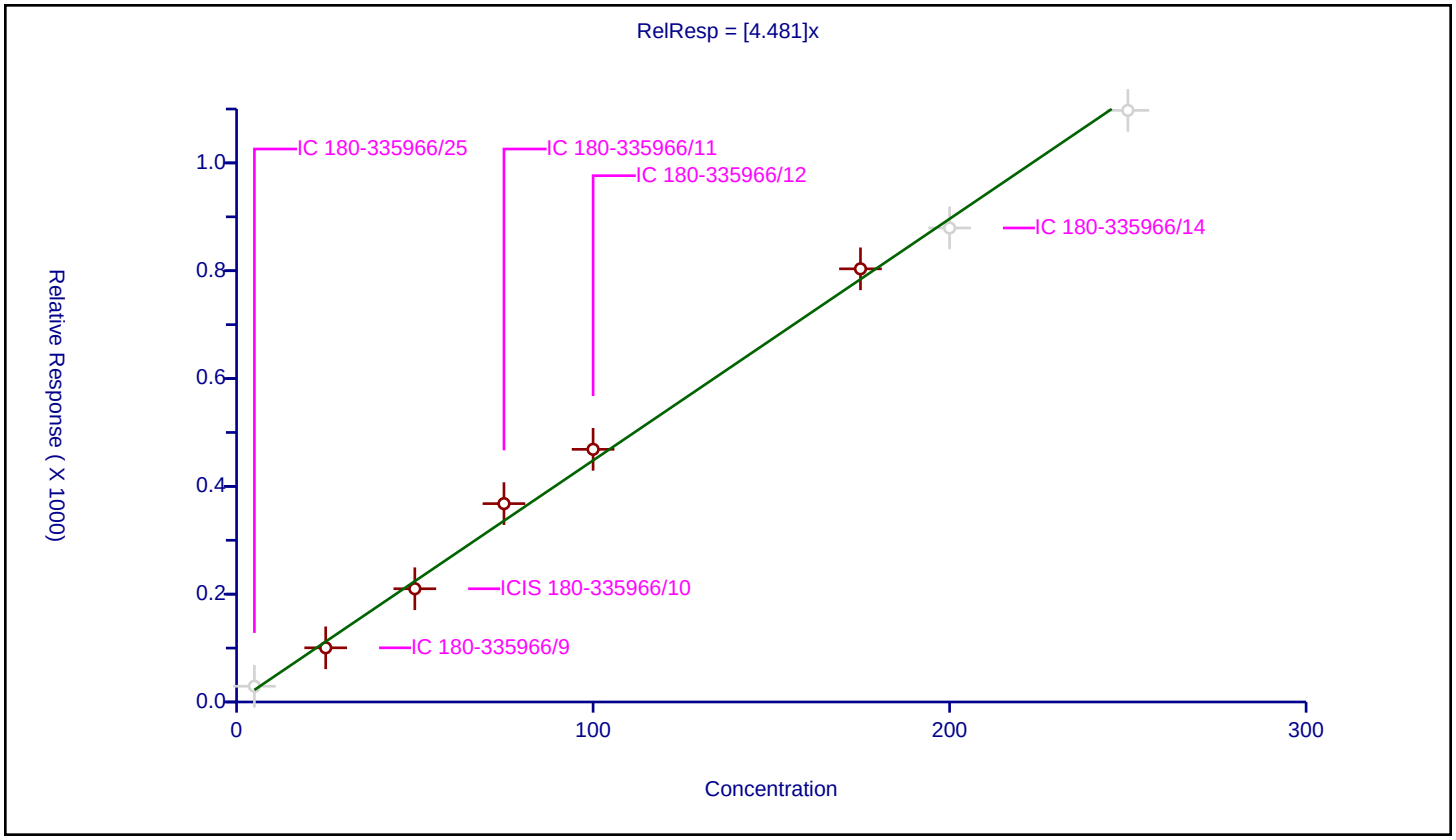
Curve Coefficients

Intercept:	0
Slope:	4.481

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	29.21502	50.0	78244.0	5.843004	N
2	IC 180-335966/9	25.0	100.511704	50.0	123118.0	4.020468	Y
3	ICIS 180-335966/10	50.0	210.052622	50.0	137014.0	4.201052	Y
4	IC 180-335966/11	75.0	367.972369	50.0	124135.0	4.906298	Y
5	IC 180-335966/12	100.0	468.673179	50.0	123664.0	4.686732	Y
6	IC 180-335966/13	175.0	803.559667	50.0	119941.0	4.59177	Y
7	IC 180-335966/14	200.0	879.303471	50.0	132184.0	4.396517	N
8	IC 180-335966/15	250.0	1097.491408	50.0	135295.0	4.389966	N



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

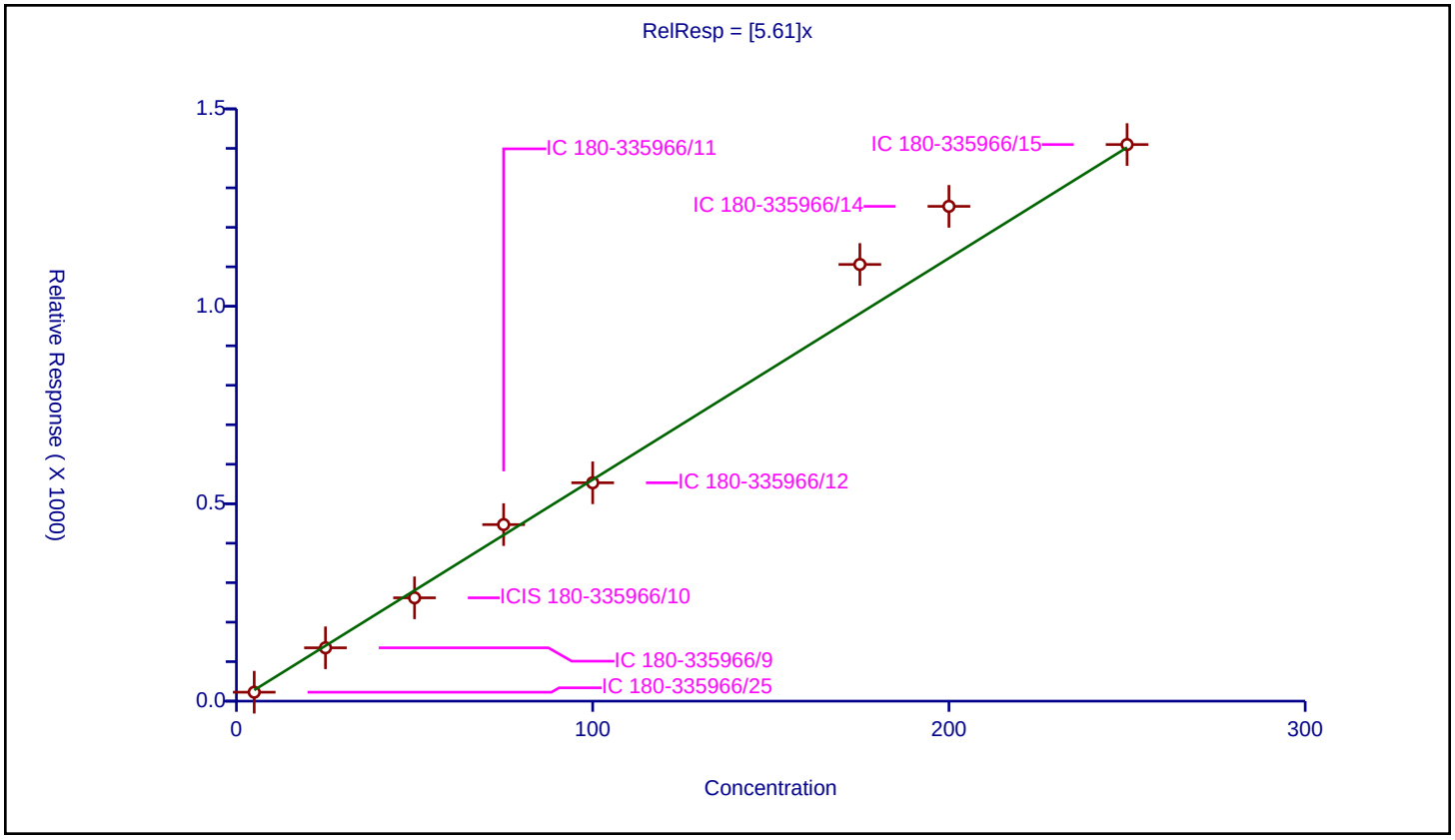
Curve Coefficients

Intercept:	0
Slope:	5.61

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	10.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	22.61004	50.0	78244.0	4.522008	Y
2	IC 180-335966/9	25.0	135.104534	50.0	123118.0	5.404181	Y
3	ICIS 180-335966/10	50.0	261.705373	50.0	137014.0	5.234107	Y
4	IC 180-335966/11	75.0	447.103557	50.0	124135.0	5.961381	Y
5	IC 180-335966/12	100.0	553.024728	50.0	123664.0	5.530247	Y
6	IC 180-335966/13	175.0	1106.00712	50.0	119941.0	6.320041	Y
7	IC 180-335966/14	200.0	1253.158854	50.0	132184.0	6.265794	Y
8	IC 180-335966/15	250.0	1409.661111	50.0	135295.0	5.638644	Y



Calibration / Ethyl methacrylate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

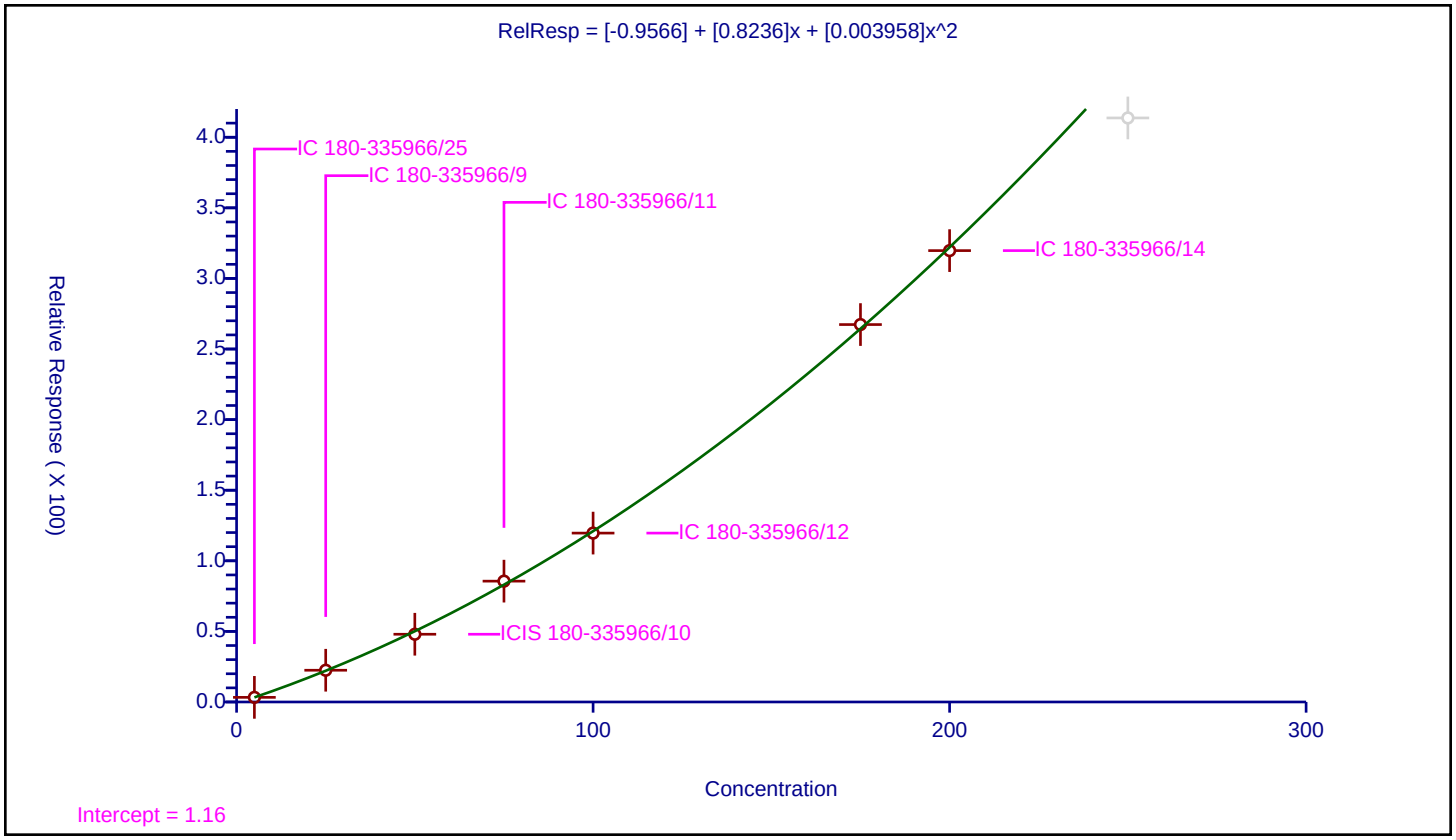
Curve Coefficients

Intercept:	-0.9566
Slope:	0.8236
Second Order:	0.003958

Error Coefficients

Standard Error:	565000
Relative Standard Error:	2.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.274372	50.0	78244.0	0.654874	Y
2	IC 180-335966/9	25.0	22.479248	50.0	123118.0	0.89917	Y
3	ICIS 180-335966/10	50.0	47.977214	50.0	137014.0	0.959544	Y
4	IC 180-335966/11	75.0	85.597938	50.0	124135.0	1.141306	Y
5	IC 180-335966/12	100.0	119.618887	50.0	123664.0	1.196189	Y
6	IC 180-335966/13	175.0	267.336024	50.0	119941.0	1.527634	Y
7	IC 180-335966/14	200.0	319.708891	50.0	132184.0	1.598544	Y
8	IC 180-335966/15	250.0	413.678998	50.0	135295.0	1.654716	N



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

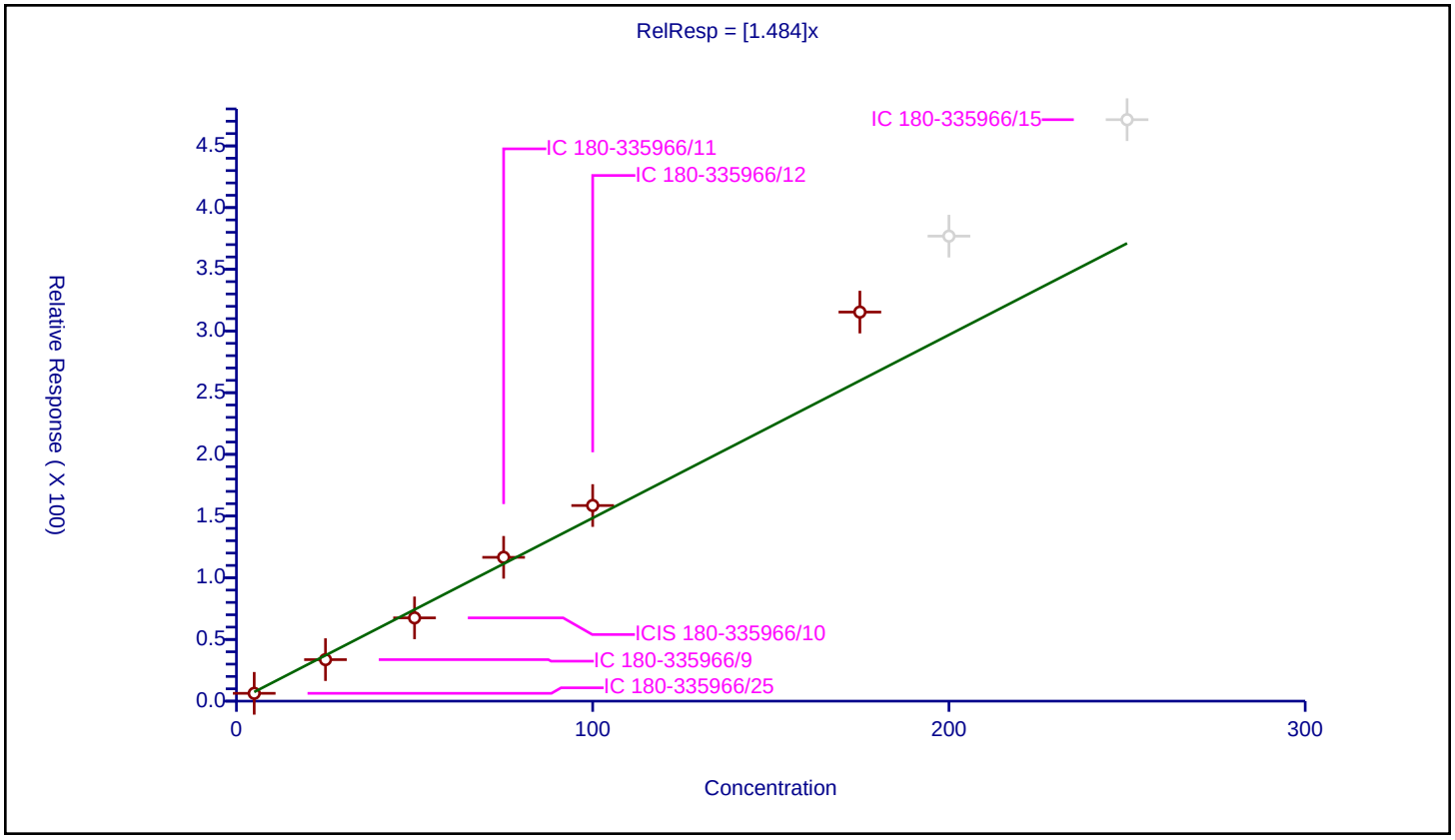
Curve Coefficients

Intercept:	0
Slope:	1.484

Error Coefficients

Standard Error:	412000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.339783	50.0	78244.0	1.267957	Y
2	IC 180-335966/9	25.0	33.652269	50.0	123118.0	1.346091	Y
3	ICIS 180-335966/10	50.0	67.493468	50.0	137014.0	1.349869	Y
4	IC 180-335966/11	75.0	116.549321	50.0	124135.0	1.553991	Y
5	IC 180-335966/12	100.0	158.547758	50.0	123664.0	1.585478	Y
6	IC 180-335966/13	175.0	315.309611	50.0	119941.0	1.801769	Y
7	IC 180-335966/14	200.0	376.858773	50.0	132184.0	1.884294	N
8	IC 180-335966/15	250.0	471.257253	50.0	135295.0	1.885029	N



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

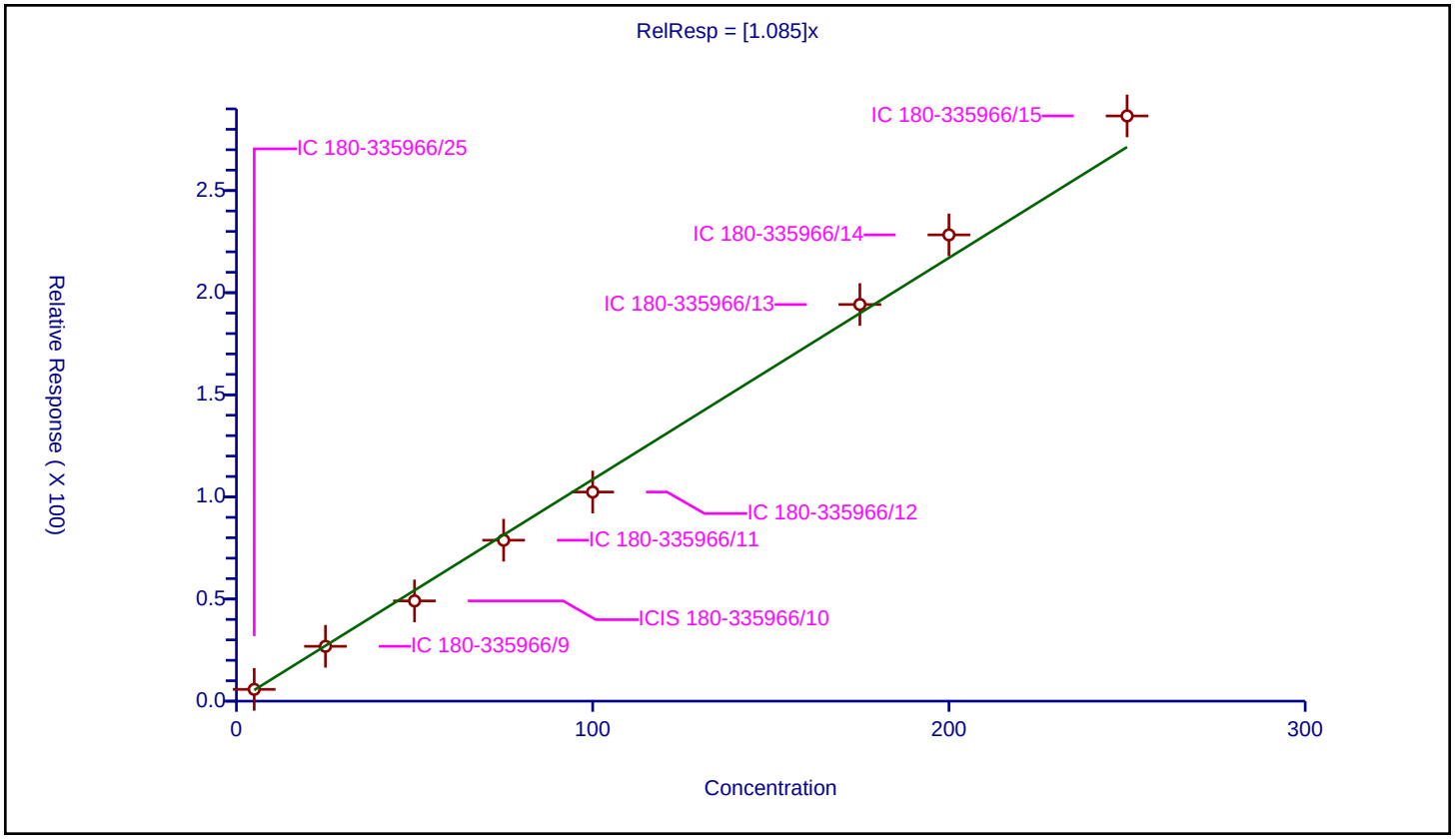
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	432000
Relative Standard Error:	5.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.77105	50.0	78244.0	1.15421	Y
2	IC 180-335966/9	25.0	26.850257	50.0	123118.0	1.07401	Y
3	ICIS 180-335966/10	50.0	49.083305	50.0	137014.0	0.981666	Y
4	IC 180-335966/11	75.0	78.803722	50.0	124135.0	1.050716	Y
5	IC 180-335966/12	100.0	102.400456	50.0	123664.0	1.024005	Y
6	IC 180-335966/13	175.0	194.226328	50.0	119941.0	1.109865	Y
7	IC 180-335966/14	200.0	228.316967	50.0	132184.0	1.141585	Y
8	IC 180-335966/15	250.0	286.546066	50.0	135295.0	1.146184	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

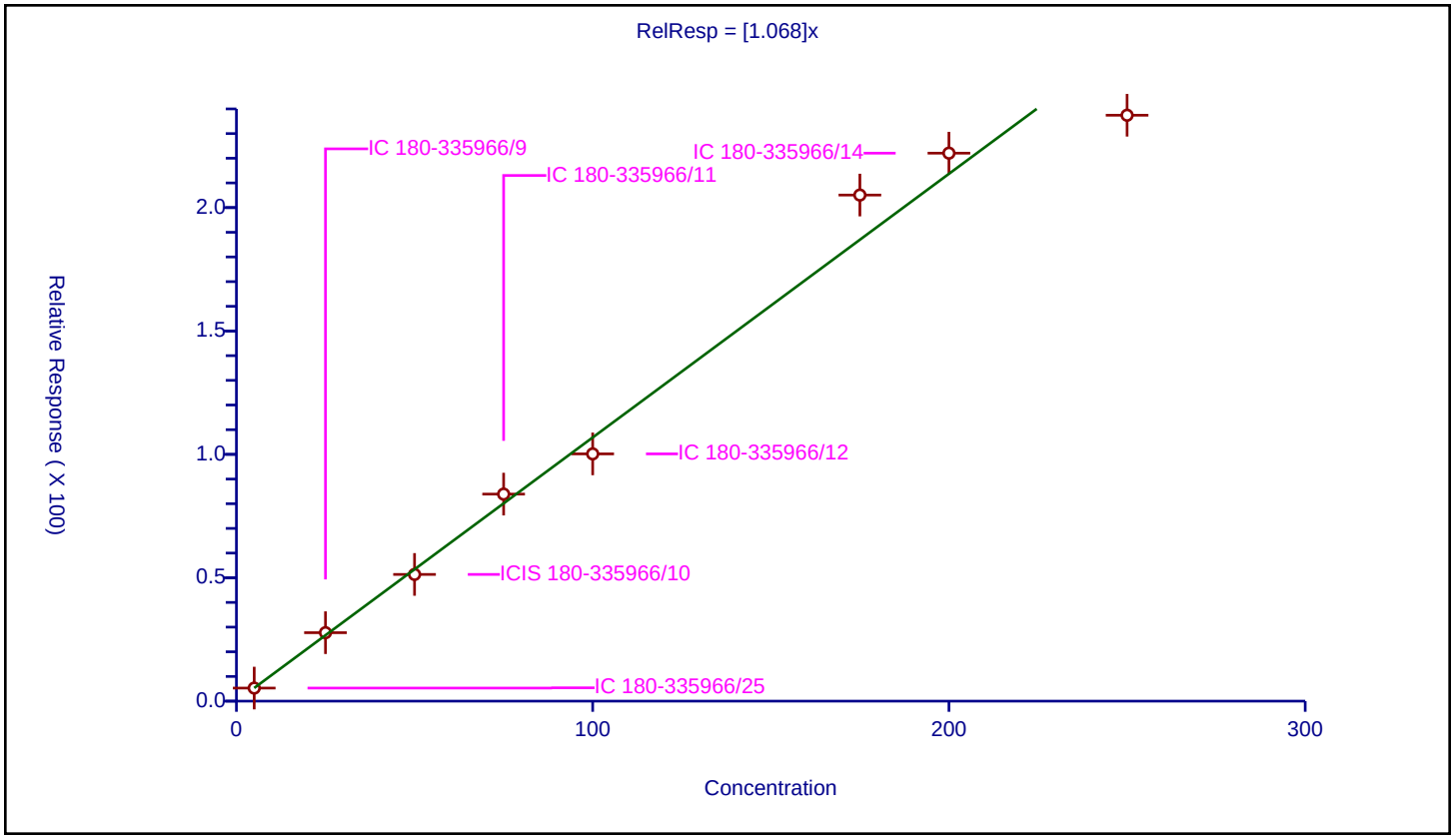
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Standard Error:	401000
Relative Standard Error:	6.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.291141	50.0	78244.0	1.058228	Y
2	IC 180-335966/9	25.0	27.743303	50.0	123118.0	1.109732	Y
3	ICIS 180-335966/10	50.0	51.344023	50.0	137014.0	1.02688	Y
4	IC 180-335966/11	75.0	83.895356	50.0	124135.0	1.118605	Y
5	IC 180-335966/12	100.0	100.196905	50.0	123664.0	1.001969	Y
6	IC 180-335966/13	175.0	205.079581	50.0	119941.0	1.171883	Y
7	IC 180-335966/14	200.0	222.063185	50.0	132184.0	1.110316	Y
8	IC 180-335966/15	250.0	237.426734	50.0	135295.0	0.949707	Y



Calibration / 2-Hexanone

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

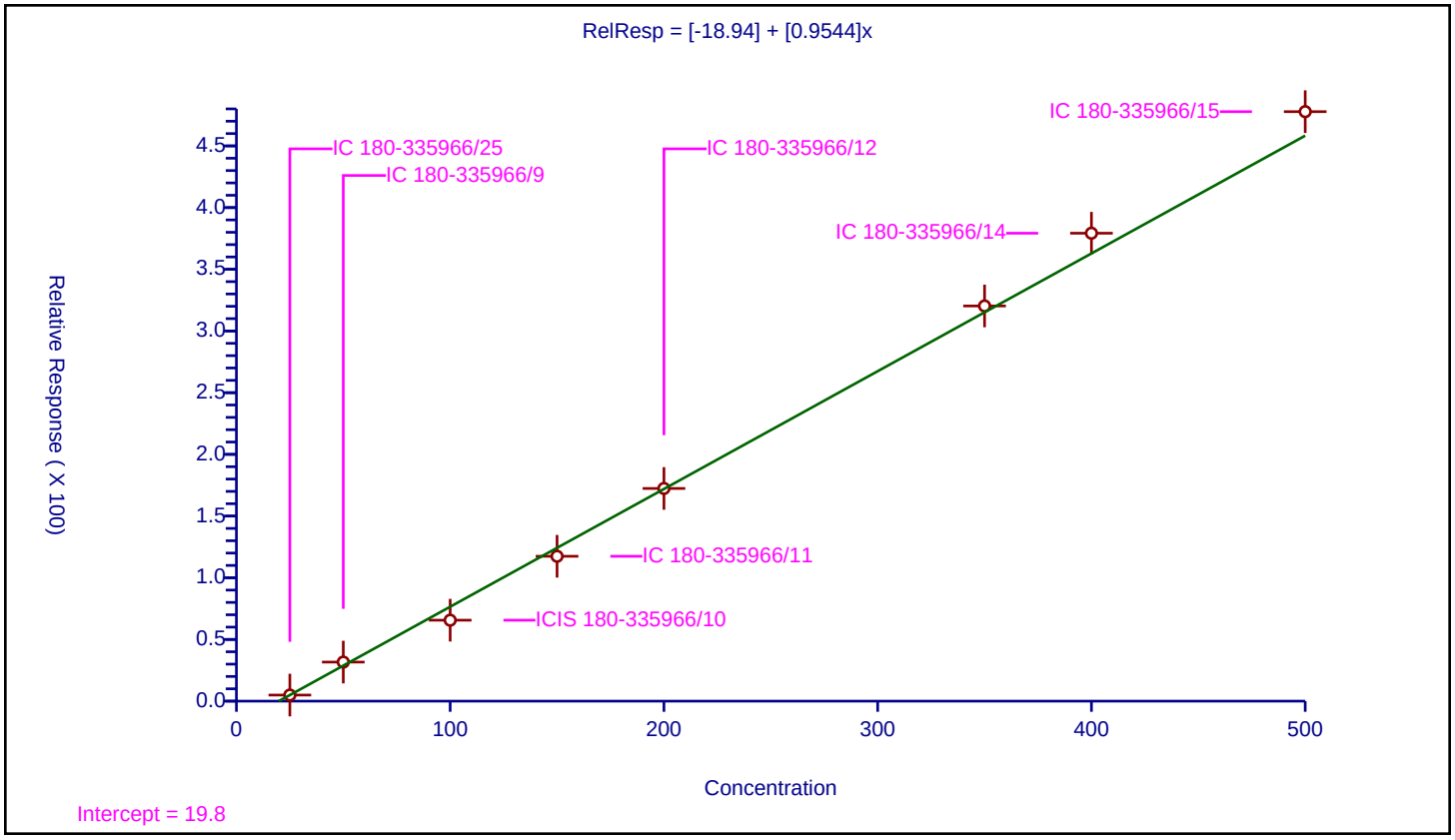
Curve Coefficients

Intercept:	-18.94
Slope:	0.9544

Error Coefficients

Standard Error:	771000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	25.0	4.933925	50.0	78244.0	0.197357	Y
2	IC 180-335966/9	50.0	31.649312	50.0	123118.0	0.632986	Y
3	ICIS 180-335966/10	100.0	65.60242	50.0	137014.0	0.656024	Y
4	IC 180-335966/11	150.0	117.418536	50.0	124135.0	0.78279	Y
5	IC 180-335966/12	200.0	172.384445	50.0	123664.0	0.861922	Y
6	IC 180-335966/13	350.0	320.279554	50.0	119941.0	0.915084	Y
7	IC 180-335966/14	400.0	379.233871	50.0	132184.0	0.948085	Y
8	IC 180-335966/15	500.0	477.757123	50.0	135295.0	0.955514	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

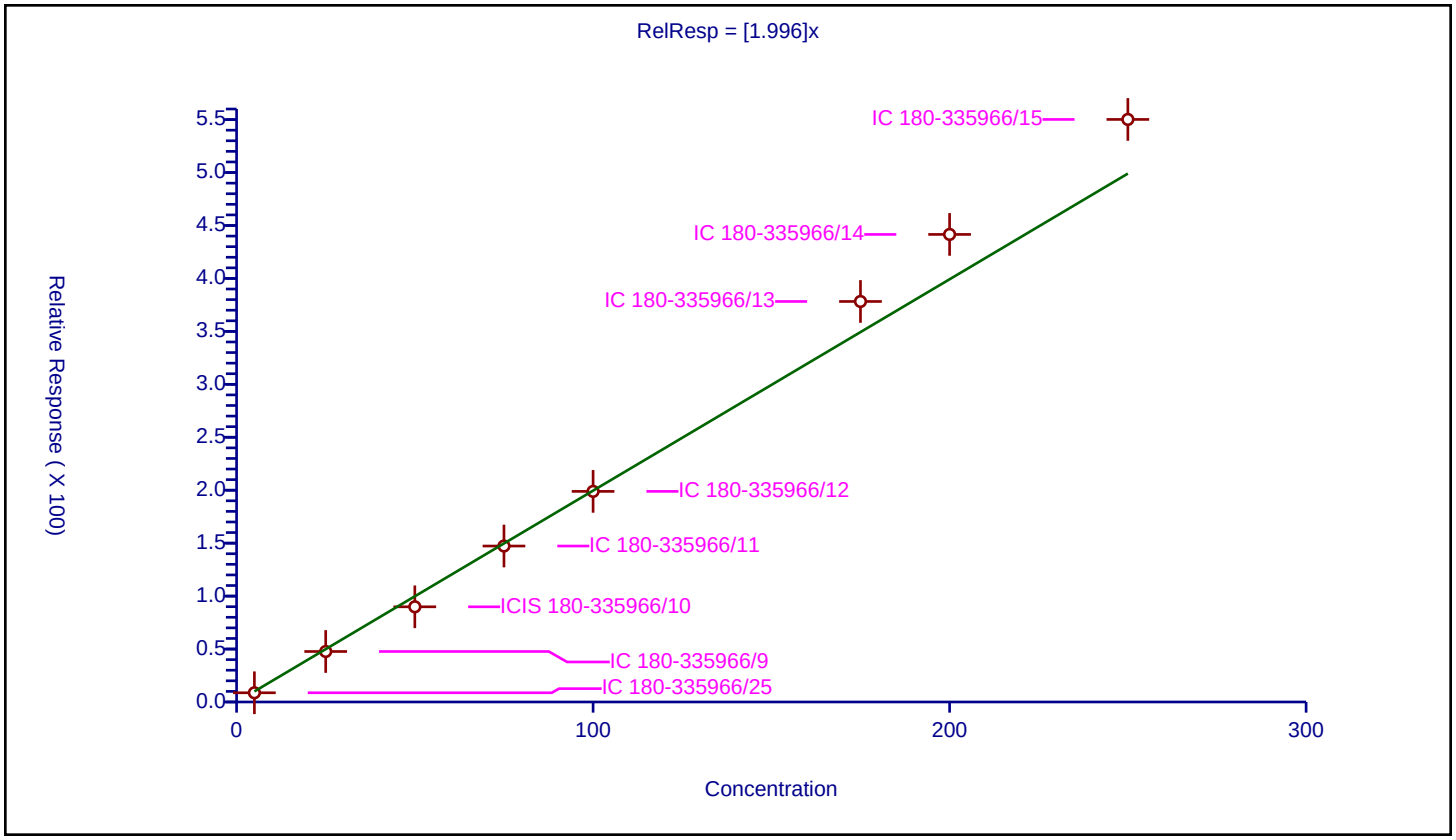
Curve Coefficients

Intercept:	0
Slope:	1.996

Error Coefficients

Standard Error:	832000
Relative Standard Error:	9.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.69907	50.0	78244.0	1.739814	Y
2	IC 180-335966/9	25.0	47.696113	50.0	123118.0	1.907845	Y
3	ICIS 180-335966/10	50.0	89.888625	50.0	137014.0	1.797772	Y
4	IC 180-335966/11	75.0	147.295283	50.0	124135.0	1.963937	Y
5	IC 180-335966/12	100.0	198.901054	50.0	123664.0	1.989011	Y
6	IC 180-335966/13	175.0	378.240135	50.0	119941.0	2.161372	Y
7	IC 180-335966/14	200.0	441.564032	50.0	132184.0	2.20782	Y
8	IC 180-335966/15	250.0	550.16076	50.0	135295.0	2.200643	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

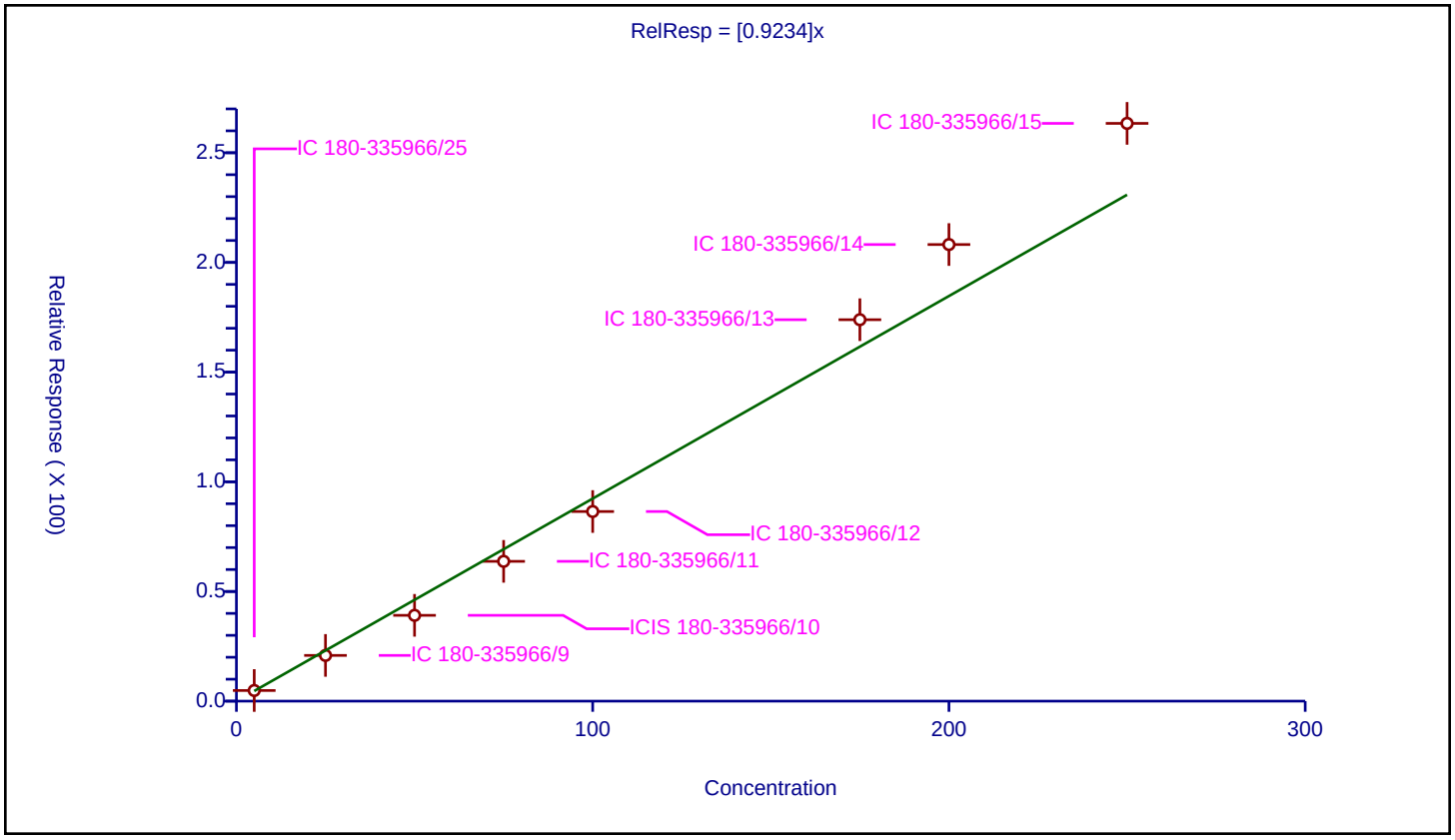
Curve Coefficients

Intercept:	0
Slope:	0.9234

Error Coefficients

Standard Error:	391000
Relative Standard Error:	11.2
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	4.8451	50.0	78244.0	0.96902	Y
2	IC 180-335966/9	25.0	20.838139	50.0	123118.0	0.833526	Y
3	ICIS 180-335966/10	50.0	39.1179	50.0	137014.0	0.782358	Y
4	IC 180-335966/11	75.0	63.731421	50.0	124135.0	0.849752	Y
5	IC 180-335966/12	100.0	86.447147	50.0	123664.0	0.864471	Y
6	IC 180-335966/13	175.0	173.893414	50.0	119941.0	0.993677	Y
7	IC 180-335966/14	200.0	208.153786	50.0	132184.0	1.040769	Y
8	IC 180-335966/15	250.0	263.39	50.0	135295.0	1.05356	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

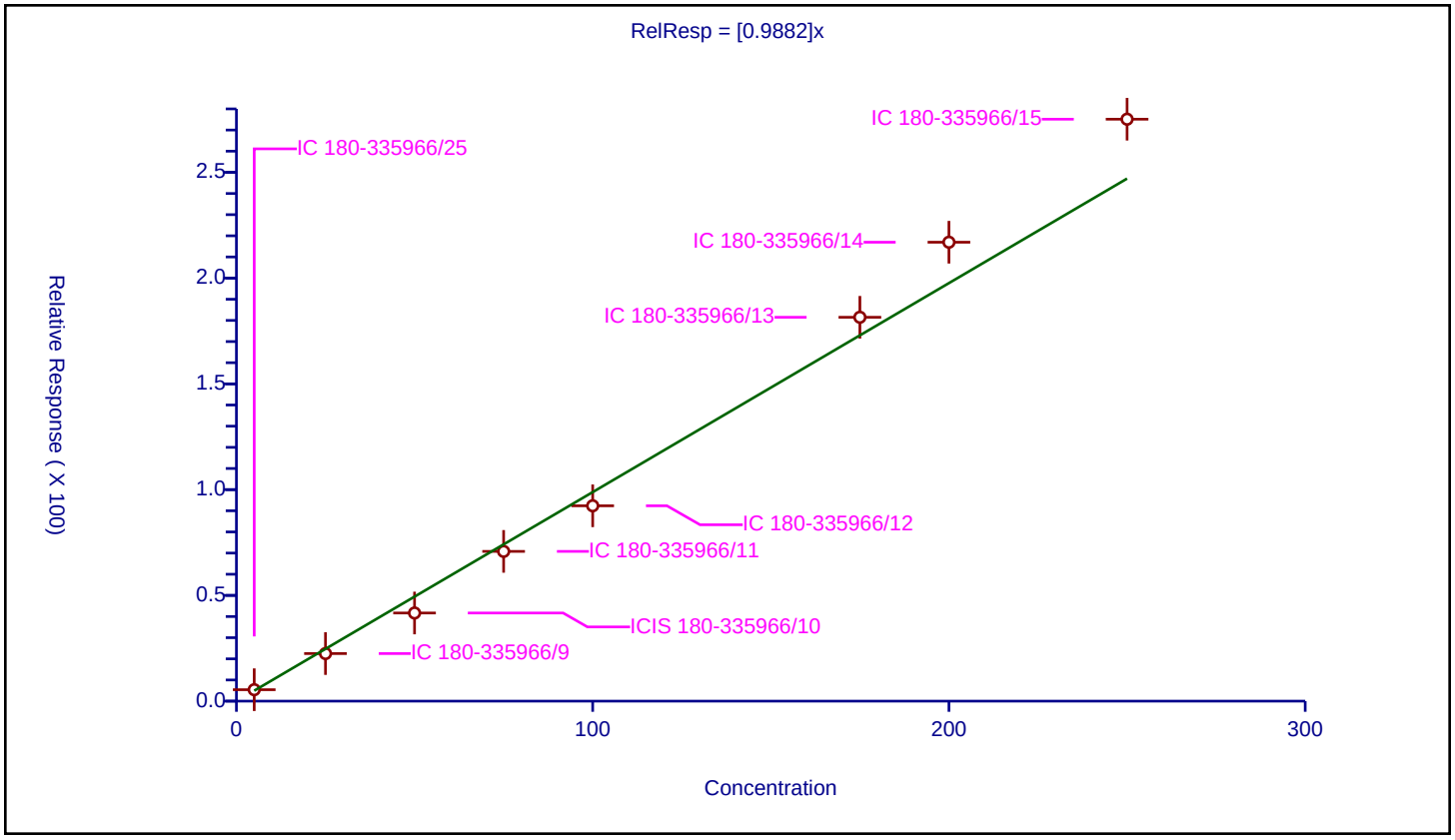
Curve Coefficients

Intercept:	0
Slope:	0.9882

Error Coefficients

Standard Error:	409000
Relative Standard Error:	10.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.410639	50.0	78244.0	1.082128	Y
2	IC 180-335966/9	25.0	22.498335	50.0	123118.0	0.899933	Y
3	ICIS 180-335966/10	50.0	41.674573	50.0	137014.0	0.833491	Y
4	IC 180-335966/11	75.0	70.797116	50.0	124135.0	0.943962	Y
5	IC 180-335966/12	100.0	92.356709	50.0	123664.0	0.923567	Y
6	IC 180-335966/13	175.0	181.485063	50.0	119941.0	1.037058	Y
7	IC 180-335966/14	200.0	216.960827	50.0	132184.0	1.084804	Y
8	IC 180-335966/15	250.0	275.123249	50.0	135295.0	1.100493	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

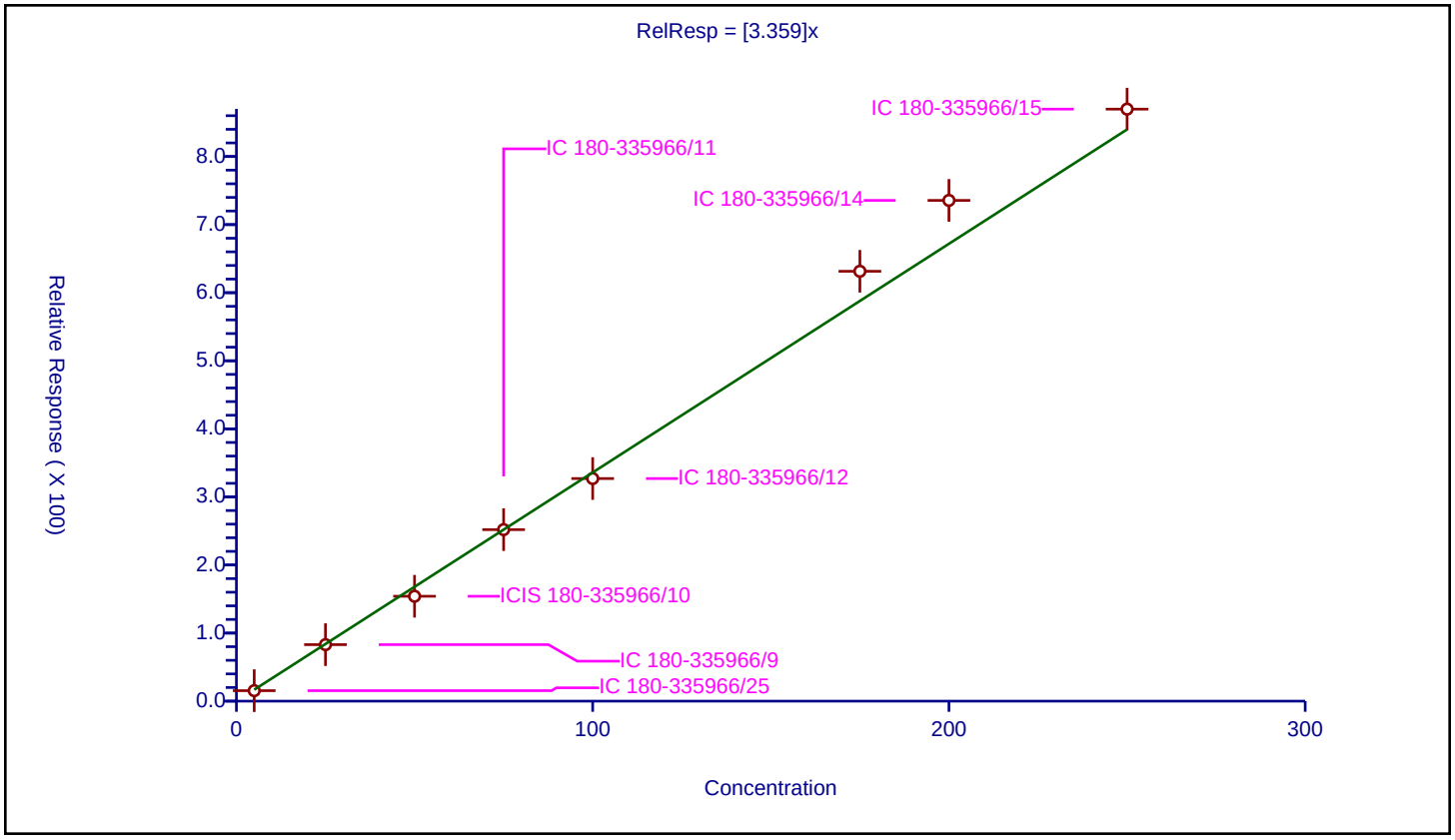
Curve Coefficients

Intercept:	0
Slope:	3.359

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	15.383927	50.0	78244.0	3.076785	Y
2	IC 180-335966/9	25.0	82.998424	50.0	123118.0	3.319937	Y
3	ICIS 180-335966/10	50.0	154.110529	50.0	137014.0	3.082211	Y
4	IC 180-335966/11	75.0	251.954727	50.0	124135.0	3.359396	Y
5	IC 180-335966/12	100.0	326.994113	50.0	123664.0	3.269941	Y
6	IC 180-335966/13	175.0	631.460051	50.0	119941.0	3.608343	Y
7	IC 180-335966/14	200.0	735.57314	50.0	132184.0	3.677866	Y
8	IC 180-335966/15	250.0	869.650763	50.0	135295.0	3.478603	Y



Calibration / Ethylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

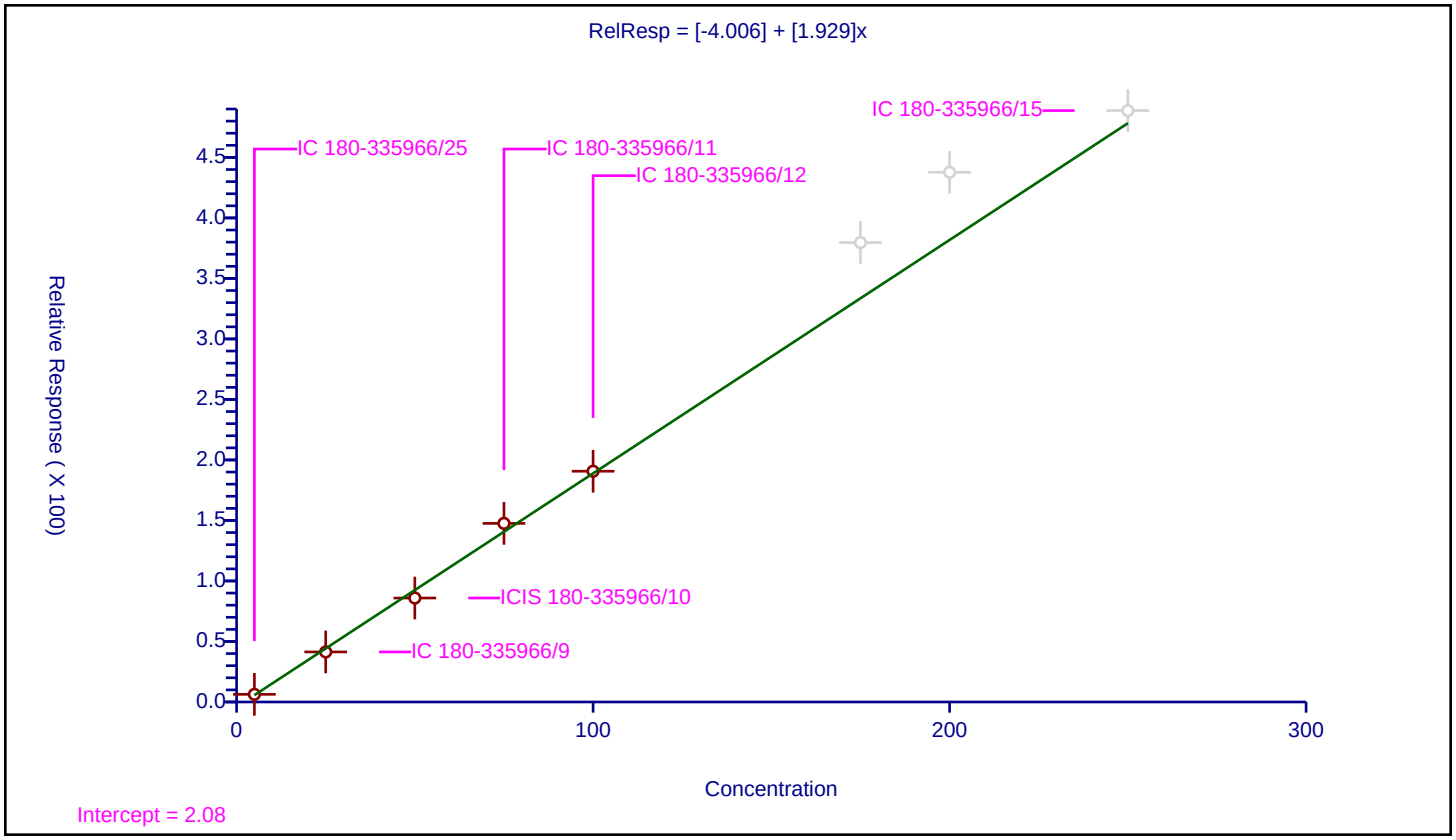
Curve Coefficients

Intercept:	-4.006
Slope:	1.929

Error Coefficients

Standard Error:	375000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.311666	50.0	78244.0	1.262333	Y
2	IC 180-335966/9	25.0	41.37088	50.0	123118.0	1.654835	Y
3	ICIS 180-335966/10	50.0	85.907644	50.0	137014.0	1.718153	Y
4	IC 180-335966/11	75.0	147.581665	50.0	124135.0	1.967756	Y
5	IC 180-335966/12	100.0	190.693735	50.0	123664.0	1.906937	Y
6	IC 180-335966/13	175.0	379.618729	50.0	119941.0	2.16925	N
7	IC 180-335966/14	200.0	437.711826	50.0	132184.0	2.188559	N
8	IC 180-335966/15	250.0	488.693595	50.0	135295.0	1.954774	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

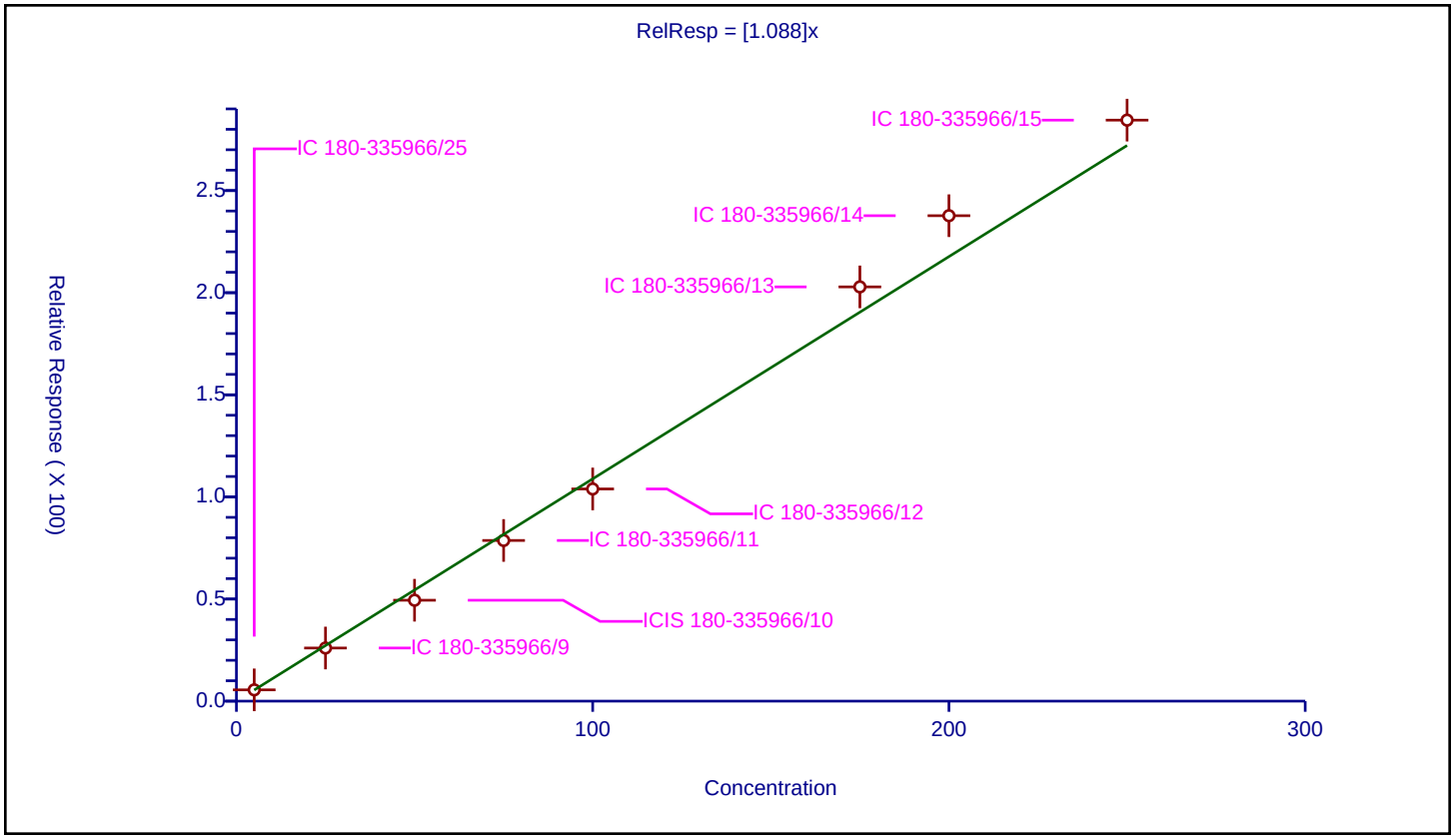
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Standard Error:	439000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.52119	50.0	78244.0	1.104238	Y
2	IC 180-335966/9	25.0	26.015692	50.0	123118.0	1.040628	Y
3	ICIS 180-335966/10	50.0	49.409549	50.0	137014.0	0.988191	Y
4	IC 180-335966/11	75.0	78.67201	50.0	124135.0	1.04896	Y
5	IC 180-335966/12	100.0	103.900084	50.0	123664.0	1.039001	Y
6	IC 180-335966/13	175.0	202.841397	50.0	119941.0	1.159094	Y
7	IC 180-335966/14	200.0	237.703126	50.0	132184.0	1.188516	Y
8	IC 180-335966/15	250.0	284.501645	50.0	135295.0	1.138007	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

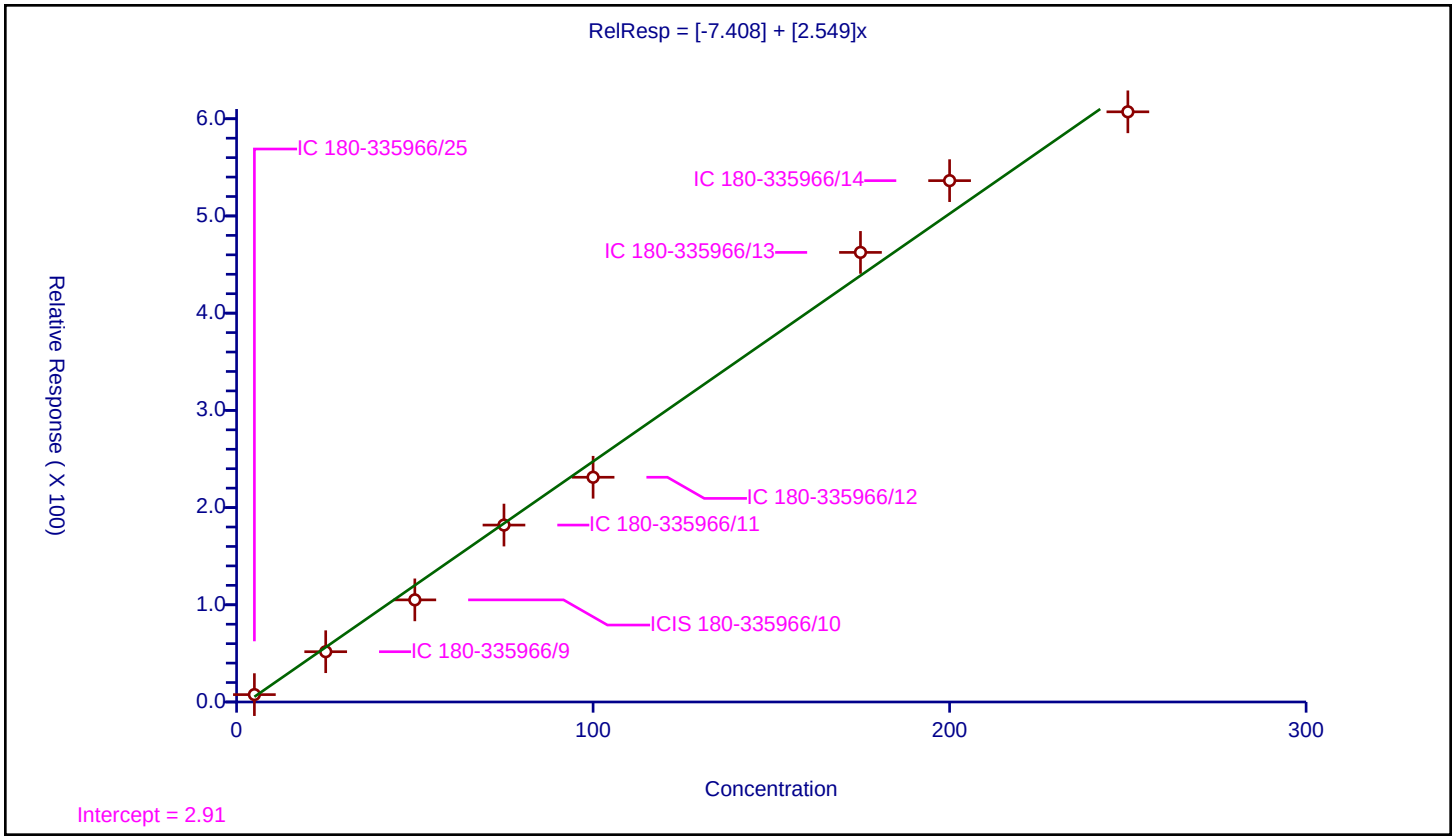
Curve Coefficients

Intercept:	-7.408
Slope:	2.549

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	7.598027	50.0	78244.0	1.519605	Y
2	IC 180-335966/9	25.0	51.714615	50.0	123118.0	2.068585	Y
3	ICIS 180-335966/10	50.0	105.060432	50.0	137014.0	2.101209	Y
4	IC 180-335966/11	75.0	182.003464	50.0	124135.0	2.426713	Y
5	IC 180-335966/12	100.0	231.176818	50.0	123664.0	2.311768	Y
6	IC 180-335966/13	175.0	462.491975	50.0	119941.0	2.642811	Y
7	IC 180-335966/14	200.0	536.32777	50.0	132184.0	2.681639	Y
8	IC 180-335966/15	250.0	607.121475	50.0	135295.0	2.428486	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

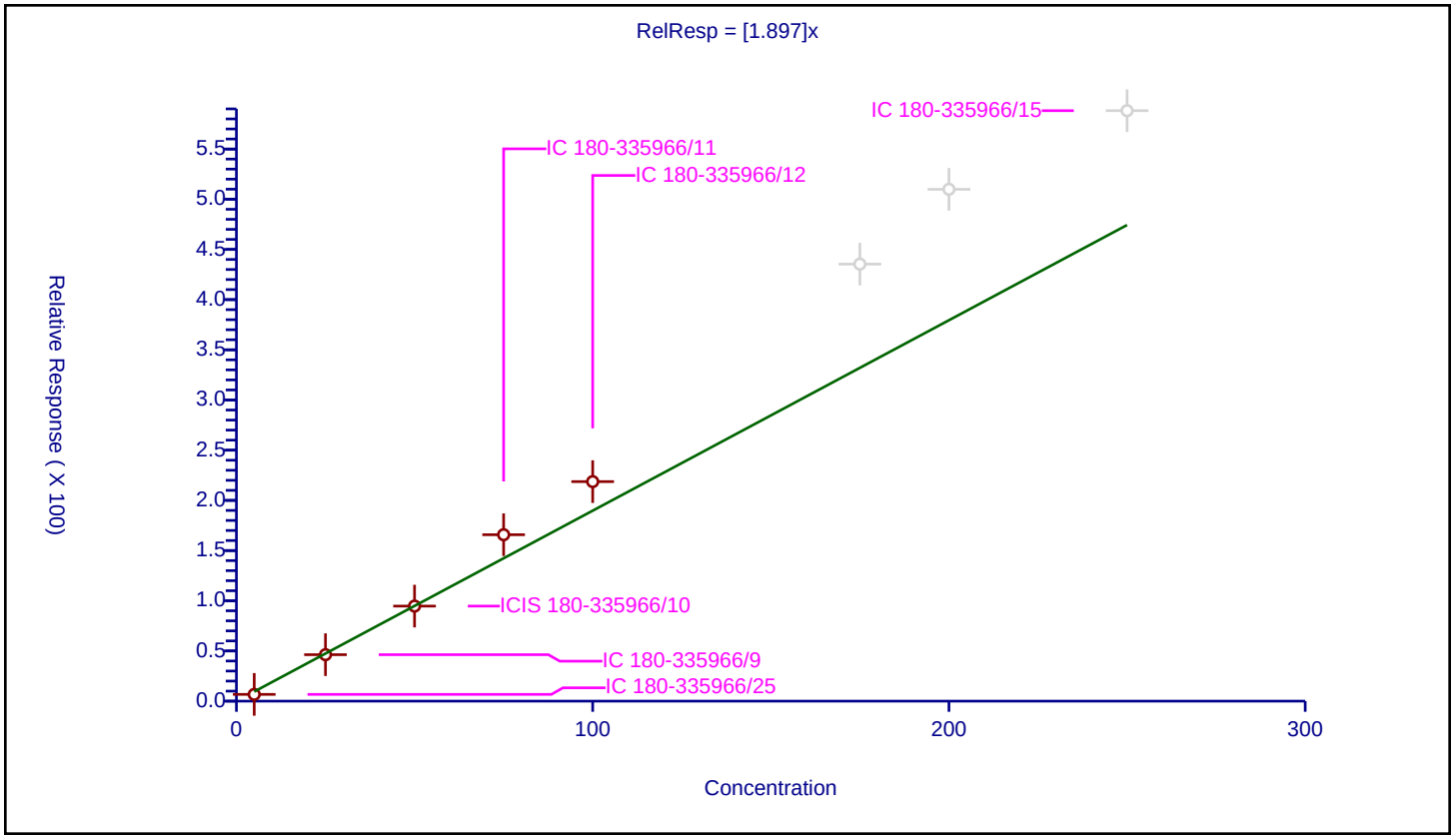
Curve Coefficients

Intercept:	0
Slope:	1.897

Error Coefficients

Standard Error:	368000
Relative Standard Error:	18.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.720004	50.0	78244.0	1.344001	Y
2	IC 180-335966/9	25.0	46.282834	50.0	123118.0	1.851313	Y
3	ICIS 180-335966/10	50.0	94.68412	50.0	137014.0	1.893682	Y
4	IC 180-335966/11	75.0	165.792887	50.0	124135.0	2.210572	Y
5	IC 180-335966/12	100.0	218.692182	50.0	123664.0	2.186922	Y
6	IC 180-335966/13	175.0	435.366555	50.0	119941.0	2.487809	N
7	IC 180-335966/14	200.0	509.881302	50.0	132184.0	2.549407	N
8	IC 180-335966/15	250.0	588.227577	50.0	135295.0	2.35291	N



Calibration / Styrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

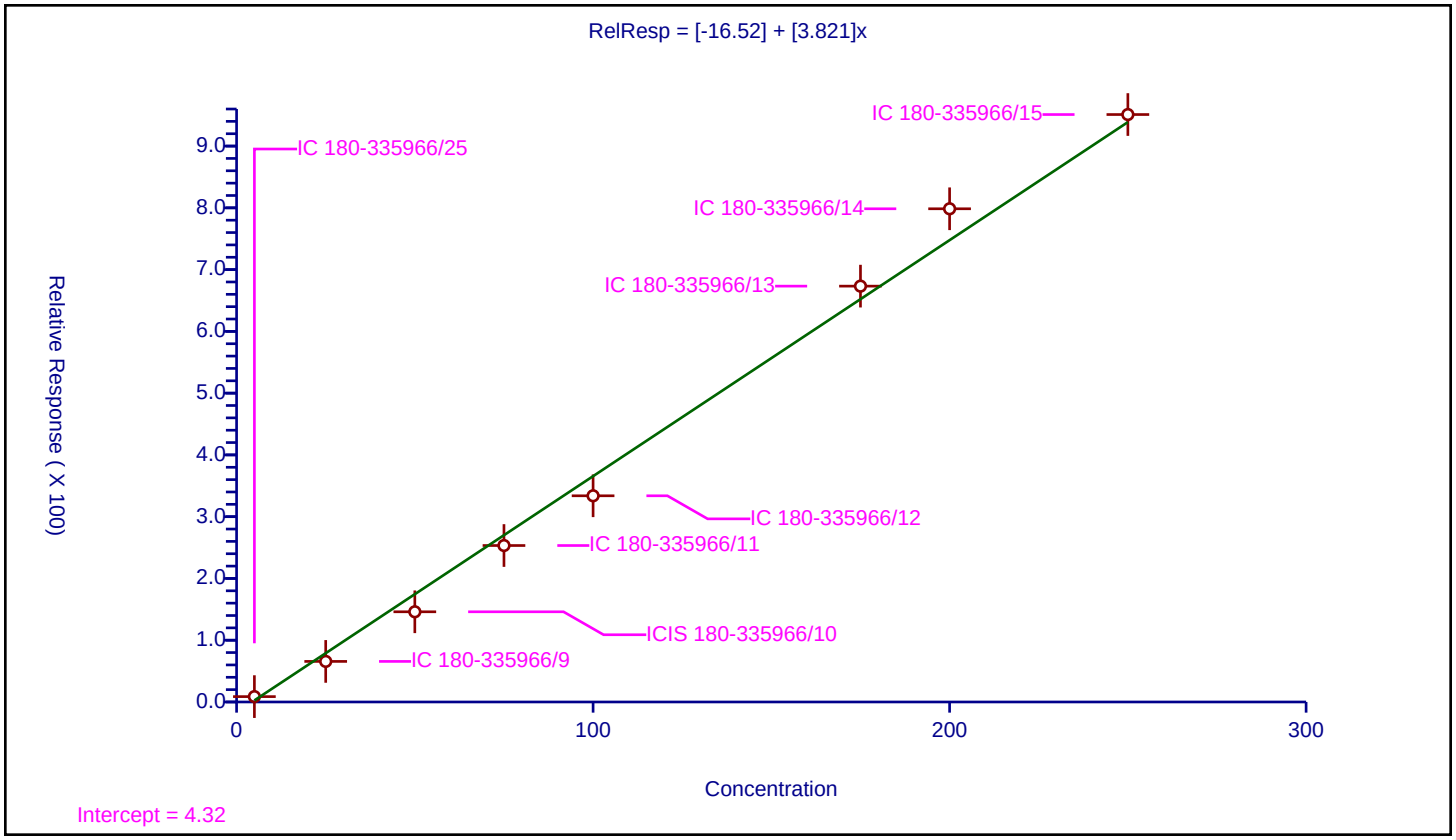
Curve Coefficients

Intercept:	-16.52
Slope:	3.821

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	16.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.67926	50.0	78244.0	1.735852	Y
2	IC 180-335966/9	25.0	65.684547	50.0	123118.0	2.627382	Y
3	ICIS 180-335966/10	50.0	146.051133	50.0	137014.0	2.921023	Y
4	IC 180-335966/11	75.0	253.316953	50.0	124135.0	3.377559	Y
5	IC 180-335966/12	100.0	333.816228	50.0	123664.0	3.338162	Y
6	IC 180-335966/13	175.0	673.246429	50.0	119941.0	3.847122	Y
7	IC 180-335966/14	200.0	798.485066	50.0	132184.0	3.992425	Y
8	IC 180-335966/15	250.0	951.054363	50.0	135295.0	3.804217	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

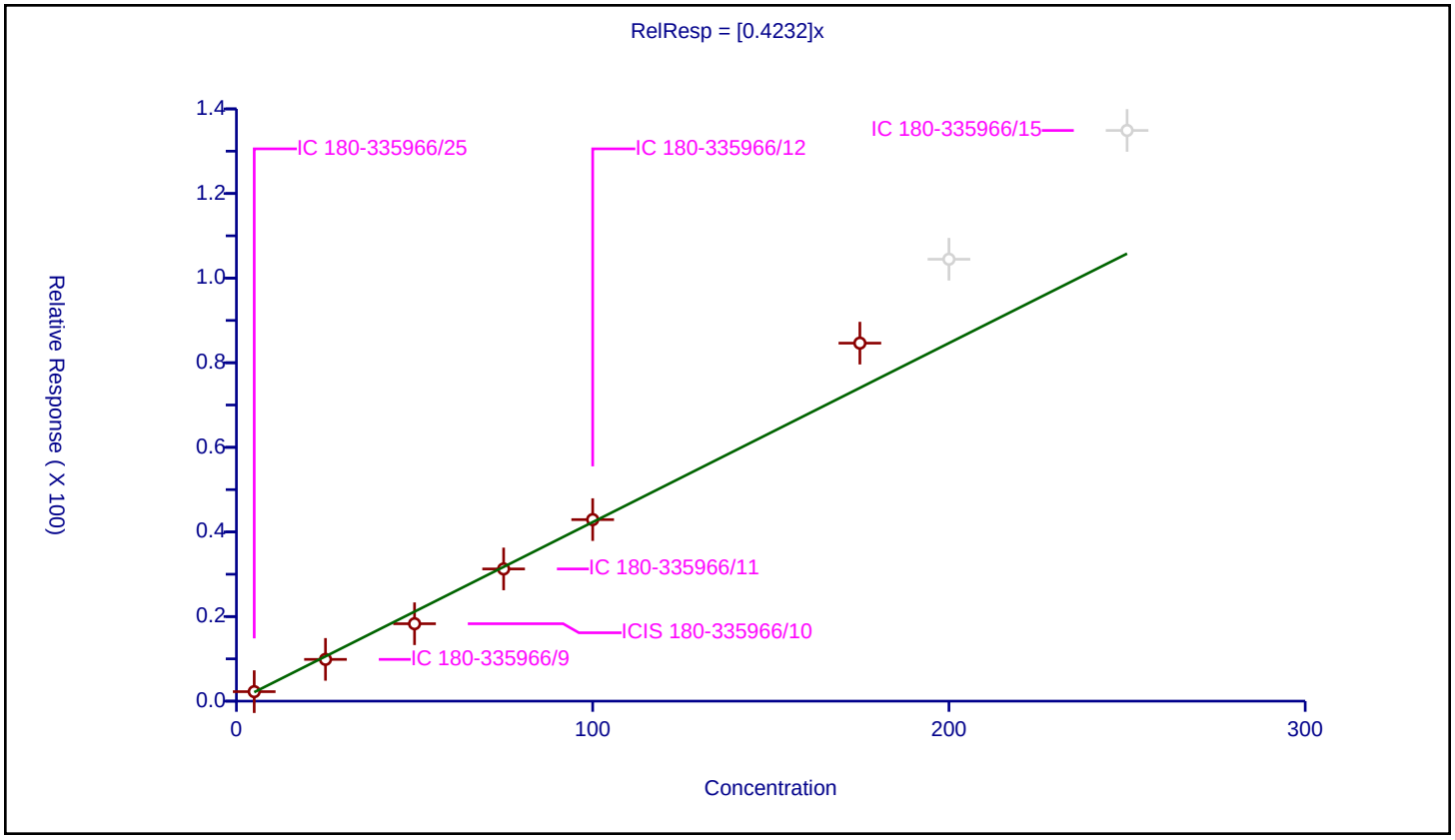
Curve Coefficients

Intercept:	0
Slope:	0.4232

Error Coefficients

Standard Error:	111000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.244901	50.0	78244.0	0.44898	Y
2	IC 180-335966/9	25.0	9.867769	50.0	123118.0	0.394711	Y
3	ICIS 180-335966/10	50.0	18.29667	50.0	137014.0	0.365933	Y
4	IC 180-335966/11	75.0	31.249849	50.0	124135.0	0.416665	Y
5	IC 180-335966/12	100.0	42.908607	50.0	123664.0	0.429086	Y
6	IC 180-335966/13	175.0	84.625774	50.0	119941.0	0.483576	Y
7	IC 180-335966/14	200.0	104.457423	50.0	132184.0	0.522287	N
8	IC 180-335966/15	250.0	134.901512	50.0	135295.0	0.539606	N



Calibration / Isopropylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

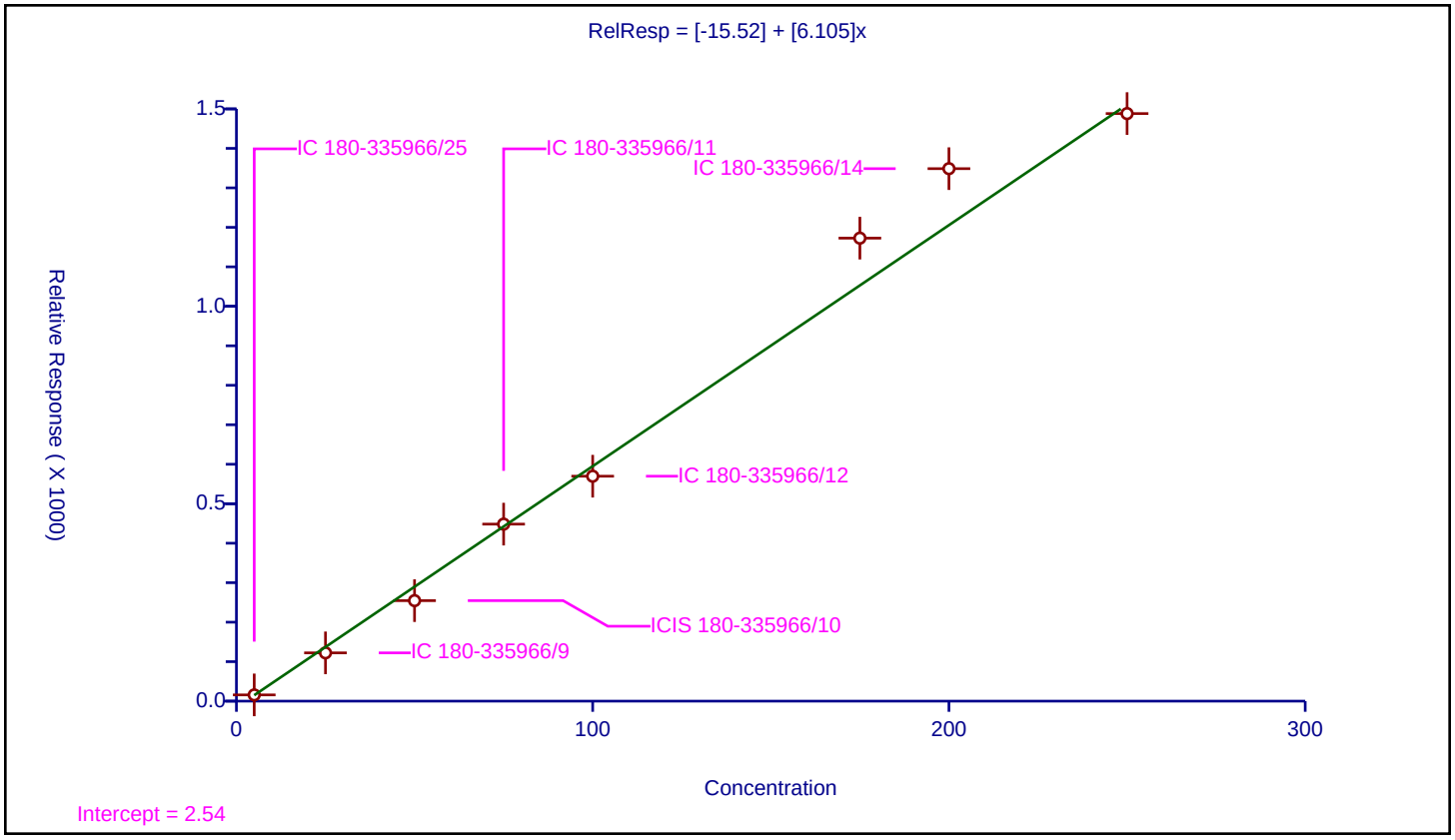
Curve Coefficients

Intercept:	-15.52
Slope:	6.105

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	15.812075	50.0	78244.0	3.162415	Y
2	IC 180-335966/9	25.0	122.272129	50.0	123118.0	4.890885	Y
3	ICIS 180-335966/10	50.0	254.576905	50.0	137014.0	5.091538	Y
4	IC 180-335966/11	75.0	448.365489	50.0	124135.0	5.978207	Y
5	IC 180-335966/12	100.0	569.6763	50.0	123664.0	5.696763	Y
6	IC 180-335966/13	175.0	1172.661975	50.0	119941.0	6.700926	Y
7	IC 180-335966/14	200.0	1348.659066	50.0	132184.0	6.743295	Y
8	IC 180-335966/15	250.0	1488.149599	50.0	135295.0	5.952598	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

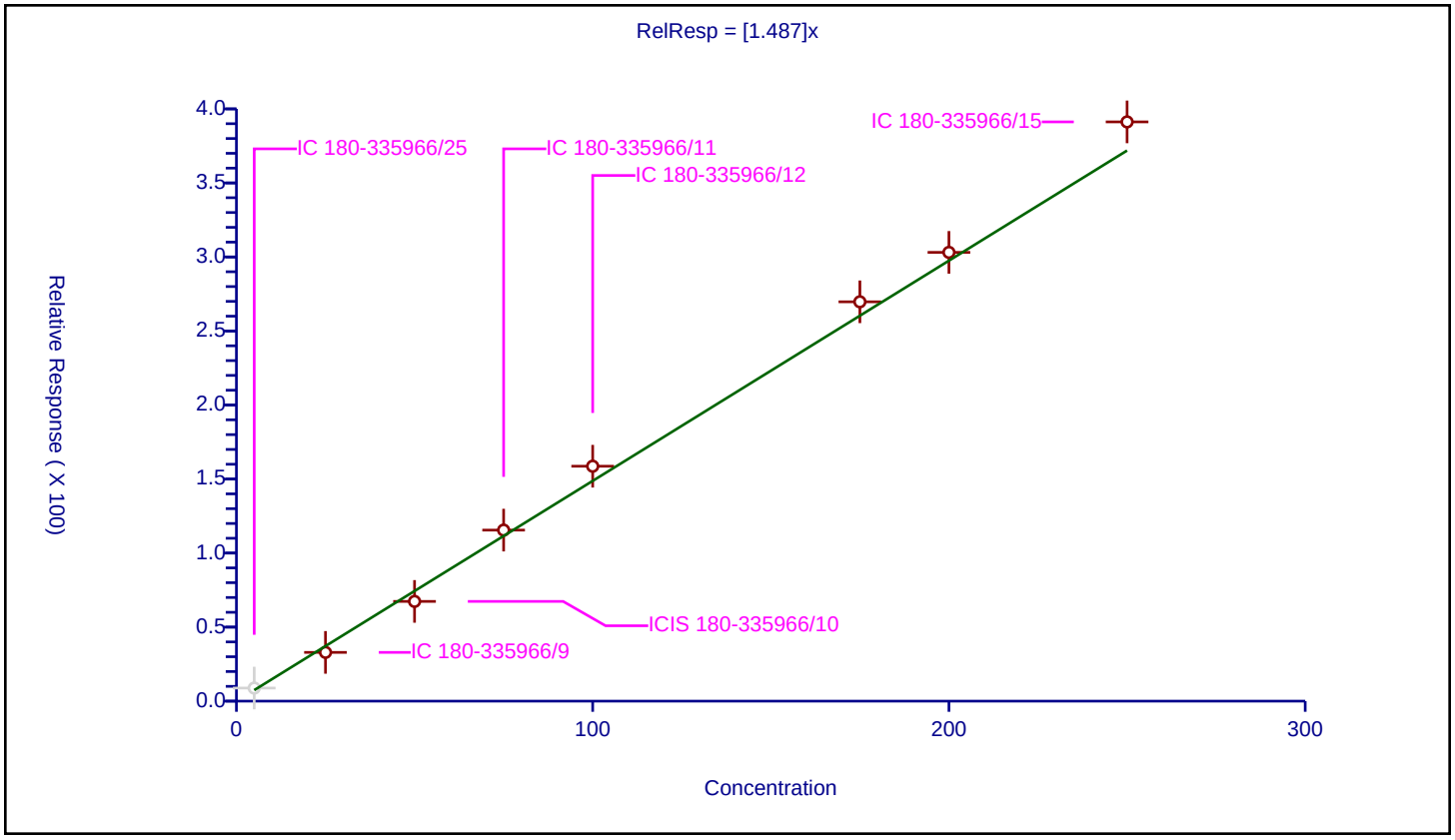
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.835821	50.0	78244.0	1.767164	N
2	IC 180-335966/9	25.0	32.927354	50.0	123118.0	1.317094	Y
3	ICIS 180-335966/10	50.0	67.349322	50.0	137014.0	1.346986	Y
4	IC 180-335966/11	75.0	115.507713	50.0	124135.0	1.540103	Y
5	IC 180-335966/12	100.0	158.663799	50.0	123664.0	1.586638	Y
6	IC 180-335966/13	175.0	269.715944	50.0	119941.0	1.541234	Y
7	IC 180-335966/14	200.0	303.094928	50.0	132184.0	1.515475	Y
8	IC 180-335966/15	250.0	391.213644	50.0	135295.0	1.564855	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

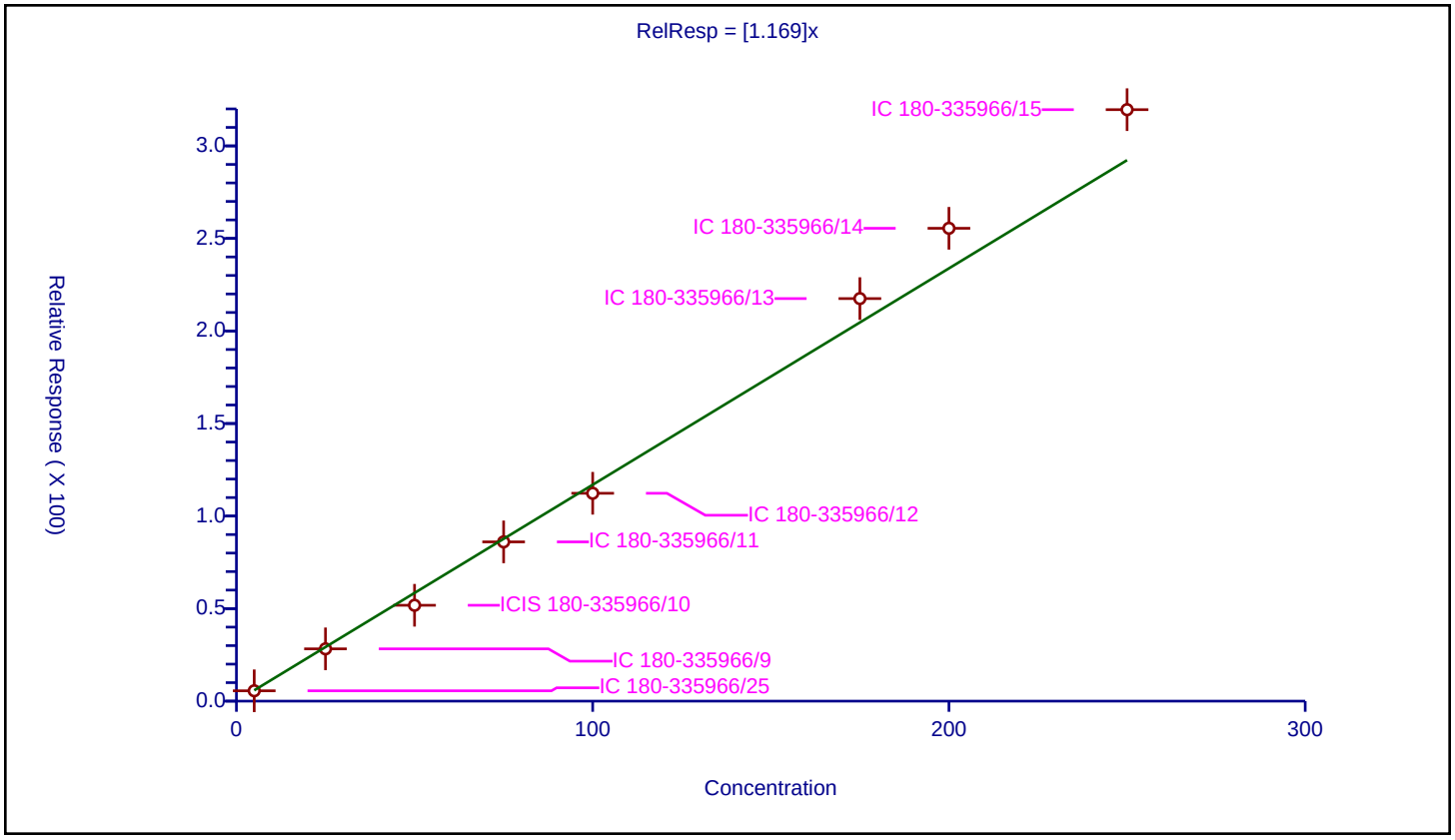
Curve Coefficients

Intercept:	0
Slope:	1.169

Error Coefficients

Standard Error:	482000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	5.589566	50.0	78244.0	1.117913	Y
2	IC 180-335966/9	25.0	28.252977	50.0	123118.0	1.130119	Y
3	ICIS 180-335966/10	50.0	51.80456	50.0	137014.0	1.036091	Y
4	IC 180-335966/11	75.0	86.051476	50.0	124135.0	1.147353	Y
5	IC 180-335966/12	100.0	112.317651	50.0	123664.0	1.123177	Y
6	IC 180-335966/13	175.0	217.504023	50.0	119941.0	1.24288	Y
7	IC 180-335966/14	200.0	255.487427	50.0	132184.0	1.277437	Y
8	IC 180-335966/15	250.0	319.582764	50.0	135295.0	1.278331	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

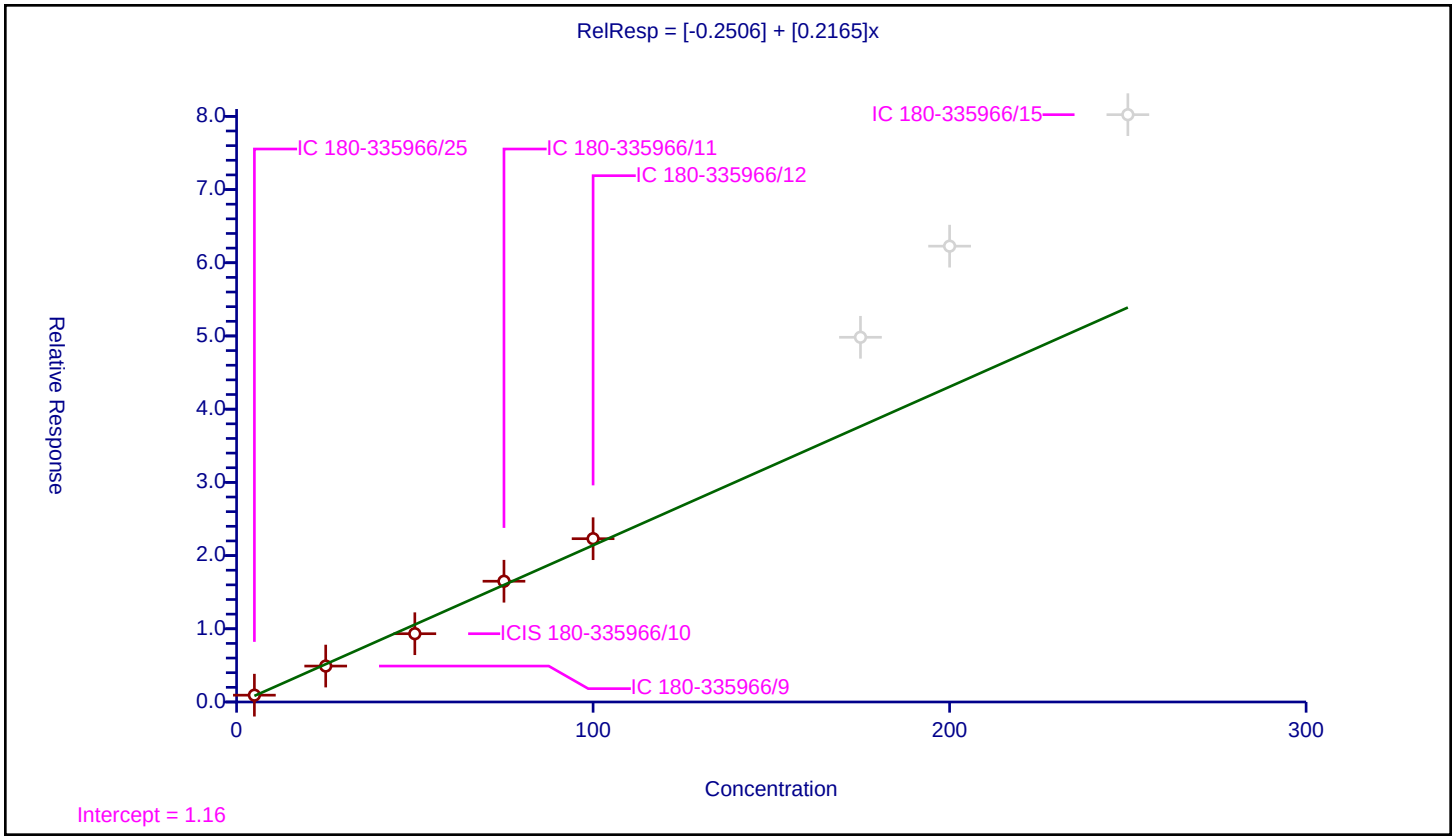
Curve Coefficients

Intercept:	-0.2506
Slope:	0.2165

Error Coefficients

Standard Error:	61500
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.928947	50.0	91017.0	0.185789	Y
2	IC 180-335966/9	25.0	4.910075	50.0	164692.0	0.196403	Y
3	ICIS 180-335966/10	50.0	9.327614	50.0	191051.0	0.186552	Y
4	IC 180-335966/11	75.0	16.493989	50.0	177595.0	0.21992	Y
5	IC 180-335966/12	100.0	22.305749	50.0	179317.0	0.223057	Y
6	IC 180-335966/13	175.0	49.820523	50.0	161023.0	0.284689	N
7	IC 180-335966/14	200.0	62.26677	50.0	177614.0	0.311334	N
8	IC 180-335966/15	250.0	80.226347	50.0	182728.0	0.320905	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

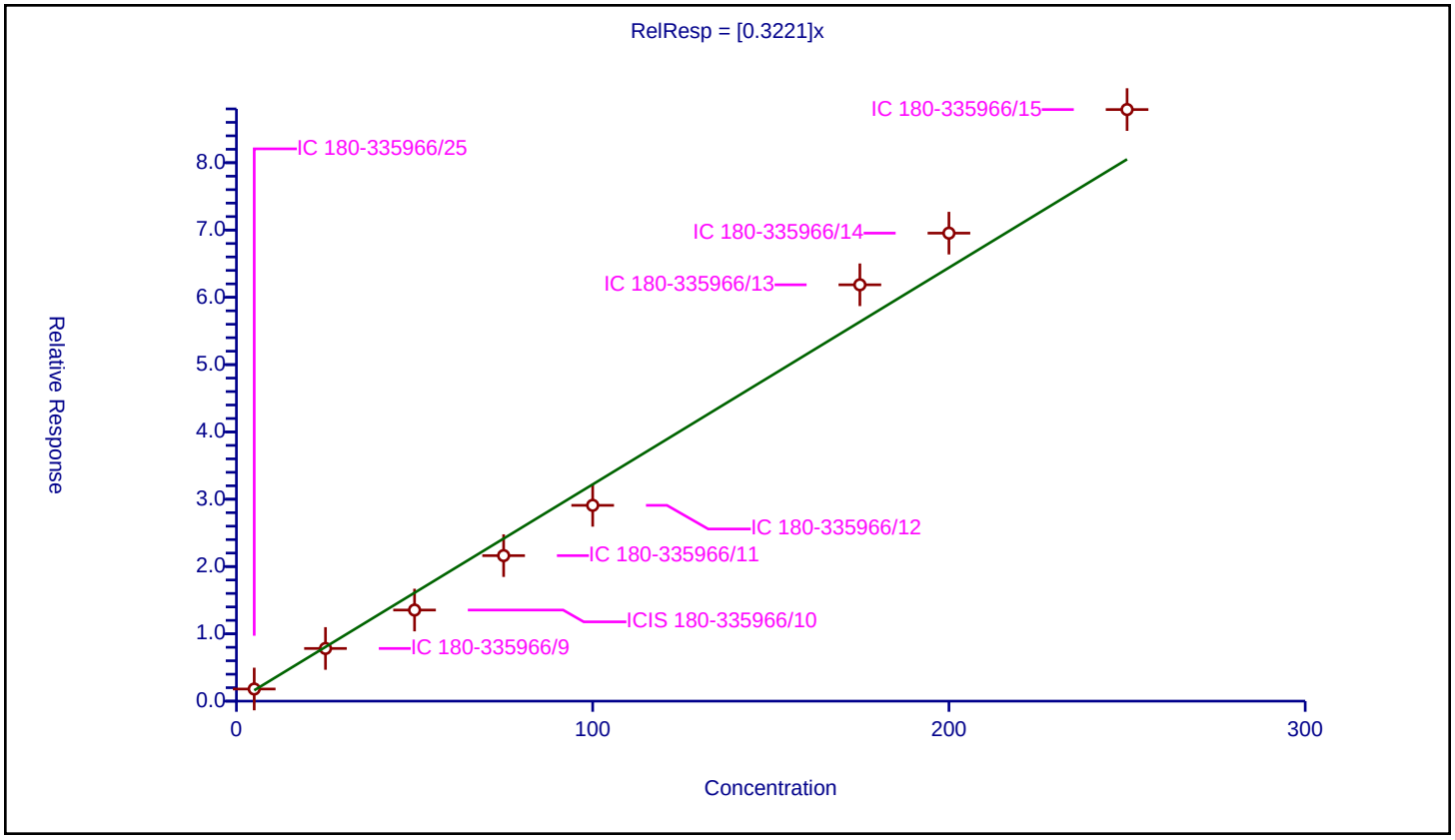
Curve Coefficients

Intercept:	0
Slope:	0.3221

Error Coefficients

Standard Error:	179000
Relative Standard Error:	11.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.803509	50.0	91017.0	0.360702	Y
2	IC 180-335966/9	25.0	7.825213	50.0	164692.0	0.313009	Y
3	ICIS 180-335966/10	50.0	13.535653	50.0	191051.0	0.270713	Y
4	IC 180-335966/11	75.0	21.623357	50.0	177595.0	0.288311	Y
5	IC 180-335966/12	100.0	29.092613	50.0	179317.0	0.290926	Y
6	IC 180-335966/13	175.0	61.863833	50.0	161023.0	0.353508	Y
7	IC 180-335966/14	200.0	69.536467	50.0	177614.0	0.347682	Y
8	IC 180-335966/15	250.0	87.902237	50.0	182728.0	0.351609	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

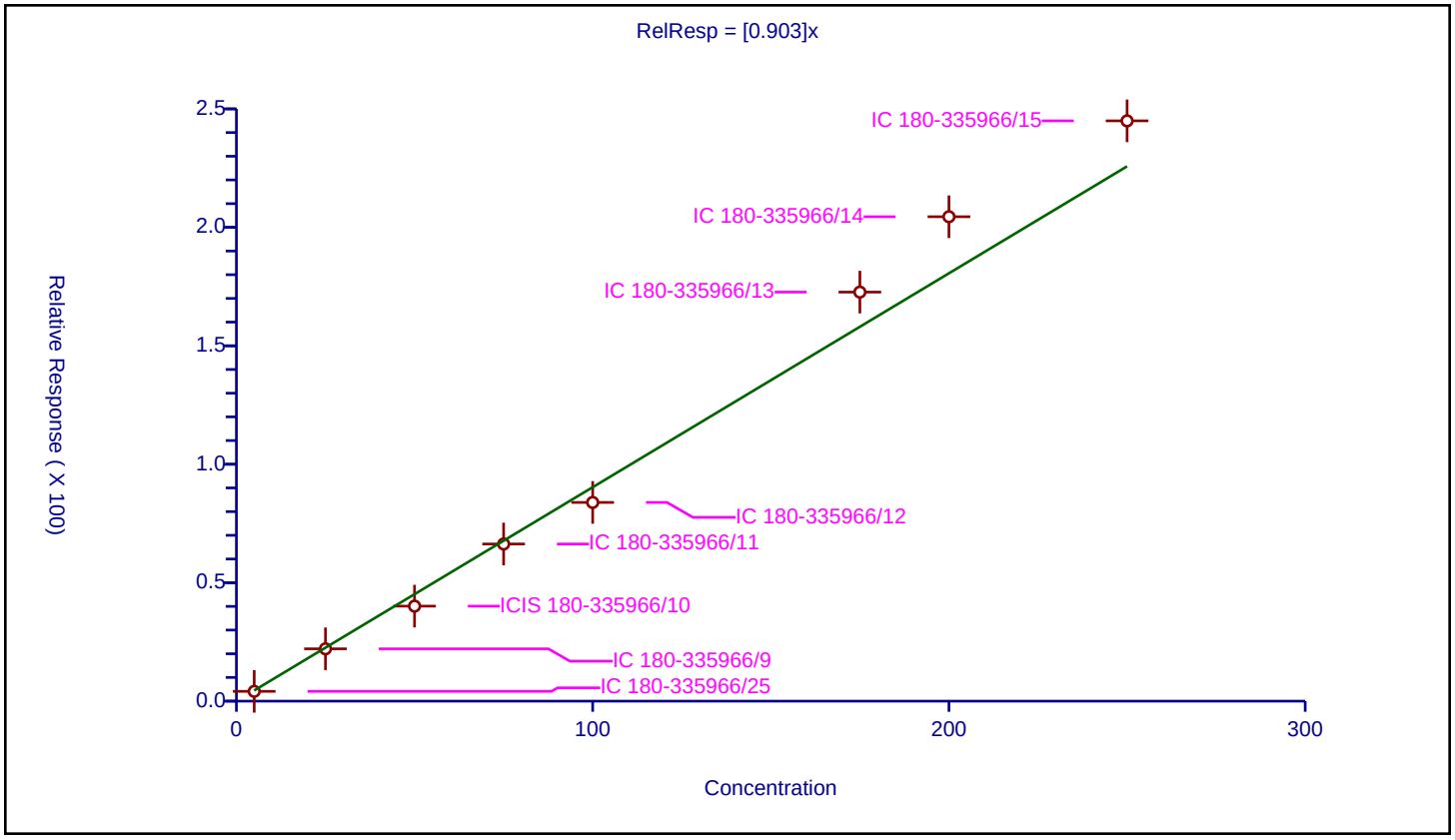
Curve Coefficients

Intercept:	0
Slope:	0.903

Error Coefficients

Standard Error:	509000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	4.131646	50.0	91017.0	0.826329	Y
2	IC 180-335966/9	25.0	22.083343	50.0	164692.0	0.883334	Y
3	ICIS 180-335966/10	50.0	40.111541	50.0	191051.0	0.802231	Y
4	IC 180-335966/11	75.0	66.334356	50.0	177595.0	0.884458	Y
5	IC 180-335966/12	100.0	83.871022	50.0	179317.0	0.83871	Y
6	IC 180-335966/13	175.0	172.657322	50.0	161023.0	0.986613	Y
7	IC 180-335966/14	200.0	204.474309	50.0	177614.0	1.022372	Y
8	IC 180-335966/15	250.0	244.946314	50.0	182728.0	0.979785	Y



Calibration / N-Propylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

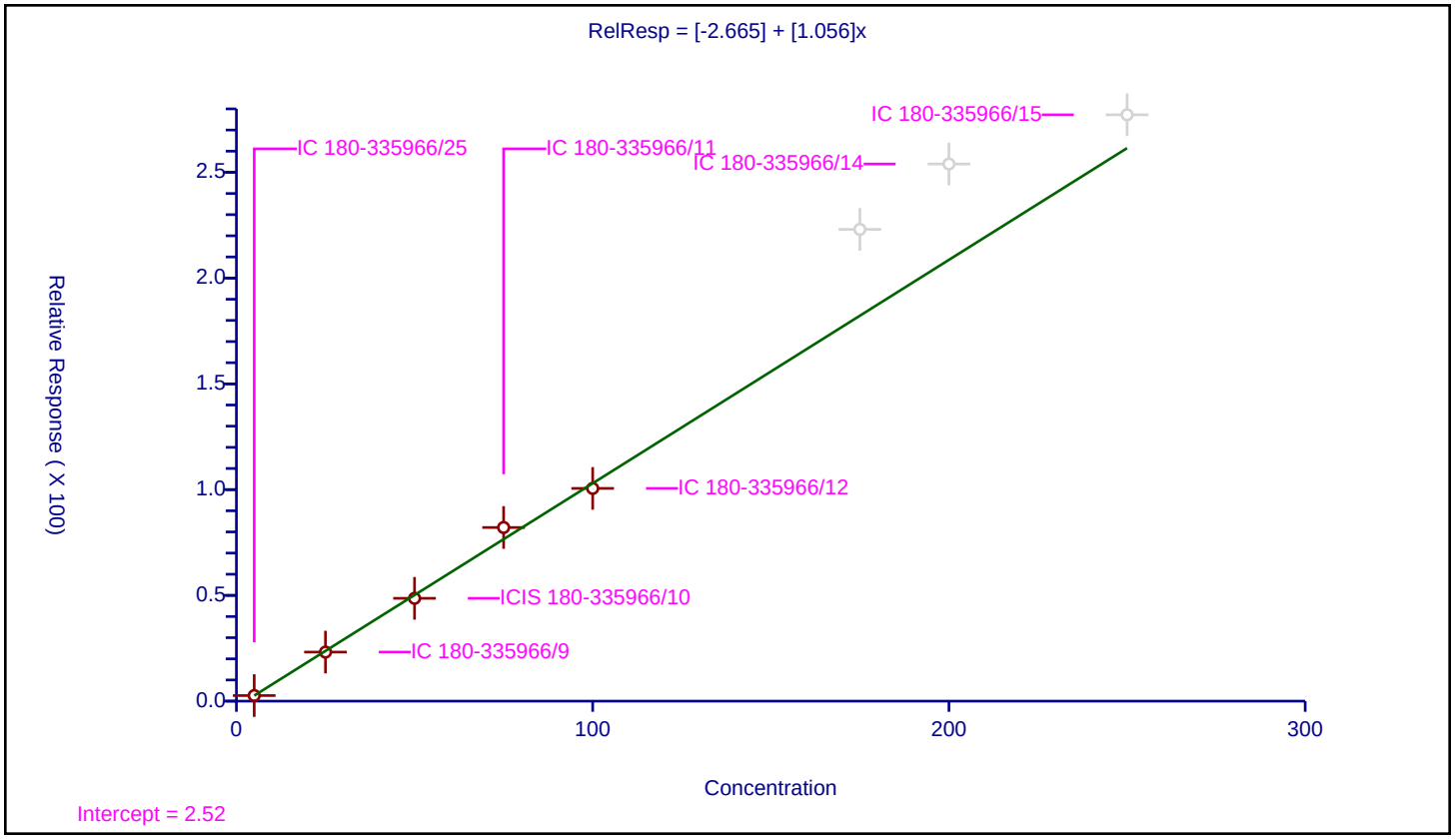
Curve Coefficients

Intercept:	-2.665
Slope:	1.056

Error Coefficients

Standard Error:	292000
Relative Standard Error:	4.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	2.63687	50.0	91017.0	0.527374	Y
2	IC 180-335966/9	25.0	23.187222	50.0	164692.0	0.927489	Y
3	ICIS 180-335966/10	50.0	48.607963	50.0	191051.0	0.972159	Y
4	IC 180-335966/11	75.0	82.092401	50.0	177595.0	1.094565	Y
5	IC 180-335966/12	100.0	100.571613	50.0	179317.0	1.005716	Y
6	IC 180-335966/13	175.0	223.022798	50.0	161023.0	1.274416	N
7	IC 180-335966/14	200.0	253.940568	50.0	177614.0	1.269703	N
8	IC 180-335966/15	250.0	277.210389	50.0	182728.0	1.108842	N



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

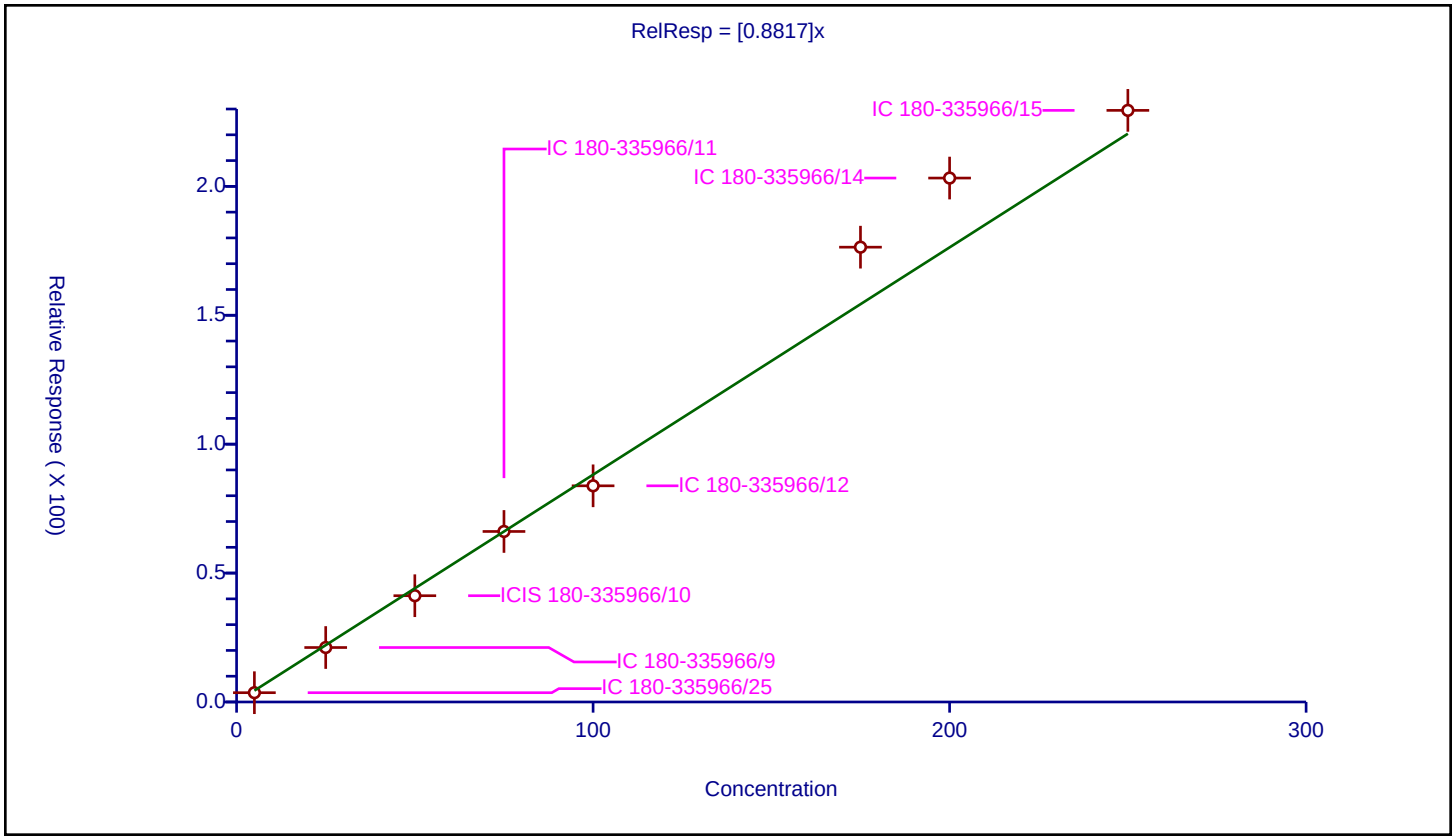
Curve Coefficients

Intercept:	0
Slope:	0.8817

Error Coefficients

Standard Error:	496000
Relative Standard Error:	11.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.607018	50.0	91017.0	0.721404	Y
2	IC 180-335966/9	25.0	21.12337	50.0	164692.0	0.844935	Y
3	ICIS 180-335966/10	50.0	41.221716	50.0	191051.0	0.824434	Y
4	IC 180-335966/11	75.0	66.141502	50.0	177595.0	0.881887	Y
5	IC 180-335966/12	100.0	83.844253	50.0	179317.0	0.838443	Y
6	IC 180-335966/13	175.0	176.412376	50.0	161023.0	1.008071	Y
7	IC 180-335966/14	200.0	203.224689	50.0	177614.0	1.016123	Y
8	IC 180-335966/15	250.0	229.476325	50.0	182728.0	0.917905	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

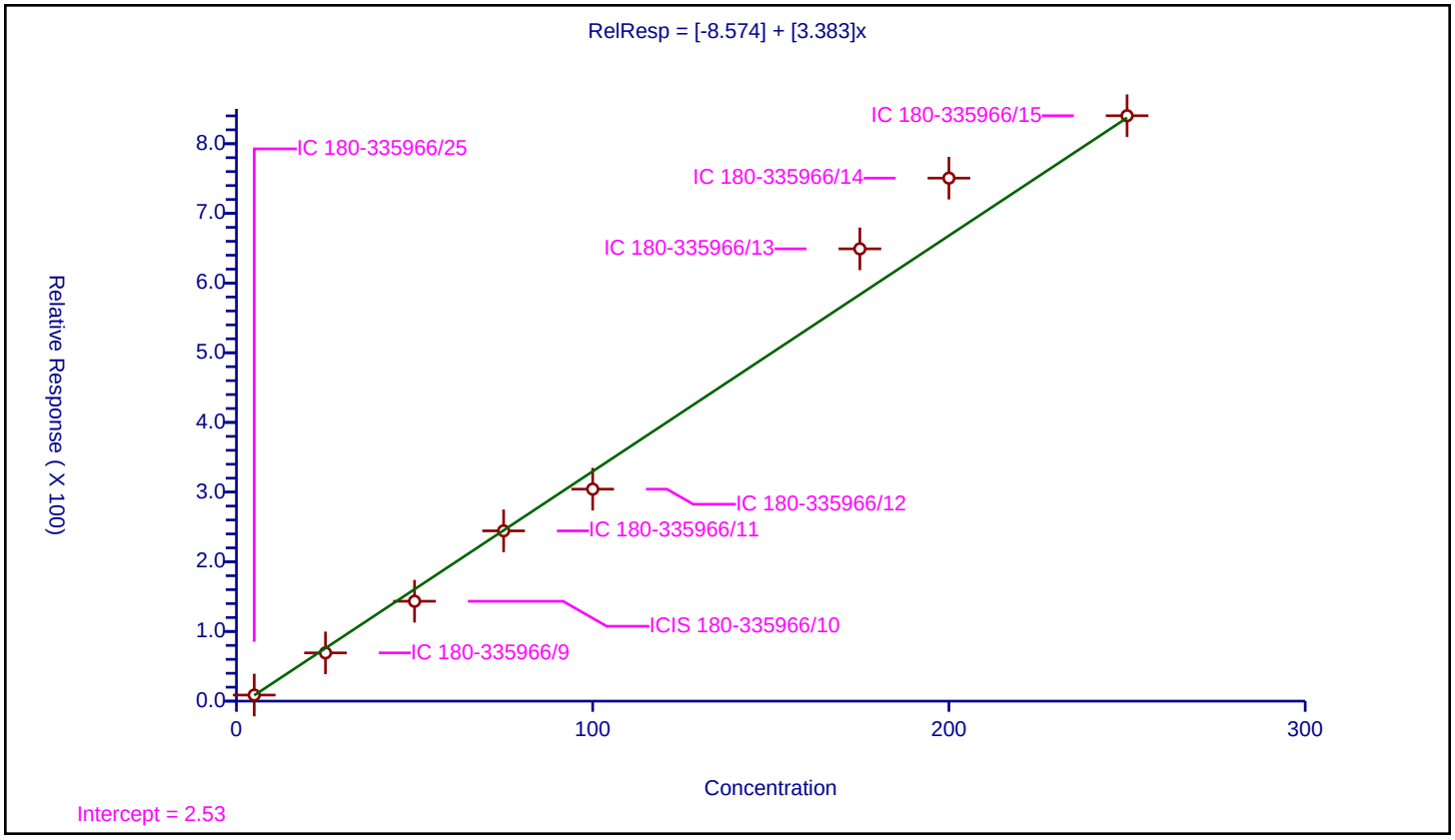
Curve Coefficients

Intercept:	-8.574
Slope:	3.383

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.746718	50.0	91017.0	1.749344	Y
2	IC 180-335966/9	25.0	69.243497	50.0	164692.0	2.76974	Y
3	ICIS 180-335966/10	50.0	143.351513	50.0	191051.0	2.86703	Y
4	IC 180-335966/11	75.0	244.404685	50.0	177595.0	3.258729	Y
5	IC 180-335966/12	100.0	304.26089	50.0	179317.0	3.042609	Y
6	IC 180-335966/13	175.0	649.156332	50.0	161023.0	3.709465	Y
7	IC 180-335966/14	200.0	750.670274	50.0	177614.0	3.753351	Y
8	IC 180-335966/15	250.0	840.202651	50.0	182728.0	3.360811	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

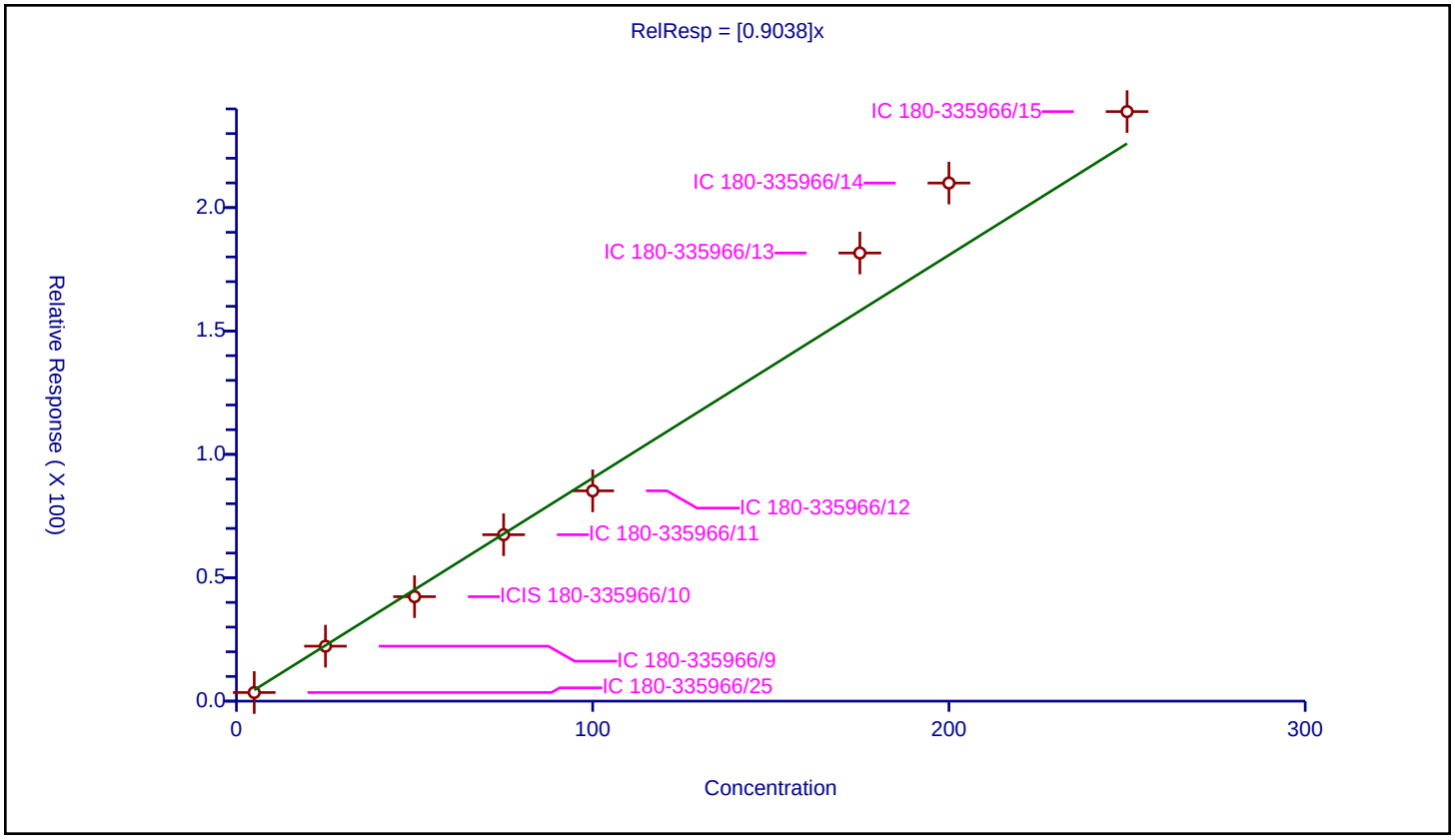
Curve Coefficients

Intercept:	0
Slope:	0.9038

Error Coefficients

Standard Error:	513000
Relative Standard Error:	12.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	3.490557	50.0	91017.0	0.698111	Y
2	IC 180-335966/9	25.0	22.276431	50.0	164692.0	0.891057	Y
3	ICIS 180-335966/10	50.0	42.334508	50.0	191051.0	0.84669	Y
4	IC 180-335966/11	75.0	67.445029	50.0	177595.0	0.899267	Y
5	IC 180-335966/12	100.0	85.225048	50.0	179317.0	0.85225	Y
6	IC 180-335966/13	175.0	181.598281	50.0	161023.0	1.037704	Y
7	IC 180-335966/14	200.0	209.950511	50.0	177614.0	1.049753	Y
8	IC 180-335966/15	250.0	238.909746	50.0	182728.0	0.955639	Y



Calibration / tert-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

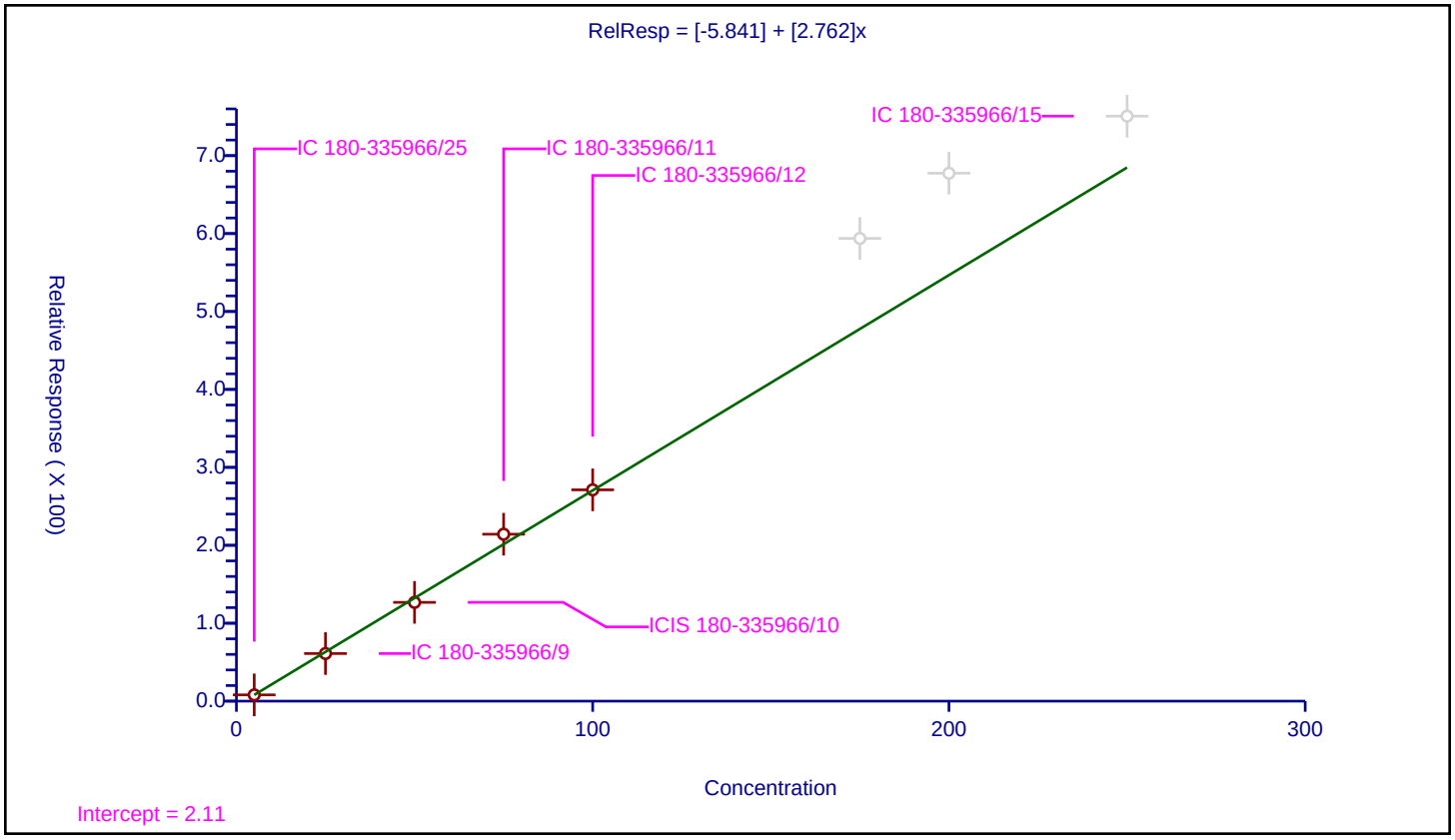
Curve Coefficients

Intercept:	-5.841
Slope:	2.762

Error Coefficients

Standard Error:	774000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.051793	50.0	91017.0	1.610359	Y
2	IC 180-335966/9	25.0	61.104365	50.0	164692.0	2.444175	Y
3	ICIS 180-335966/10	50.0	126.752804	50.0	191051.0	2.535056	Y
4	IC 180-335966/11	75.0	214.204792	50.0	177595.0	2.856064	Y
5	IC 180-335966/12	100.0	271.162243	50.0	179317.0	2.711622	Y
6	IC 180-335966/13	175.0	593.71301	50.0	161023.0	3.392646	N
7	IC 180-335966/14	200.0	677.461799	50.0	177614.0	3.387309	N
8	IC 180-335966/15	250.0	750.65644	50.0	182728.0	3.002626	N



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

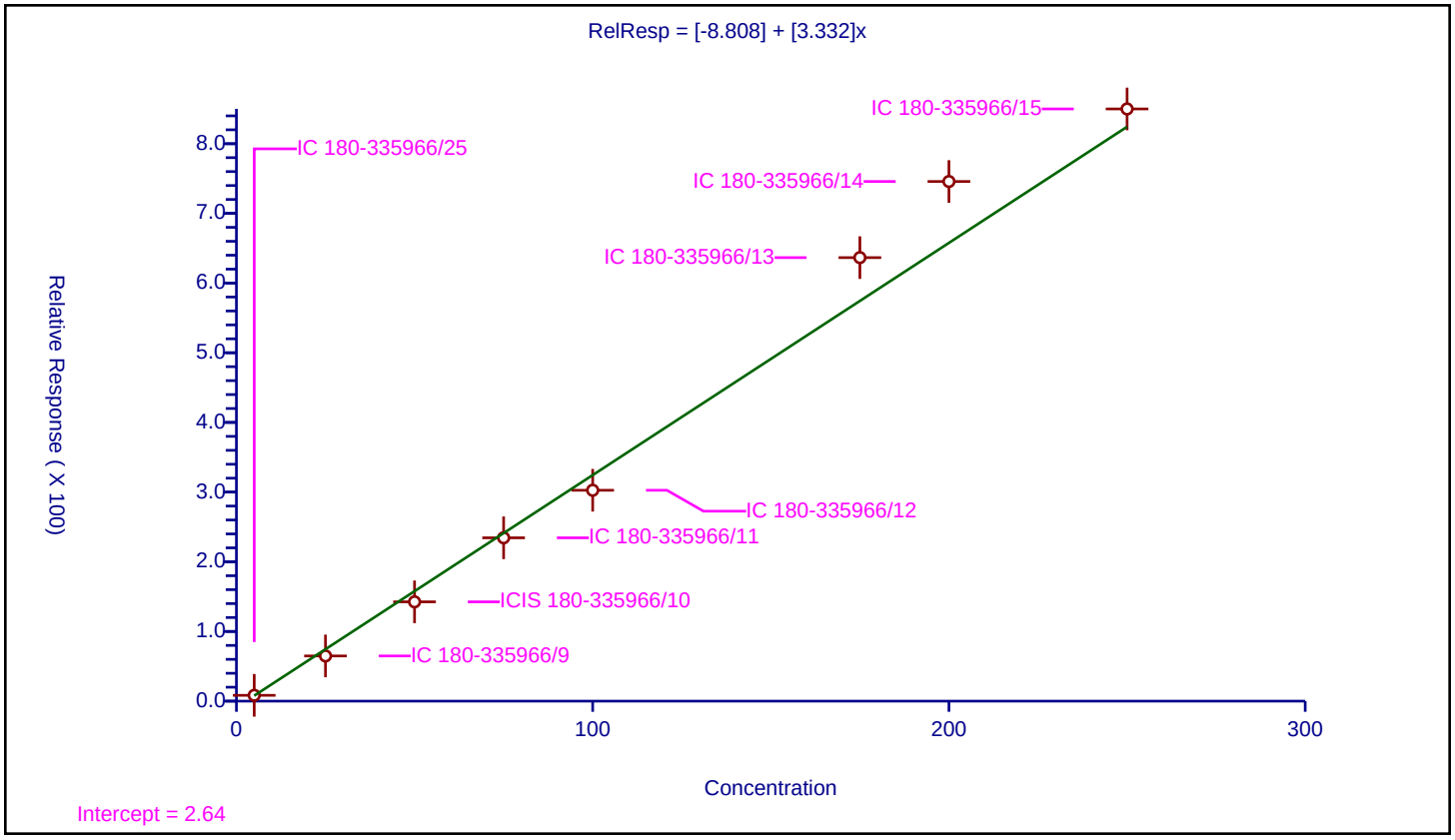
Curve Coefficients

Intercept:	-8.808
Slope:	3.332

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	9.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.362723	50.0	91017.0	1.672545	Y
2	IC 180-335966/9	25.0	64.832839	50.0	164692.0	2.593314	Y
3	ICIS 180-335966/10	50.0	142.523462	50.0	191051.0	2.850469	Y
4	IC 180-335966/11	75.0	234.421859	50.0	177595.0	3.125625	Y
5	IC 180-335966/12	100.0	302.659536	50.0	179317.0	3.026595	Y
6	IC 180-335966/13	175.0	636.551611	50.0	161023.0	3.637438	Y
7	IC 180-335966/14	200.0	745.790591	50.0	177614.0	3.728953	Y
8	IC 180-335966/15	250.0	849.938159	50.0	182728.0	3.399753	Y



Calibration / sec-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

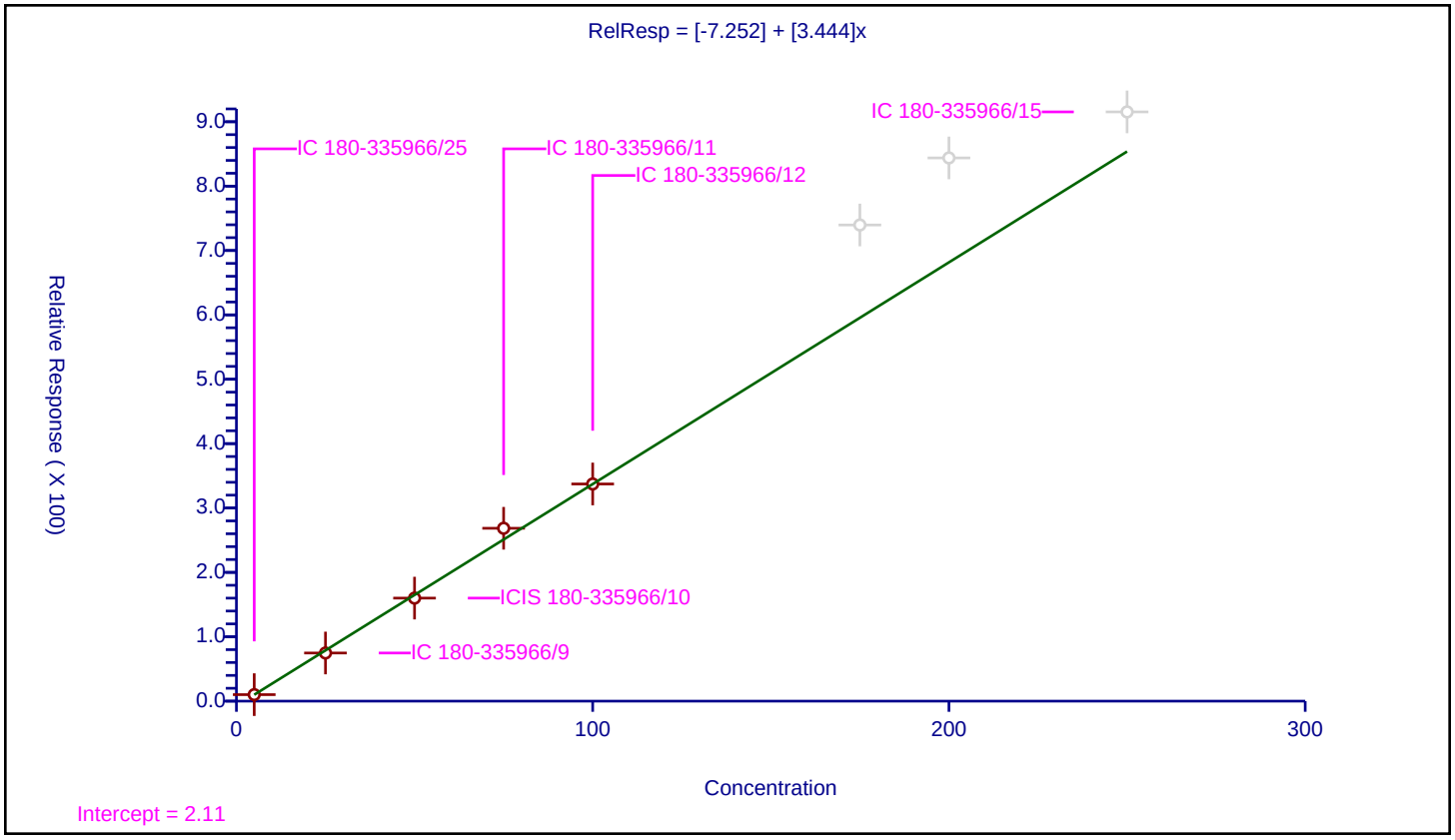
Curve Coefficients

Intercept:	-7.252
Slope:	3.444

Error Coefficients

Standard Error:	967000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	10.103607	50.0	91017.0	2.020721	Y
2	IC 180-335966/9	25.0	74.768963	50.0	164692.0	2.990759	Y
3	ICIS 180-335966/10	50.0	160.035802	50.0	191051.0	3.200716	Y
4	IC 180-335966/11	75.0	268.552606	50.0	177595.0	3.580701	Y
5	IC 180-335966/12	100.0	337.346152	50.0	179317.0	3.373462	Y
6	IC 180-335966/13	175.0	739.660483	50.0	161023.0	4.226631	N
7	IC 180-335966/14	200.0	843.834101	50.0	177614.0	4.219171	N
8	IC 180-335966/15	250.0	915.343297	50.0	182728.0	3.661373	N



Calibration / 4-Isopropyltoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

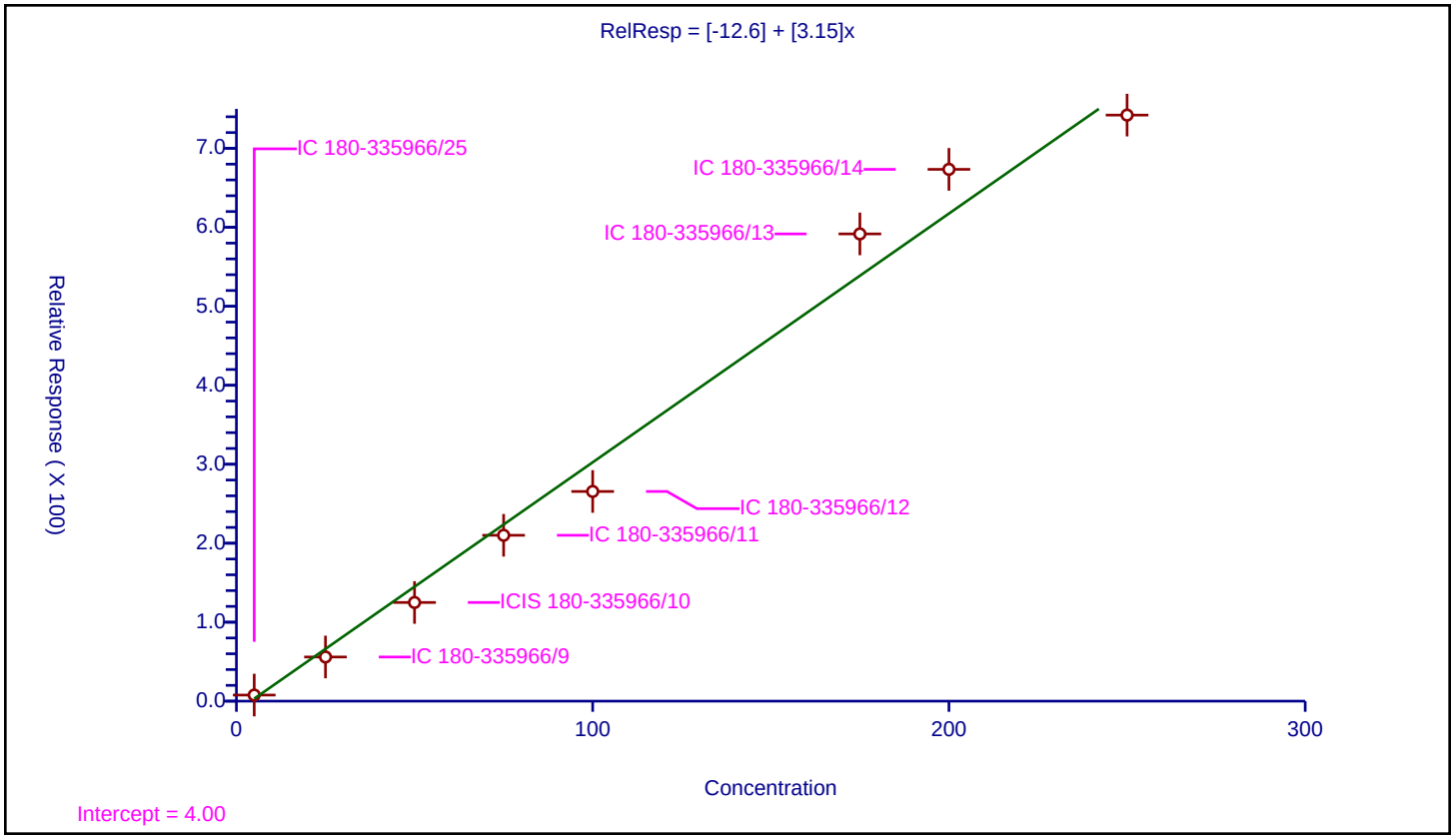
Curve Coefficients

Intercept:	-12.6
Slope:	3.15

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	15.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	7.69197	50.0	91017.0	1.538394	Y
2	IC 180-335966/9	25.0	55.911034	50.0	164692.0	2.236441	Y
3	ICIS 180-335966/10	50.0	124.941508	50.0	191051.0	2.49883	Y
4	IC 180-335966/11	75.0	210.056026	50.0	177595.0	2.800747	Y
5	IC 180-335966/12	100.0	265.527251	50.0	179317.0	2.655273	Y
6	IC 180-335966/13	175.0	591.671066	50.0	161023.0	3.380978	Y
7	IC 180-335966/14	200.0	673.45001	50.0	177614.0	3.36725	Y
8	IC 180-335966/15	250.0	742.14625	50.0	182728.0	2.968585	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

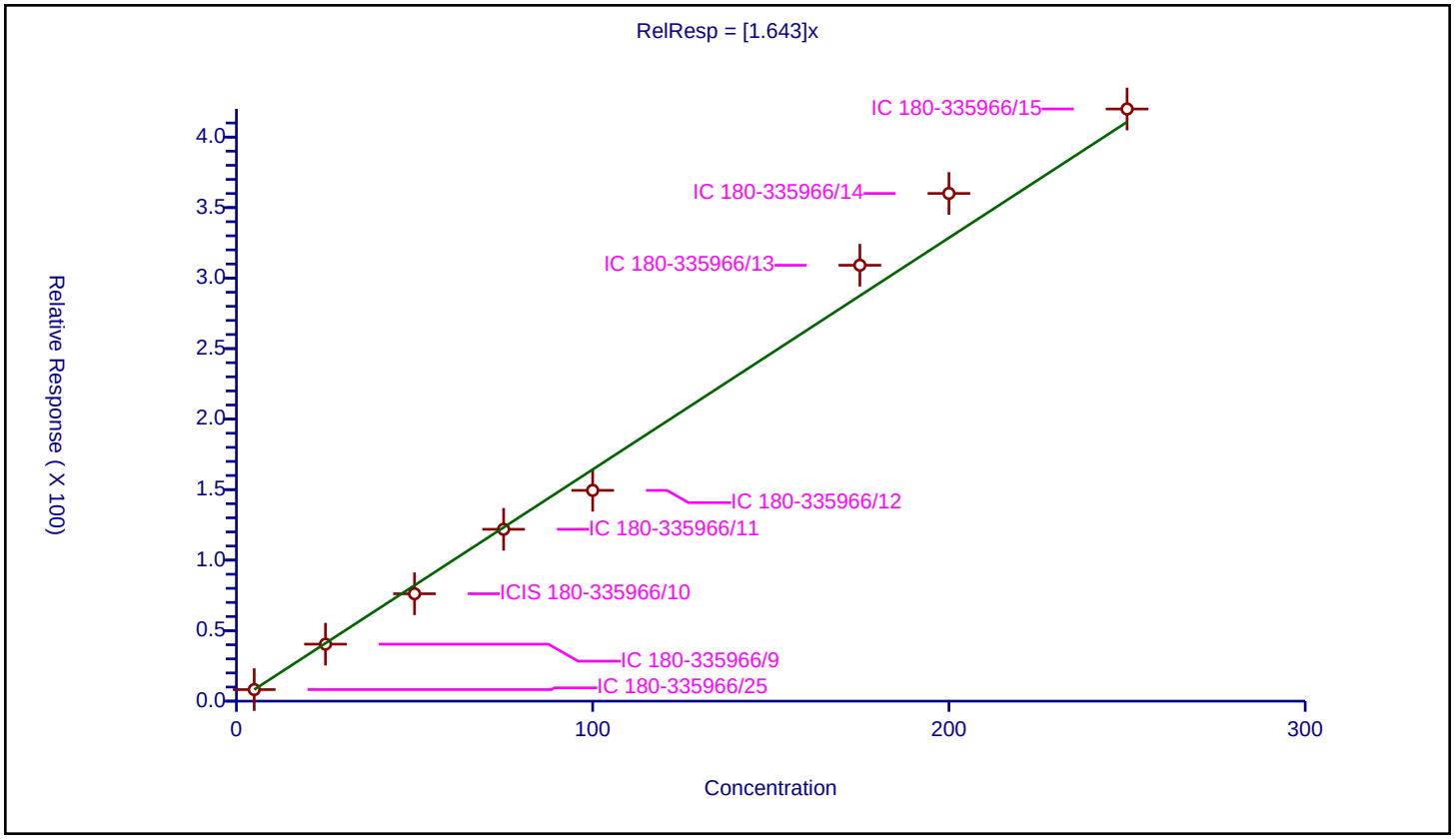
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	891000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.183636	50.0	91017.0	1.636727	Y
2	IC 180-335966/9	25.0	40.415139	50.0	164692.0	1.616606	Y
3	ICIS 180-335966/10	50.0	76.153488	50.0	191051.0	1.52307	Y
4	IC 180-335966/11	75.0	121.868296	50.0	177595.0	1.624911	Y
5	IC 180-335966/12	100.0	149.465472	50.0	179317.0	1.494655	Y
6	IC 180-335966/13	175.0	309.124473	50.0	161023.0	1.766426	Y
7	IC 180-335966/14	200.0	360.048194	50.0	177614.0	1.800241	Y
8	IC 180-335966/15	250.0	419.922781	50.0	182728.0	1.679691	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

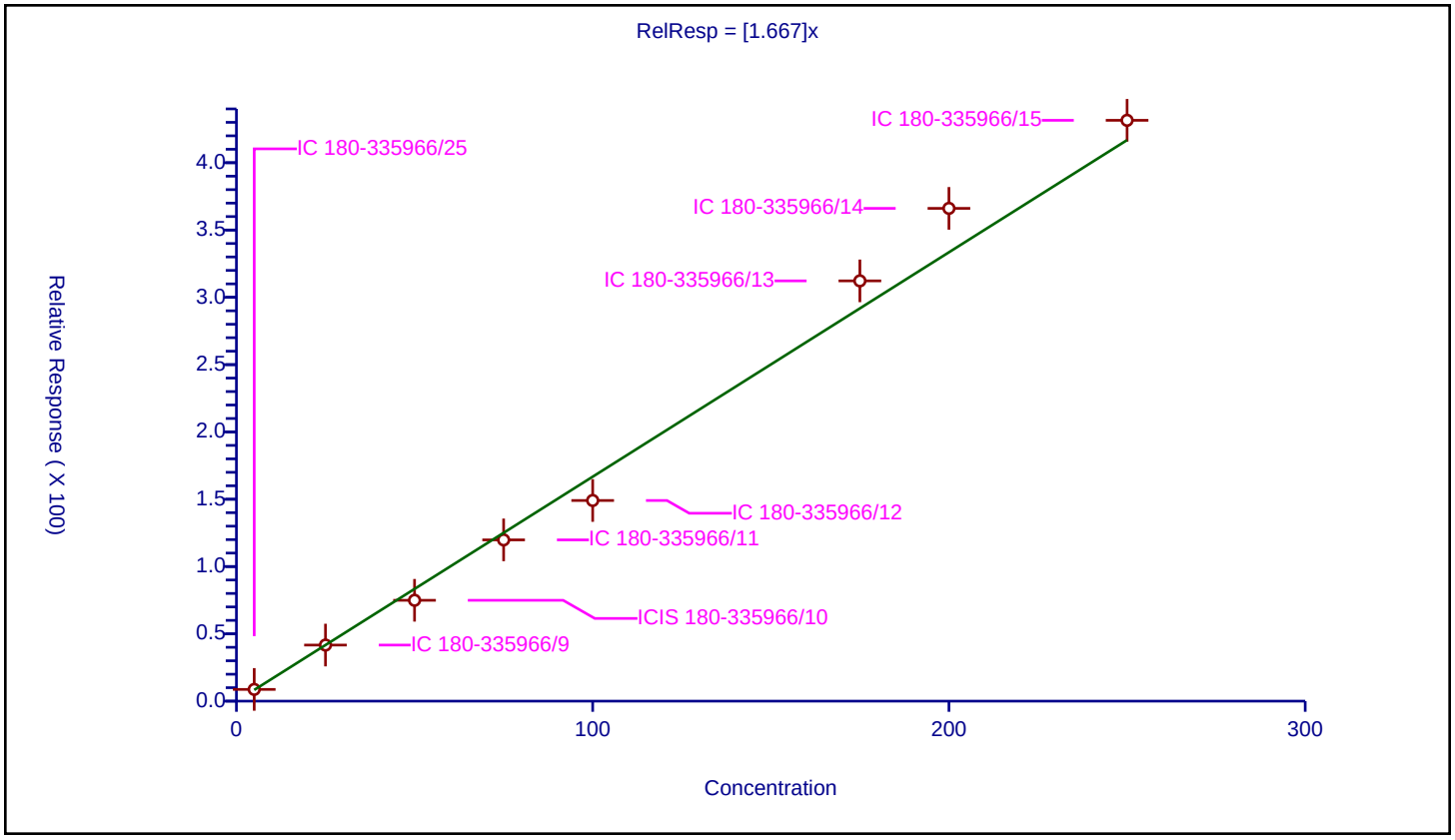
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Standard Error:	907000
Relative Standard Error:	7.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	8.724744	50.0	91017.0	1.744949	Y
2	IC 180-335966/9	25.0	41.665351	50.0	164692.0	1.666614	Y
3	ICIS 180-335966/10	50.0	74.923973	50.0	191051.0	1.498479	Y
4	IC 180-335966/11	75.0	119.800952	50.0	177595.0	1.597346	Y
5	IC 180-335966/12	100.0	149.071198	50.0	179317.0	1.490712	Y
6	IC 180-335966/13	175.0	312.228067	50.0	161023.0	1.78416	Y
7	IC 180-335966/14	200.0	366.093607	50.0	177614.0	1.830468	Y
8	IC 180-335966/15	250.0	431.507487	50.0	182728.0	1.72603	Y



Calibration / n-Butylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

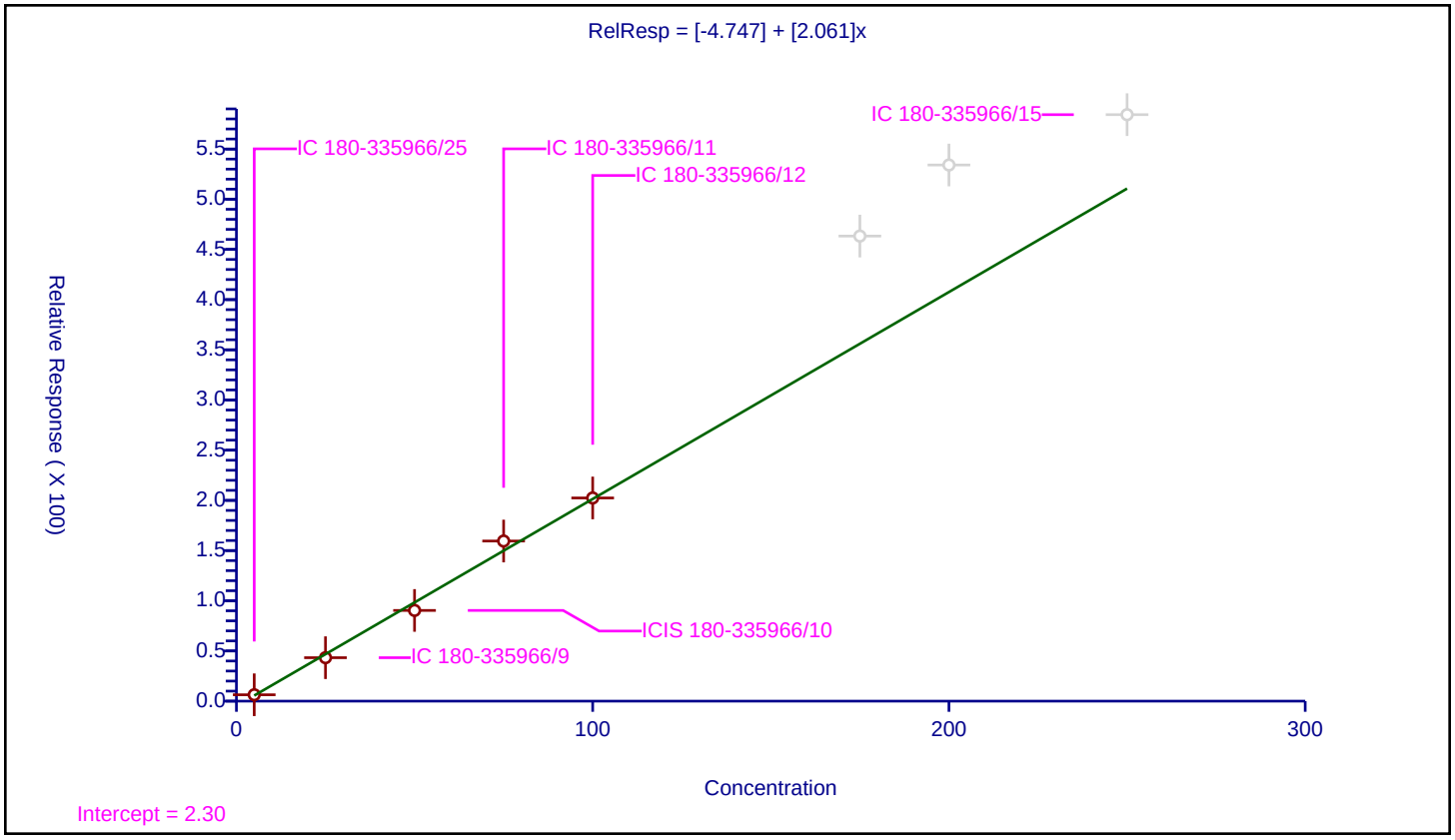
Curve Coefficients

Intercept:	-4.747
Slope:	2.061

Error Coefficients

Standard Error:	574000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.361449	50.0	91017.0	1.27229	Y
2	IC 180-335966/9	25.0	43.299007	50.0	164692.0	1.73196	Y
3	ICIS 180-335966/10	50.0	90.358857	50.0	191051.0	1.807177	Y
4	IC 180-335966/11	75.0	159.504209	50.0	177595.0	2.126723	Y
5	IC 180-335966/12	100.0	202.413324	50.0	179317.0	2.024133	Y
6	IC 180-335966/13	175.0	463.294685	50.0	161023.0	2.647398	N
7	IC 180-335966/14	200.0	534.108235	50.0	177614.0	2.670541	N
8	IC 180-335966/15	250.0	584.234764	50.0	182728.0	2.336939	N



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

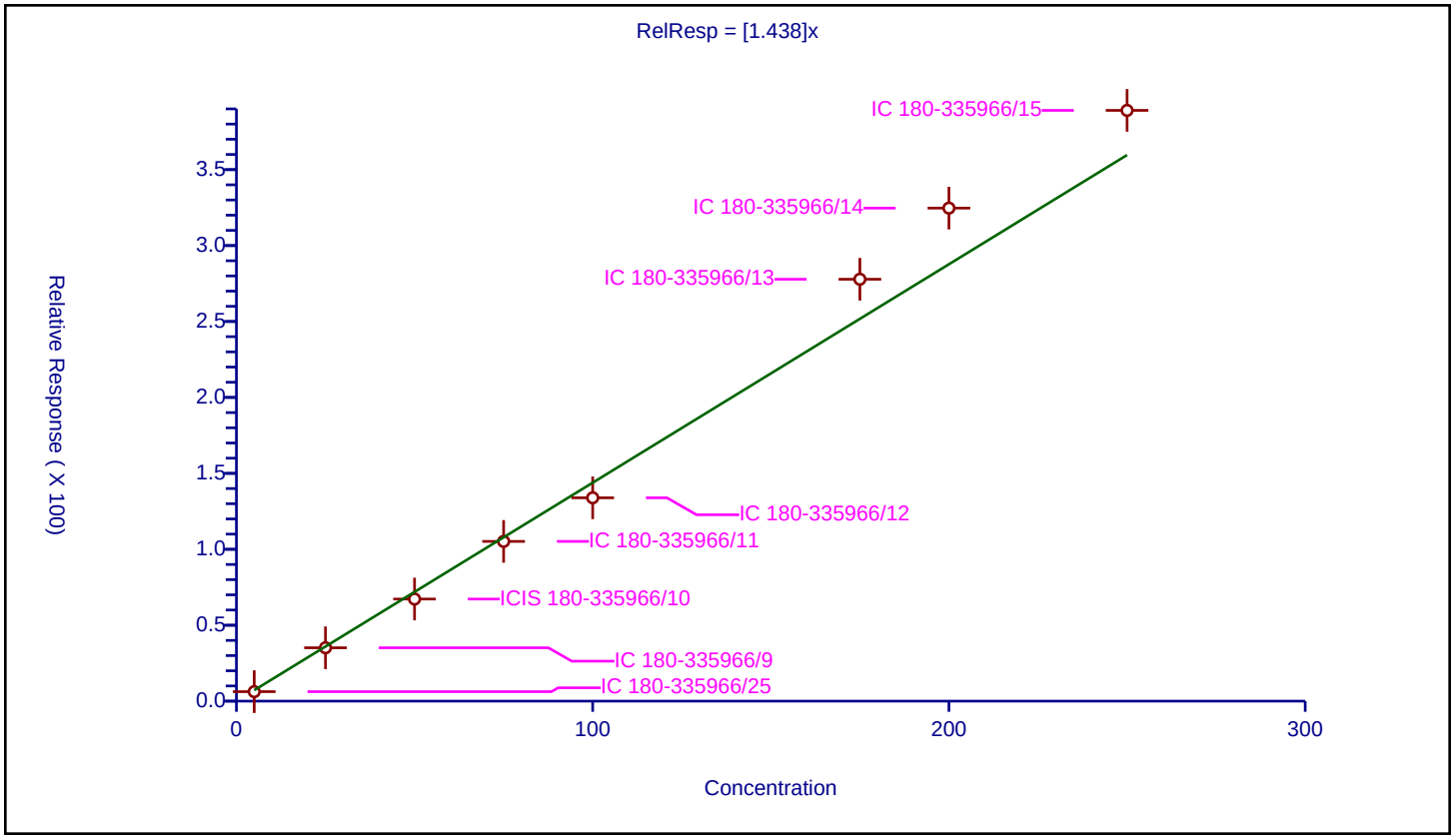
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Standard Error:	811000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	6.246086	50.0	91017.0	1.249217	Y
2	IC 180-335966/9	25.0	35.138622	50.0	164692.0	1.405545	Y
3	ICIS 180-335966/10	50.0	67.231786	50.0	191051.0	1.344636	Y
4	IC 180-335966/11	75.0	105.192714	50.0	177595.0	1.40257	Y
5	IC 180-335966/12	100.0	133.902809	50.0	179317.0	1.339028	Y
6	IC 180-335966/13	175.0	277.830186	50.0	161023.0	1.587601	Y
7	IC 180-335966/14	200.0	324.66613	50.0	177614.0	1.623331	Y
8	IC 180-335966/15	250.0	389.009074	50.0	182728.0	1.556036	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

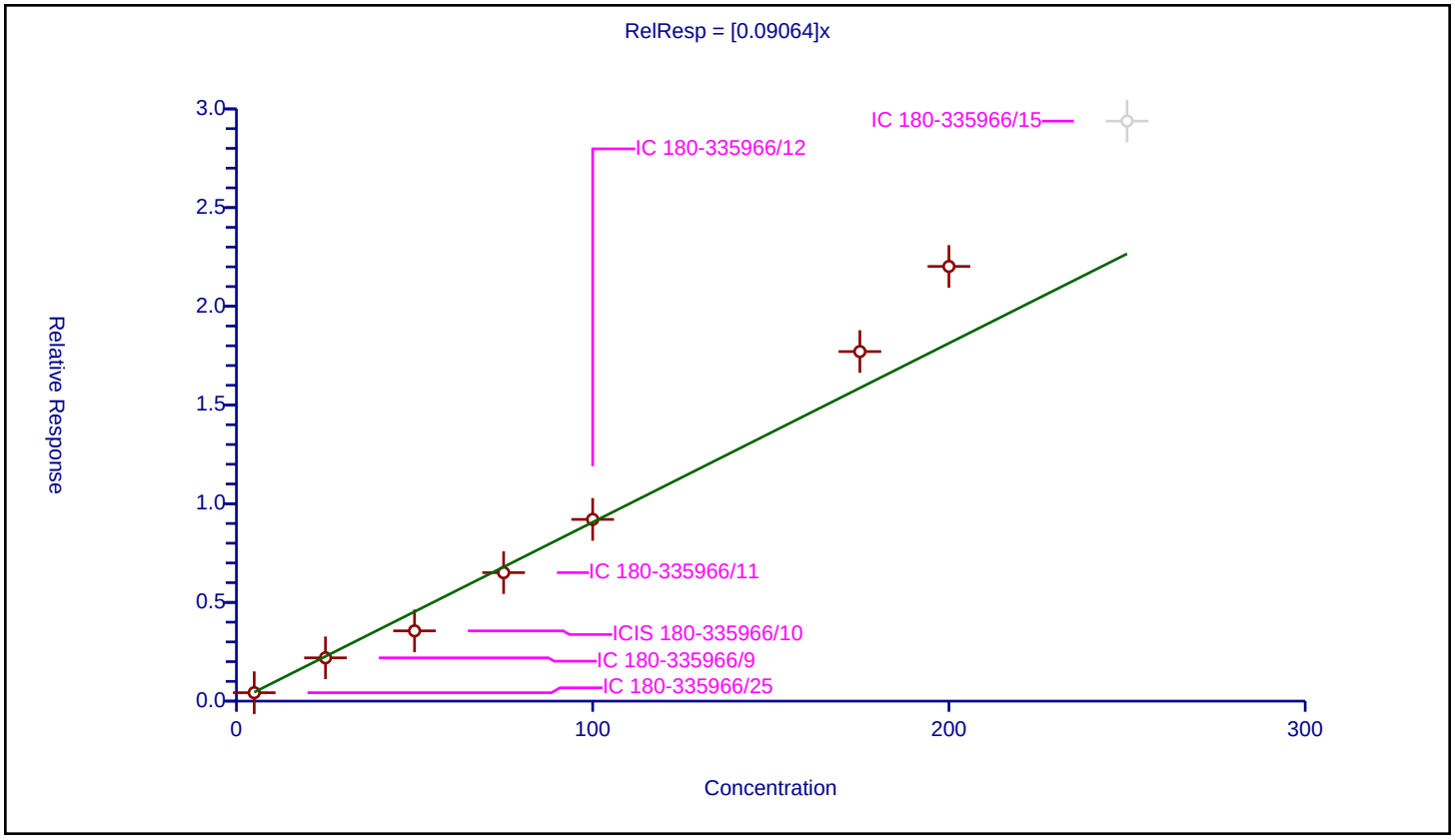
Curve Coefficients

Intercept:	0
Slope:	0.09064

Error Coefficients

Standard Error:	43300
Relative Standard Error:	13.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.427393	50.0	91017.0	0.085479	Y
2	IC 180-335966/9	25.0	2.192578	50.0	164692.0	0.087703	Y
3	ICIS 180-335966/10	50.0	3.559782	50.0	191051.0	0.071196	Y
4	IC 180-335966/11	75.0	6.508348	50.0	177595.0	0.086778	Y
5	IC 180-335966/12	100.0	9.205485	50.0	179317.0	0.092055	Y
6	IC 180-335966/13	175.0	17.707719	50.0	161023.0	0.101187	Y
7	IC 180-335966/14	200.0	22.019661	50.0	177614.0	0.110098	Y
8	IC 180-335966/15	250.0	29.38247	50.0	182728.0	0.11753	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

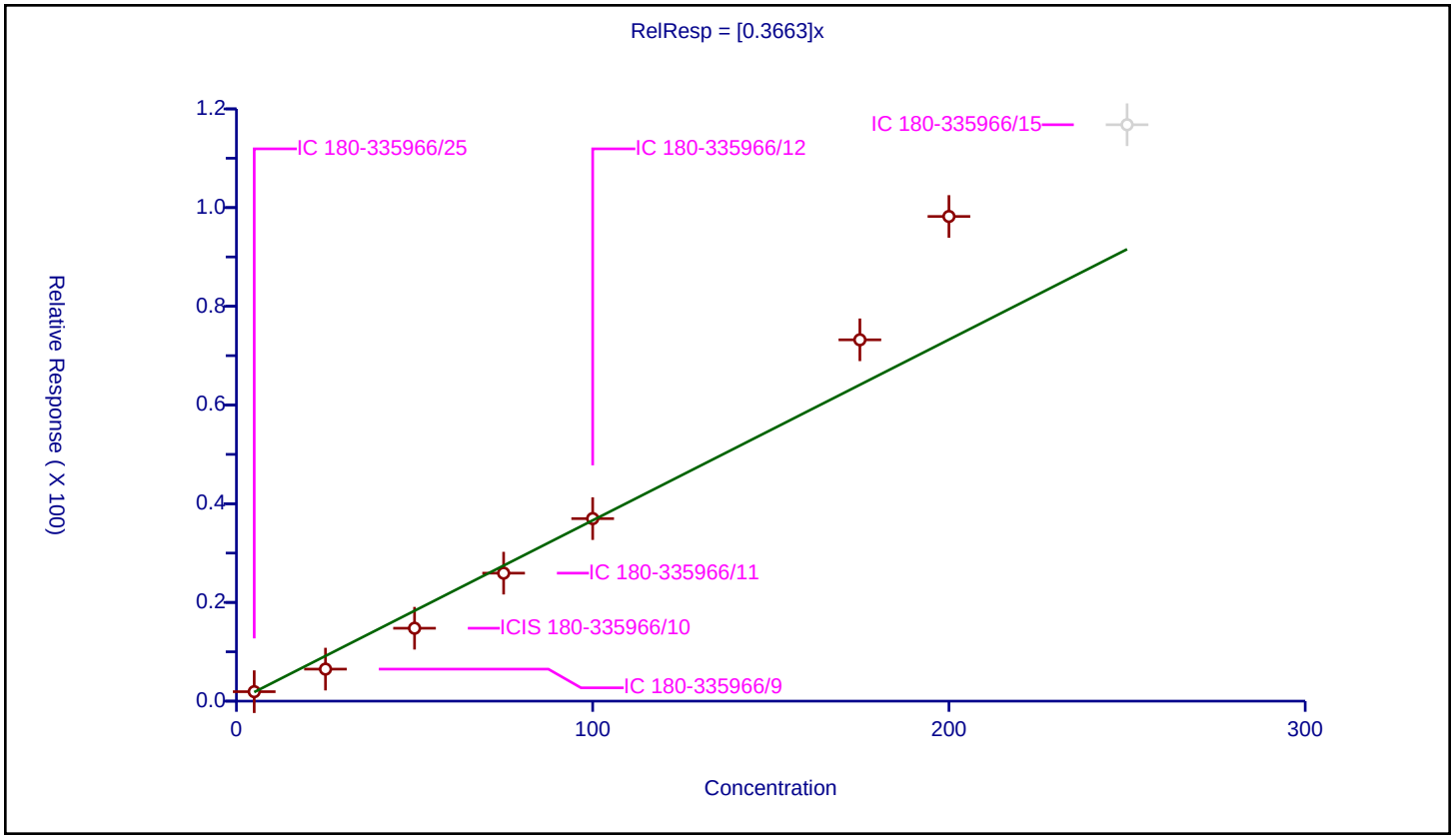
Curve Coefficients

Intercept:	0
Slope:	0.3663

Error Coefficients

Standard Error:	186000
Relative Standard Error:	21.0
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.918872	50.0	91017.0	0.383774	Y
2	IC 180-335966/9	25.0	6.489993	50.0	164692.0	0.2596	Y
3	ICIS 180-335966/10	50.0	14.772757	50.0	191051.0	0.295455	Y
4	IC 180-335966/11	75.0	25.933726	50.0	177595.0	0.345783	Y
5	IC 180-335966/12	100.0	36.985339	50.0	179317.0	0.369853	Y
6	IC 180-335966/13	175.0	73.214696	50.0	161023.0	0.41837	Y
7	IC 180-335966/14	200.0	98.204815	50.0	177614.0	0.491024	Y
8	IC 180-335966/15	250.0	116.791351	50.0	182728.0	0.467165	N



Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

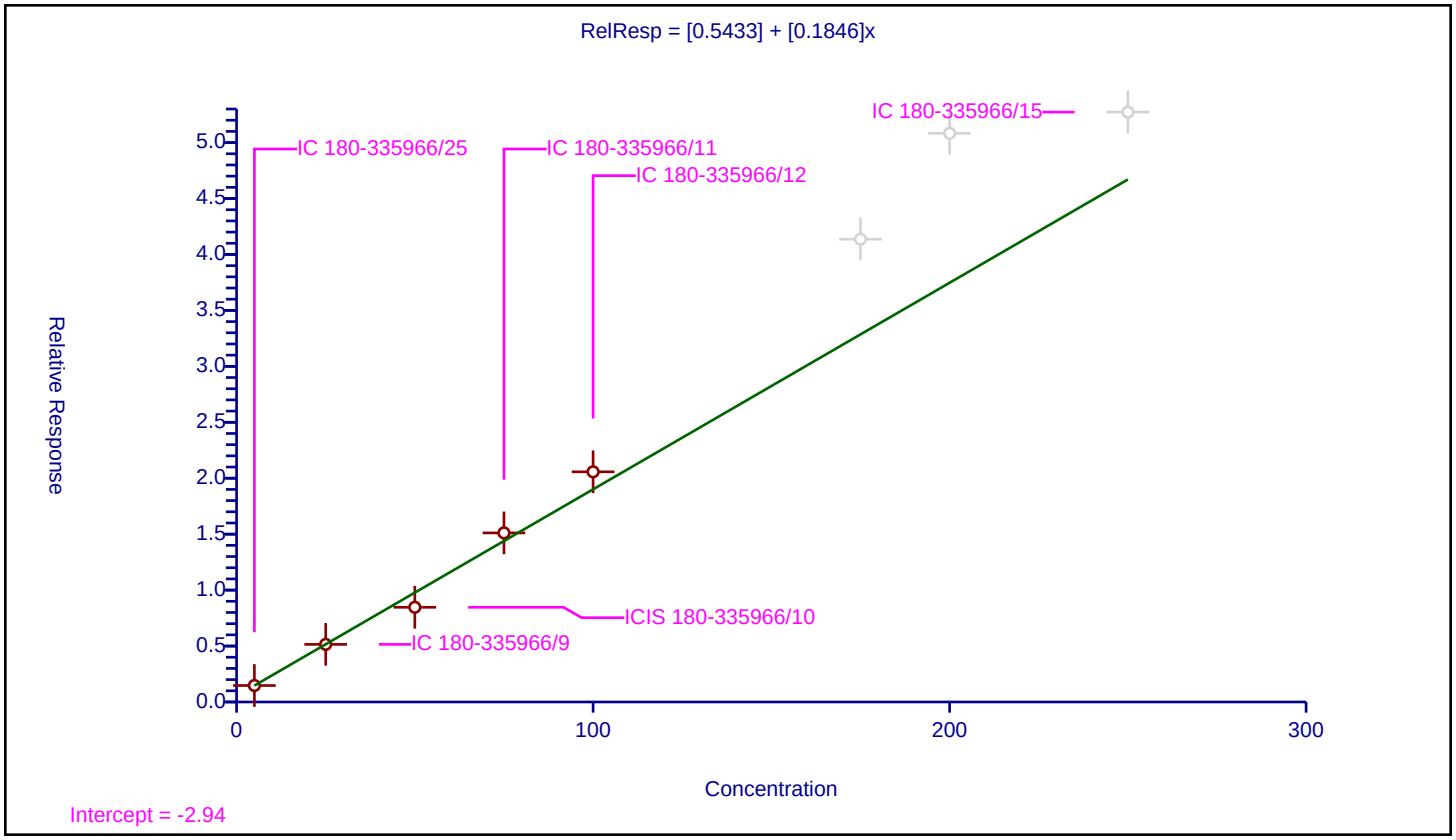
Curve Coefficients

Intercept:	0.5433
Slope:	0.1846

Error Coefficients

Standard Error:	56700
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.472802	50.0	91017.0	0.29456	Y
2	IC 180-335966/9	25.0	5.15022	50.0	164692.0	0.206009	Y
3	ICIS 180-335966/10	50.0	8.464232	50.0	191051.0	0.169285	Y
4	IC 180-335966/11	75.0	15.111912	50.0	177595.0	0.201492	Y
5	IC 180-335966/12	100.0	20.573621	50.0	179317.0	0.205736	Y
6	IC 180-335966/13	175.0	41.365519	50.0	161023.0	0.236374	N
7	IC 180-335966/14	200.0	50.827074	50.0	177614.0	0.254135	N
8	IC 180-335966/15	250.0	52.727004	50.0	182728.0	0.210908	N



Calibration / Naphthalene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

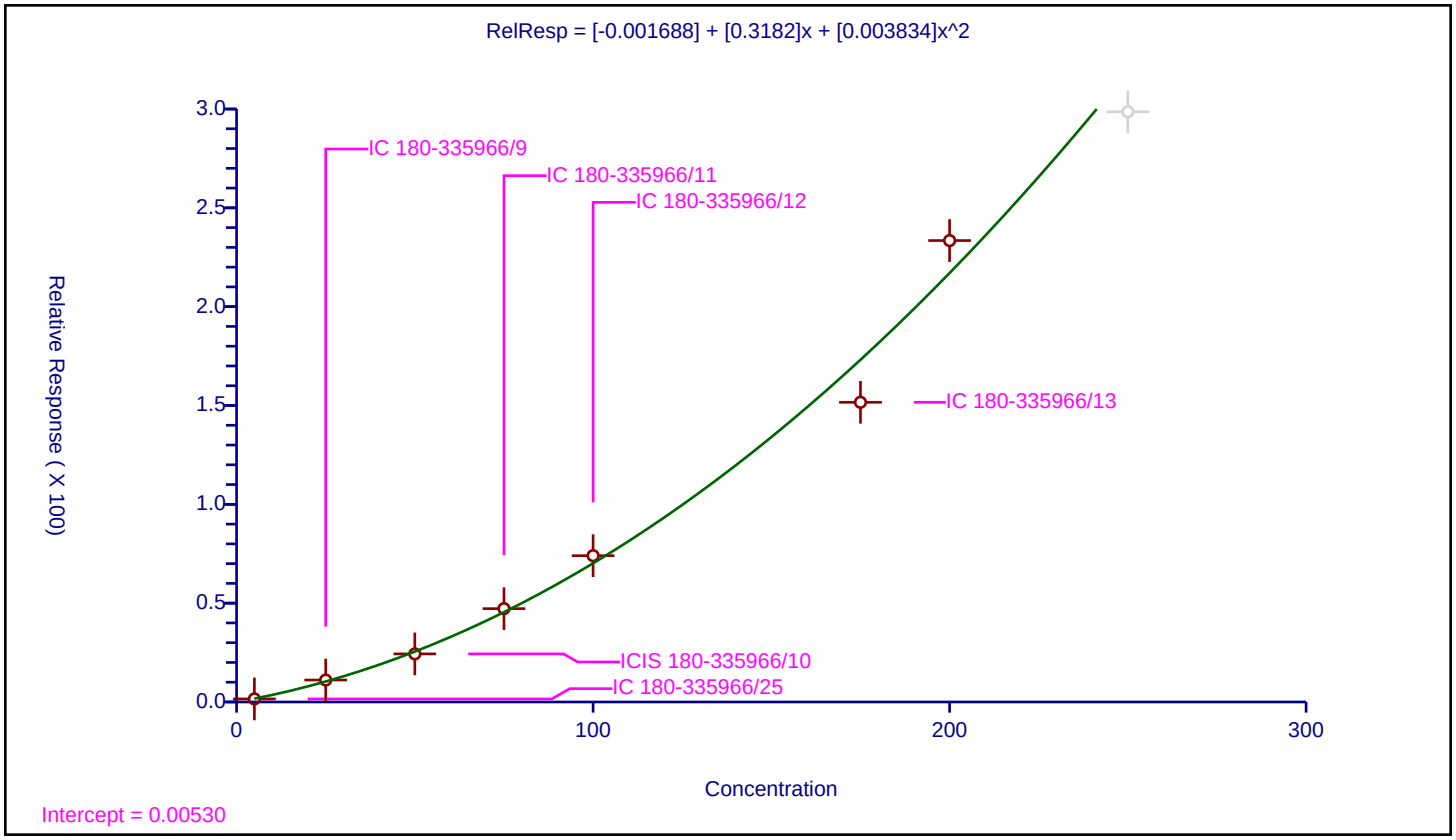
Curve Coefficients

Intercept:	-0.001688
Slope:	0.3182
Second Order:	0.003834

Error Coefficients

Standard Error:	508000
Relative Standard Error:	7.2
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	1.543668	50.0	91017.0	0.308734	Y
2	IC 180-335966/9	25.0	11.105579	50.0	164692.0	0.444223	Y
3	ICIS 180-335966/10	50.0	24.324918	50.0	191051.0	0.486498	Y
4	IC 180-335966/11	75.0	47.222895	50.0	177595.0	0.629639	Y
5	IC 180-335966/12	100.0	74.023656	50.0	179317.0	0.740237	Y
6	IC 180-335966/13	175.0	151.617781	50.0	161023.0	0.866387	Y
7	IC 180-335966/14	200.0	233.445843	50.0	177614.0	1.167229	Y
8	IC 180-335966/15	250.0	298.615428	50.0	182728.0	1.194462	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

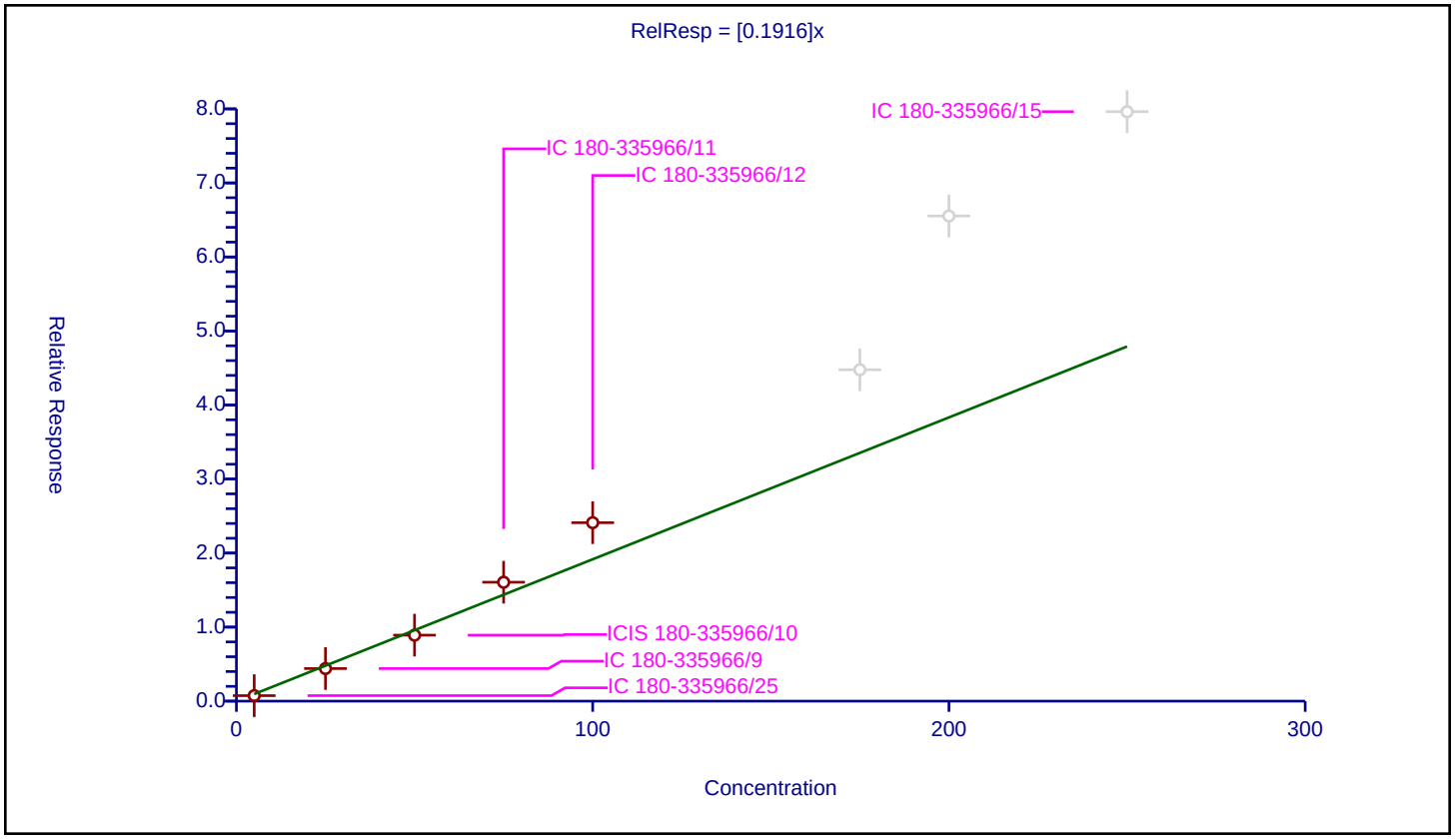
Curve Coefficients

Intercept:	0
Slope:	0.1916

Error Coefficients

Standard Error:	55000
Relative Standard Error:	18.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335966/25	5.0	0.743268	50.0	91017.0	0.148654	Y
2	IC 180-335966/9	25.0	4.400032	50.0	164692.0	0.176001	Y
3	ICIS 180-335966/10	50.0	8.911757	50.0	191051.0	0.178235	Y
4	IC 180-335966/11	75.0	16.061263	50.0	177595.0	0.21415	Y
5	IC 180-335966/12	100.0	24.107028	50.0	179317.0	0.24107	Y
6	IC 180-335966/13	175.0	44.767207	50.0	161023.0	0.255813	N
7	IC 180-335966/14	200.0	65.530307	50.0	177614.0	0.327652	N
8	IC 180-335966/15	250.0	79.625181	50.0	182728.0	0.318501	N



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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3784 0.3817	0.3771 0.3655	0.3208 0.2955	0.3374	0.3151	Ave		0.3464				9.7		35.0			
Chloromethane	0.4516 0.4315	0.4262 0.4343	0.3774 0.3795	0.3896	0.3778	Ave		0.4085			0.1000	7.4		35.0			
Vinyl chloride	0.3594 0.3799	0.3359 0.3720	0.3174 0.3082	0.3387	0.3140	Ave		0.3407				8.0		35.0			
Butadiene	0.5589 0.4298	0.4294 0.4221	0.3774 +++++	0.3811	0.3723	Lin2	0.8363	0.3893							0.9950		0.9900
Bromomethane	0.2477 0.1974	0.2169 0.1972	0.1885 0.1759	0.1857	0.1752	Lin	0.4584	0.1839							0.9910		0.9900
Chloroethane	0.2758 0.2425	0.2395 0.2422	0.2226 0.2073	0.2205	0.2052	Ave		0.2319				10.0		35.0			
Dichlorofluoromethane	0.6089 0.5781	0.5591 0.5567	0.4870 0.5079	0.5318	0.4966	Ave		0.5408				7.9		35.0			
Trichlorofluoromethane	0.5107 0.5169	0.4897 0.4995	0.4280 0.4094	0.4634	0.4282	Ave		0.4682				9.0		35.0			
Ethyl ether	0.2473 0.2629	0.2309 0.2783	0.2132 0.2872	0.2179	0.2266	Ave		0.2455				11.4		35.0			
1,1-Dichloroethene	0.2387 0.2440	0.2177 0.2429	0.2088 0.2003	0.2173	0.2008	Ave		0.2213				8.3		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3141 0.2744	0.2601 0.2673	0.2427 0.2192	0.2486	0.2308	Ave		0.2572				11.5		35.0			
Acetone	0.0762 0.1180	0.1074 0.1198	0.1000 +++++	0.1057	0.1117	Ave		0.1055				13.9		35.0			
Iodomethane	0.3313 0.3478	0.3331 0.3562	0.3016 0.3351	0.3082	0.2990	Ave		0.3266				6.5		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7411 0.7352	0.6658 0.7343	0.6051 0.6192	0.6493	0.6122	Ave		0.6703				8.7		35.0			
Methyl acetate	0.2229 0.2423	0.2113 0.2515	0.1893 0.2597	0.1965	0.2062	Ave		0.2225				11.8		35.0			
3-Chloro-1-propene	0.1437 0.1596	0.1285 0.1626	0.1177 0.1443	0.1319	0.1290	Ave		0.1397				11.3		35.0			
Methylene Chloride	0.6084 0.2898	0.3402 0.3073	0.2749 0.2946	0.2745	0.2748	Lin1	1.3680	0.2821							0.9950		0.9900
2-Methyl-2-propanol	1.0137 1.1460	1.1205 1.2812	1.0965 1.4105	1.1754	1.1138	Ave		1.1697				10.5		35.0			
Acrylonitrile	0.1162 0.1329	0.1076 0.1376	0.0993 0.1445	0.1037	0.1133	Ave		0.1194				14.1		35.0			
Methyl tert-butyl ether	0.5665 +++++	0.6006 +++++	0.5842 +++++	0.6176	0.6546	Ave		0.6047				5.6		35.0			
trans-1,2-Dichloroethene	0.3501 0.2977	0.2688 0.3026	0.2541 +++++	0.2672	0.2553	Ave		0.2851				12.1		35.0			
Hexane	0.3910 0.5096	0.4145 0.5009	0.4101 0.4073	0.4399	0.4145	Ave		0.4360				10.3		35.0			
1,1-Dichloroethane	0.5967 0.5741	0.5382 0.5874	0.4872 0.5425	0.5068	0.4872	Ave		0.5400			0.1000	8.1		35.0			
2-Butanone (MEK)	0.0701 0.1583	0.1362 0.1574	0.1293 0.1612	0.1388	0.1429	Lin	-3.041	0.1658							0.9990		0.9900
cis-1,2-Dichloroethene	0.3557 0.3185	0.2886 0.3276	0.2713 0.3118	0.2741	0.2733	Ave		0.3026				10.2		35.0			
2,2-Dichloropropane	0.1001 0.0726	0.0669 0.0731	0.0629 0.0660	0.0682	0.0618	Ave		0.0714				17.2		35.0			
Chlorobromomethane	0.1764 0.1347	0.1287 0.1427	0.1200 0.1401	0.1158	0.1181	Ave		0.1346				14.6		35.0			
Tetrahydrofuran	0.0727 +++++	0.0736 +++++	0.0654 +++++	0.0759	0.0785	Ave		0.0732				6.7		35.0			
Chloroform	0.5768 0.5153	0.5030 0.5303	0.4455 0.5023	0.4524	0.4539	Ave		0.4974				9.1		35.0			
1,1,1-Trichloroethane	0.4650 0.4668	0.4187 0.4683	0.3893 0.3988	0.4034	0.3823	Ave		0.4241				8.7		35.0			
Cyclohexane	0.4199 +++++	0.5358 +++++	0.5276 +++++	0.5808	0.5471	Ave		0.5222				11.6		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.3117 0.4345	0.3710 0.4294	0.3487 0.3635	0.3782	0.3542	Ave		0.3739				11.0		35.0			
Carbon tetrachloride	0.3614 0.3800	0.3345 0.3787	0.3085 0.3224	0.3260	0.3182	Ave		0.3412				8.3		35.0			
Isobutyl alcohol	0.0063 0.0106	0.0083 0.0104	0.0082 0.0112	0.0085	0.0090	Ave		0.0091				17.6		35.0			
Benzene	1.1063 1.2600	1.1496 1.2909	1.0712 1.1937	1.1134	1.0864	Ave		1.1589				7.0		35.0			
1,2-Dichloroethane	0.4490 0.4537	0.4117 0.4792	0.3798 0.4731	0.3883	0.4013	Ave		0.4295				9.1		35.0			
n-Heptane	0.2411 +++++	0.3131 +++++	0.3121 +++++	0.3445	0.3289	Ave		0.3080				12.9		35.0			
Trichloroethene	0.2971 0.3062	0.2615 0.3101	0.2449 0.2765	0.2587	0.2566	Ave		0.2764				9.0		35.0			
Methylcyclohexane	0.3403 +++++	0.3879 +++++	0.4085 +++++	0.4530	0.4301	Lin1	-0.613	0.4387							0.9980		0.9900
1,2-Dichloropropane	0.3159 0.3286	0.2928 0.3402	0.2805 0.3288	0.2912	0.2853	Ave		0.3079				7.5		35.0			
1,4-Dioxane	0.0016 +++++	0.0026 +++++	0.0022 +++++	0.0027	0.0026	Lin	-0.169	0.0027							0.9910		0.9900
Dibromomethane	0.1632 0.1545	0.1404 0.1616	0.1227 0.1663	0.1306	0.1370	Ave		0.1471				11.2		35.0			
Dichlorobromomethane	0.3080 0.3463	0.2998 0.3723	0.2806 0.3679	0.2937	0.3044	Ave		0.3216				11.0		35.0			
cis-1,3-Dichloropropene	0.2809 +++++	0.3127 +++++	0.3032 +++++	0.3349	0.3472	Ave		0.3158				8.3		35.0			
4-Methyl-2-pentanone (MIBK)	0.3018 1.3928	0.9902 1.4403	1.0057 1.4520	1.1740	1.2797	Lin2	-28.33	1.4448							0.9940		0.9900
Toluene	4.5220 6.3200	5.4042 6.2658	5.2341 5.6386	5.9614	5.5302	Ave		5.6096				10.5		35.0			
Ethyl methacrylate	0.6549 1.5276	0.8992 1.5985	0.9595 +++++	1.1413	1.1962	Qua	-1.552	0.8439	0.0038611						1.0000		0.9900
trans-1,3-Dichloropropene	1.2680 1.8018	1.3461 +++++	1.3499 +++++	1.5540	1.5855	Ave		1.4842				13.5		35.0			
1,1,2-Trichloroethane	1.1542 1.1099	1.0740 1.1416	0.9817 1.1462	1.0507	1.0240	Ave		1.0853				5.8		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

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								
Tetrachloroethene	1.0582 1.1719	1.1097 1.1103	1.0269 0.9497	1.1186	1.0020	Ave		1.0684				6.8		35.0			
2-Hexanone	0.1974 0.9151	0.6330 0.9481	0.6560 0.9555	0.7828	0.8619	Lin2	-18.94	0.9544							0.9950		0.9900
1,3-Dichloropropane	1.7398 2.1614	1.9078 2.2078	1.7978 2.2006	1.9639	1.9890	Ave		1.9960				9.0		35.0			
Chlorodibromomethane	0.9690 0.9937	0.8335 1.0408	0.7824 1.0536	0.8498	0.8645	Ave		0.9234				11.2		35.0			
Ethylene Dibromide	1.0821 1.0371	0.8999 1.0848	0.8335 1.1005	0.9440	0.9236	Ave		0.9882				10.2		35.0			
Chlorobenzene	3.0768 3.6083	3.3199 3.6779	3.0822 3.4786	3.3594	3.2699	Ave		3.3591			0.3000	6.6		35.0			
Ethylbenzene	1.2623 +++++	1.6548 +++++	1.7182 +++++	1.9678	1.9069	Lin1	-4.006	1.9290							0.9970		0.9900
1,1,1,2-Tetrachloroethane	1.1042 1.1591	1.0406 1.1885	0.9882 1.1380	1.0490	1.0390	Ave		1.0883				6.4		35.0			
m-Xylene & p-Xylene	1.5196 2.6428	2.0686 2.6816	2.1012 2.4285	2.4267	2.3118	Lin1	-7.408	2.5486							0.9950		0.9900
o-Xylene	1.3440 +++++	1.8513 +++++	1.8937 +++++	2.2106	2.1869	Lin	-9.246	2.2682							0.9950		0.9900
Styrene	1.7359 3.8471	2.6274 3.9924	2.9210 3.8042	3.3776	3.3382	Lin1	-16.52	3.8210							0.9940		0.9900
Bromoform	0.4490 0.4836	0.3947 +++++	0.3659 +++++	0.4167	0.4291	Ave		0.4232			0.1000	9.7		35.0			
Isopropylbenzene	3.1624 6.7009	4.8909 6.7433	5.0915 5.9526	5.9782	5.6968	Lin2	-15.52	6.1052							0.9910		0.9900
1,1,2,2-Tetrachloroethane	1.1179 1.2429	1.1301 1.2774	1.0361 1.2783	1.1474	1.1232	Ave		1.1692			0.3000	7.5		35.0			
trans-1,4-Dichloro-2-butene	0.1858 +++++	0.1964 +++++	0.1866 +++++	0.2199	0.2231	Lin1	-0.251	0.2165							0.9940		0.9900
1,2,3-Trichloropropane	0.3607 0.3535	0.3130 0.3477	0.2707 0.3516	0.2883	0.2909	Ave		0.3221				11.0		35.0			
Bromobenzene	0.8263 0.9866	0.8833 1.0224	0.8022 0.9798	0.8845	0.8387	Ave		0.9030				9.2		35.0			
N-Propylbenzene	0.5274 +++++	0.9275 +++++	0.9722 +++++	1.0946	1.0057	Lin2	-2.665	1.0565							0.9980		0.9900

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.7214 1.0081	0.8449 1.0161	0.8244 0.9179	0.8819	0.8384	Ave		0.8817				11.1		35.0			
1,3,5-Trimethylbenzene	1.7493 3.7095	2.7697 3.7534	2.8670 3.3608	3.2587	3.0426	Lin2	-8.574	3.3833							0.9920		0.9900
4-Chlorotoluene	0.6981 1.0377	0.8911 1.0498	0.8467 0.9556	0.8993	0.8523	Ave		0.9038				12.6		35.0			
tert-Butylbenzene	1.6104 +++++	2.4442 +++++	2.5351 +++++	2.8561	2.7116	Lin2	-5.841	2.7625							0.9980		0.9900
1,2,4-Trimethylbenzene	1.6725 3.6374	2.5933 3.7290	2.8505 3.3998	3.1256	3.0266	Lin2	-8.808	3.3325							0.9900		0.9900
sec-Butylbenzene	2.0207 +++++	2.9908 +++++	3.2007 +++++	3.5807	3.3735	Lin2	-7.252	3.4442							0.9980		0.9900
4-Isopropyltoluene	1.5384 3.3810	2.2364 3.3673	2.4988 2.9686	2.8007	2.6553	Lin1	-12.60	3.1502							0.9900		0.9900
1,3-Dichlorobenzene	1.6367 1.7664	1.6166 1.8002	1.5231 1.6797	1.6249	1.4947	Ave		1.6428				6.5		35.0			
1,4-Dichlorobenzene	1.7449 1.7842	1.6666 1.8305	1.4985 1.7260	1.5973	1.4907	Ave		1.6673				7.7		35.0			
n-Butylbenzene	1.2723 +++++	1.7320 +++++	1.8072 +++++	2.1267	2.0241	Lin1	-4.747	2.0615							0.9960		0.9900
1,2-Dichlorobenzene	1.2492 1.5876	1.4055 1.6233	1.3446 1.5560	1.4026	1.3390	Ave		1.4385				9.4		35.0			
1,2-Dibromo-3-Chloropropane	0.0855 0.1012	0.0877 0.1101	0.0712 +++++	0.0868	0.0921	Ave		0.0906				13.7		35.0			
1,2,4-Trichlorobenzene	0.3838 0.4184	0.2596 0.4910	0.2955 +++++	0.3458	0.3699	Ave		0.3663				21.0		35.0			
Hexachlorobutadiene	0.2946 +++++	0.2060 +++++	0.1693 +++++	0.2015	0.2057	Lin2	0.5433	0.1846							0.9900		0.9900
Naphthalene	0.3087 +++++	0.4442 +++++	0.4865 +++++	0.6296	0.7402	Ave		0.5219				32.1		35.0			
1,2,3-Trichlorobenzene	0.1487 +++++	0.1760 +++++	0.1782 +++++	0.2142	0.2411	Ave		0.1916				18.9		35.0			
Dibromofluoromethane (Surr)	+++++ 0.2150	0.2002 0.2142	0.1963 0.2246	0.2133	0.2188	Ave		0.2118				4.7		35.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3235	0.3134 0.3476	0.3117 0.3351	0.3391	0.3349	Ave		0.3293				4.1		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

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								
Toluene-d8 (Surr)	+++++ 4.5918	4.0205 +++++	4.2011 +++++	4.9063	4.6867	Ave		4.4813				8.1		35.0			
4-Bromofluorobenzene (Surr)	+++++ 1.5412	1.3171 1.5155	1.3470 1.5649	1.5401	1.5866	Ave		1.4875				7.3		35.0			

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

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	15100 745184	114668 872601	211611 883329	320843	380353	5.00 175	25.0 200	50.0 250	75.0	100
Chloromethane	FB	Ave	18021 842498	129580 1036786	248965 1134366	370456	455985	5.00 175	25.0 200	50.0 250	75.0	100
Vinyl chloride	FB	Ave	14342 741670	102139 888095	209380 921287	322115	378968	5.00 175	25.0 200	50.0 250	75.0	100
Butadiene	FB	Lin2	22306 839154	130544 1007668	248954 +++++	362414	449318	5.00 175	25.0 200	50.0 +++++	75.0	100
Bromomethane	FB	Lin	9885 385310	65937 470832	124315 525833	176620	211505	5.00 175	25.0 200	50.0 250	75.0	100
Chloroethane	FB	Ave	11007 473377	72826 578080	146861 619755	209637	247684	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorofluoromethane	FB	Ave	24299 1128742	169984 1329027	321208 1518170	505716	599410	5.00 175	25.0 200	50.0 250	75.0	100
Trichlorofluoromethane	FB	Ave	20380 1009276	148883 1192370	282317 1223795	440636	516831	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl ether	FB	Ave	9870 513339	70198 664453	140605 858517	207230	273468	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethene	FB	Ave	9528 476297	66191 579907	137717 598741	206606	242319	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	12537 535828	79091 638062	160060 655389	236412	278619	5.00 175	25.0 200	50.0 250	75.0	100
Acetone	FB	Ave	15200 460912	65322 571930	131973 +++++	200998	269581	25.0 350	50.0 400	100 +++++	150	200
Iodomethane	FB	Ave	13221	101289	198968	293049	360930	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			679025	850385	1001720			175	200	250		
Carbon disulfide	FB	Ave	29575 1435357	202428 1752803	399135 1850851	617437	738892	5.00 175	25.0 200	50.0 250	75.0	100
Methyl acetate	FB	Ave	17788 946033	128474 1200806	249701 1552385	373766	497821	10.0 350	50.0 400	100 500	150	200
3-Chloro-1-propene	FB	Ave	5735 311579	39071 388186	77619 431280	125459	155658	5.00 175	25.0 200	50.0 250	75.0	100
Methylene Chloride	FB	Lin1	24279 565880	103446 733511	181307 880652	261013	331688	5.00 175	25.0 200	50.0 250	75.0	100
2-Methyl-2-propanol	TBAd9	Ave	7780 475429	58270 647659	118829 840352	191081	251818	50.0 1750	250 2000	500 2500	750	1000
Acrylonitrile	FB	Ave	46376 2593990	327197 3285828	654687 4319686	986461	1366935	50.0 1750	250 2000	500 2500	750	1000
Methyl tert-butyl ether	FB	Ave	22607 +++++	182603 +++++	385370 +++++	587228	790136	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
trans-1,2-Dichloroethene	FB	Ave	13973 581182	81719 722420	167597 +++++	254097	308160	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexane	FB	Ave	15606 994929	126043 1195781	270509 1217455	418312	500285	5.00 175	25.0 200	50.0 250	75.0	100
1,1-Dichloroethane	FB	Ave	23812 1120797	163631 1402144	321385 1621674	481915	588048	5.00 175	25.0 200	50.0 250	75.0	100
2-Butanone (MEK)	FB	Lin	13993 618125	82848 751617	170571 963829	263964	345063	25.0 350	50.0 400	100 500	150	200
cis-1,2-Dichloroethene	FB	Ave	14197 621793	87746 781917	178932 932012	260676	329821	5.00 175	25.0 200	50.0 250	75.0	100
2,2-Dichloropropane	FB	Ave	3995 141690	20339 174589	41473 197160	64829	74624	5.00 175	25.0 200	50.0 250	75.0	100
Chlorobromomethane	FB	Ave	7039 262957	39132 340592	79182 418685	110149	142503	5.00 175	25.0 200	50.0 250	75.0	100
Tetrahydrofuran	FB	Ave	5800 +++++	44726 +++++	86225 +++++	144297	189452	10.0 +++++	50.0 +++++	100 +++++	150	200
Chloroform	FB	Ave	23020 1006069	152940 1265843	293828 1501363	430197	547876	5.00 175	25.0 200	50.0 250	75.0	100
1,1,1-Trichloroethane	FB	Ave	18558 911477	127299 1117814	256757 1192137	383543	461491	5.00 175	25.0 200	50.0 250	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
Cyclohexane	FB	Ave	16756 +++++	162905 +++++	348015 +++++	552246	660324	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,1-Dichloropropene	FB	Ave	12438 848242	112793 1024928	229994 1086528	359640	427465	5.00 175	25.0 200	50.0 250	75.0	100
Carbon tetrachloride	FB	Ave	14422 741993	101701 904067	203487 963658	309994	384021	5.00 175	25.0 200	50.0 250	75.0	100
Isobutyl alcohol	FB	Ave	6302 516882	62896 619287	135216 836215	203253	272246	125 4375	625 5000	1250 6250	1875	2500
Benzene	FB	Ave	44151 2460058	349539 3081445	706559 3568216	1058727	1311296	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane	FB	Ave	17919 885871	125186 1143818	250519 1414230	369204	484339	5.00 175	25.0 200	50.0 250	75.0	100
n-Heptane	FB	Ave	9622 +++++	95199 +++++	205898 +++++	327628	396995	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Trichloroethene	FB	Ave	11858 597793	79520 740156	161565 826397	245968	309674	5.00 175	25.0 200	50.0 250	75.0	100
Methylcyclohexane	FB	Lin1	13582 +++++	117937 +++++	269442 +++++	430749	519081	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichloropropane	FB	Ave	12607 641556	89018 812076	185021 982978	276915	344371	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dioxane	FB	Lin	1282 +++++	15731 +++++	28629 +++++	50467	63524	100 +++++	500 +++++	1000 +++++	1500	2000
Dibromomethane	FB	Ave	6515 301698	42697 385788	80957 497257	124213	165406	5.00 175	25.0 200	50.0 250	75.0	100
Dichlorobromomethane	FB	Ave	12293 676108	91154 888638	185098 1099771	279238	367432	5.00 175	25.0 200	50.0 250	75.0	100
cis-1,3-Dichloropropene	FB	Ave	11209 +++++	95065 +++++	199982 +++++	318495	419042	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Lin2	11808 1169372	121912 1523082	275582 1964437	437185	632990	25.0 350	50.0 400	100 500	150	200
Toluene	CBNZ d5	Ave	35382 2653112	332676 3312951	717146 3814402	1110024	1367785	5.00 175	25.0 200	50.0 250	75.0	100
Ethyl methacrylate	CBNZ d5	Qua	5124	55352	131471	212514	295851	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			641291	845208	+++++			175	200	+++++		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9921	82864	184951	289357	392133	5.00	25.0	50.0	75.0	100
			756371	+++++	+++++			175	+++++	+++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	9031	66115	134502	195646	253265	5.00	25.0	50.0	75.0	100
			465914	603597	775365			175	200	250		
Tetrachloroethene	CBNZ d5	Ave	8280	68314	140697	208287	247815	5.00	25.0	50.0	75.0	100
			491949	587064	642453			175	200	250		
2-Hexanone	CBNZ d5	Lin2	7721	77932	179769	291515	426355	25.0	50.0	100	150	200
			768293	1002573	1292763			350	400	500		
1,3-Dichloropropane	CBNZ d5	Ave	13613	117445	246320	365690	491938	5.00	25.0	50.0	75.0	100
			907330	1167354	1488680			175	200	250		
Chlorodibromomethane	CBNZ d5	Ave	7582	51311	107194	158226	213808	5.00	25.0	50.0	75.0	100
			417139	550292	712707			175	200	250		
Ethylene Dibromide	CBNZ d5	Ave	8467	55399	114200	175768	228424	5.00	25.0	50.0	75.0	100
			435350	573575	744456			175	200	250		
Chlorobenzene	CBNZ d5	Ave	24074	204372	422306	625528	808748	5.00	25.0	50.0	75.0	100
			1514759	1944620	2353188			175	200	250		
Ethylbenzene	CBNZ d5	Lin1	9877	101870	235411	366401	471639	5.00	25.0	50.0	75.0	100
			+++++	+++++	+++++			+++++	+++++	+++++		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	8640	64060	135396	195319	256974	5.00	25.0	50.0	75.0	100
			486580	628411	769833			175	200	250		
m-Xylene & p-Xylene	CBNZ d5	Lin1	11890	127340	287895	451860	571765	5.00	25.0	50.0	75.0	100
			1109435	1417879	1642810			175	200	250		
o-Xylene	CBNZ d5	Lin	10516	113965	259461	411614	540887	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Styrene	CBNZ d5	Lin1	13582 1614997	161739 2110939	400221 2573458	628910	825621	5.00 175	25.0 200	50.0 250	75.0	100
Bromoform	CBNZ d5	Ave	3513 203002	24298 +++++	50138 +++++	77584	106125	5.00 175	25.0 +++++	50.0 +++++	75.0	100
Isopropylbenzene	CBNZ d5	Lin2	24744 2813005	301078 3565423	697612 4026784	1113157	1408969	5.00 175	25.0 200	50.0 250	75.0	100
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	8747 521753	69569 675427	141959 864759	213640	277793	5.00 175	25.0 200	50.0 250	75.0	100
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	1691 +++++	16173 +++++	35641 +++++	58585	79996	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichloropropane	DCBd 4	Ave	3283 199230	25775 247013	51720 321244	76804	104336	5.00 175	25.0 200	50.0 250	75.0	100
Bromobenzene	DCBd 4	Ave	7521 556036	72739 726350	153267 895171	235613	300790	5.00 175	25.0 200	50.0 250	75.0	100
N-Propylbenzene	DCBd 4	Lin2	4800 +++++	76375 +++++	185732 +++++	291584	360684	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
2-Chlorotoluene	DCBd 4	Ave	6566 568129	69577 721911	157509 838635	234928	300694	5.00 175	25.0 200	50.0 250	75.0	100
1,3,5-Trimethylbenzene	DCBd 4	Lin2	15922 2090582	228077 2666591	547749 3070571	868101	1091183	5.00 175	25.0 200	50.0 250	75.0	100
4-Chlorotoluene	DCBd 4	Ave	6354 584830	73375 745803	161761 873110	239558	305646	5.00 175	25.0 200	50.0 250	75.0	100
tert-Butylbenzene	DCBd 4	Lin2	14657	201268	484325	760834	972480	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
1,2,4-Trimethylbenzene	DCBd 4	Lin2	15223 2049989	213549 2649257	544585 3106150	832643	1085440	5.00 175	25.0 200	50.0 250	75.0	100
sec-Butylbenzene	DCBd 4	Lin2	18392 +++++	246277 +++++	611500 +++++	953872	1209838	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
4-Isopropyltoluene	DCBd 4	Lin1	14002 1905453	184162 2392283	477404 2712218	746098	952271	5.00 175	25.0 200	50.0 250	75.0	100
1,3-Dichlorobenzene	DCBd 4	Ave	14897 995523	133121 1278992	290984 1534633	432864	536034	5.00 175	25.0 200	50.0 250	75.0	100
1,4-Dichlorobenzene	DCBd 4	Ave	15882 1005518	137239 1300467	286286 1576970	425521	534620	5.00 175	25.0 200	50.0 250	75.0	100
n-Butylbenzene	DCBd 4	Lin1	11580 +++++	142620 +++++	345263 +++++	566543	725923	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2-Dichlorobenzene	DCBd 4	Ave	11370 894741	115741 1153305	256894 1421657	373634	480221	5.00 175	25.0 200	50.0 250	75.0	100
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	778 57027	7222 78220	13602 +++++	23117	33014	5.00 175	25.0 200	50.0 +++++	75.0	100
1,2,4-Trichlorobenzene	DCBd 4	Ave	3493 235785	21377 348851	56447 +++++	92114	132642	5.00 175	25.0 200	50.0 +++++	75.0	100
Hexachlorobutadiene	DCBd 4	Lin2	2681 +++++	16964 +++++	32342 +++++	53676	73784	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
Naphthalene	DCBd 4	Ave	2810 +++++	36580 +++++	92946 +++++	167731	265474	5.00 +++++	25.0 +++++	50.0 +++++	75.0	100
1,2,3-Trichlorobenzene	DCBd 4	Ave	1353	14493	34052	57048	86456	5.00	25.0	50.0	75.0	100

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

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			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
			+++++	+++++	+++++			+++++	+++++	+++++		
Dibromofluoromethane (Surr)	FB	Ave	+++++ 419791	60872 511421	129483 671299	202846	264067	+++++ 175	25.0 200	50.0 250	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 631604	95285 829657	205588 1001784	322447	404191	+++++ 175	25.0 200	50.0 250	75.0	100
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 1927595	247496 +++++	575603 +++++	913565	1159160	+++++ 175	25.0 +++++	50.0 +++++	75.0	100
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 647000	81079 801286	184556 1058585	286771	392420	+++++ 175	25.0 200	50.0 250	75.0	100

Curve Type Legend

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-335968/25	6110525.D
Level 2	IC 180-335968/9	6110509.D
Level 3	ICIS 180-335968/10	6110510.D
Level 4	IC 180-335968/11	6110511.D
Level 5	IC 180-335968/12	6110512.D
Level 6	IC 180-335968/13	6110513.D
Level 7	IC 180-335968/14	6110514.D
Level 8	IC 180-335968/15	6110515.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	9.2 5.5	8.9 -14.7	-7.4	-2.6	-9.0	10.2	50 30	30 30	30	30	30	30
Chloromethane	10.5 6.3	4.3 -7.1	-7.6	-4.6	-7.5	5.6	50 30	30 30	30	30	30	30
Vinyl chloride	5.5 9.2	-1.4 -9.5	-6.8	-0.6	-7.8	11.5	50 30	30 30	30	30	30	30
Butadiene	0.6 7.4	1.7 +++++	-7.3	-5.0	-6.5	9.2	50 30	30	30	30	30	30
Bromomethane	-15.2 6.0	8.0 -5.3	-2.5	-2.3	-7.2	5.9	50 30	30 30	30	30	30	30
Chloroethane	18.9 4.4	3.3 -10.6	-4.0	-5.0	-11.5	4.5	50 30	30 30	30	30	30	30
Dichlorofluoromethane	12.6 3.0	3.4 -6.1	-9.9	-1.7	-8.2	6.9	50 30	30 30	30	30	30	30
Trichlorofluoromethane	9.1 6.7	4.6 -12.6	-8.6	-1.0	-8.5	10.4	50 30	30 30	30	30	30	30
Ethyl ether	0.7 13.4	-6.0 17.0	-13.2	-11.2	-7.7	7.1	50 30	30 30	30	30	30	30
1,1-Dichloroethene	7.9 9.8	-1.6 -9.5	-5.7	-1.8	-9.3	10.2	50 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroeth ane	22.2 3.9	1.1 -14.7	-5.6	-3.3	-10.2	6.7	50 30	30 30	30	30	30	30
Acetone	-27.8 13.5	1.8 +++++	-5.2	0.1	5.8	11.8	50 30	30	30	30	30	30
Iodomethane	1.4 9.1	2.0 2.6	-7.6	-5.6	-8.4	6.5	50 30	30 30	30	30	30	30
Carbon disulfide	10.6 9.6	-0.7 -7.6	-9.7	-3.1	-8.7	9.7	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	0.2 13.1	-5.0 16.7	-14.9	-11.7	-7.3	8.9	50 30	30 30	30	30	30	30
3-Chloro-1-propene	2.9 16.4	-8.0 3.3	-15.7	-5.5	-7.7	14.3	50 30	30 30	30	30	30	30
Methylene Chloride	18.7 6.5	1.2 2.5	-12.3	-9.2	-7.4	0.0	50 30	30 30	30	30	30	30
2-Methyl-2-propanol	-13.3 9.5	-4.2 20.6	-6.3	0.5	-4.8	-2.0	50 30	30 30	30	30	30	30
Acrylonitrile	-2.7 15.3	-9.9 21.0	-16.9	-13.1	-5.1	11.3	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	-6.3 +++++	-0.7 +++++	-3.4	2.1	8.3	+++++	50	30	30	30	30	
trans-1,2-Dichloroethene	22.8 6.1	-5.7 +++++	-10.9	-6.3	-10.5	4.4	50 30	30	30	30	30	30
Hexane	-10.3 14.9	-4.9 -6.6	-5.9	0.9	-4.9	16.9	50 30	30 30	30	30	30	30
1,1-Dichloroethane	10.5 8.8	-0.3 0.5	-9.8	-6.1	-9.8	6.3	50 30	30 30	30	30	30	30
2-Butanone (MEK)	15.7 -0.4	18.9 0.9	-3.6	-4.0	-4.6	0.7	50 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	17.6 8.2	-4.6 3.0	-10.4	-9.4	-9.7	5.2	50 30	30 30	30	30	30	30
2,2-Dichloropropane	40.1 2.4	-6.4 -7.7	-12.0	-4.6	-13.5	1.6	50 30	30 30	30	30	30	30
Chlorobromomethane	31.1 6.0	-4.3 4.1	-10.8	-13.9	-12.3	0.1	50 30	30 30	30	30	30	30
Tetrahydrofuran	-0.7 +++++	0.5 +++++	-10.7	3.7	7.2	+++++	50	30	30	30	30	
Chloroform	16.0 6.6	1.1 1.0	-10.4	-9.0	-8.7	3.6	50 30	30 30	30	30	30	30
1,1,1-Trichloroethane	9.7 10.4	-1.3 -6.0	-8.2	-4.9	-9.8	10.1	50 30	30 30	30	30	30	30
Cyclohexane	-19.6 +++++	2.6 +++++	1.0	11.2	4.8	+++++	50	30	30	30	30	
1,1-Dichloropropene	-16.6 14.8	-0.8 -2.8	-6.7	1.2	-5.3	16.2	50 30	30 30	30	30	30	30
Carbon tetrachloride	5.9 11.0	-2.0 -5.5	-9.6	-4.5	-6.8	11.4	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-30.3 14.5	-8.7 23.4	-9.5	-5.7	-0.5	16.8	50 30	30 30	30	30	30	30
Benzene	-4.5 11.4	-0.8 3.0	-7.6	-3.9	-6.3	8.7	50 30	30 30	30	30	30	30
1,2-Dichloroethane	4.5 11.6	-4.1 10.2	-11.6	-9.6	-6.6	5.6	50 30	30 30	30	30	30	30
n-Heptane	-21.7 +++++	1.7 +++++	1.4	11.9	6.8	+++++	50	30	30	30	30	
Trichloroethene	7.5 12.2	-5.4 0.0	-11.4	-6.4	-7.2	10.8	50 30	30 30	30	30	30	30
Methylcyclohexane	5.5 +++++	-6.0 +++++	-4.1	5.1	-0.6	+++++	50	30	30	30	30	
1,2-Dichloropropane	2.6 10.5	-4.9 6.8	-8.9	-5.4	-7.3	6.7	50 30	30 30	30	30	30	30
1,4-Dioxane	22.4 +++++	8.8 +++++	-13.0	2.9	1.0	+++++	50	30	30	30	30	
Dibromomethane	11.0 9.9	-4.5 13.1	-16.5	-11.2	-6.8	5.1	50 30	30 30	30	30	30	30
Dichlorobromomethane	-4.2 15.7	-6.8 14.4	-12.8	-8.7	-5.3	7.7	50 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-11.1 +++++	-1.0 +++++	-4.0	6.1	9.9	+++++	50	30	30	30	30	
4-Methyl-2-pentanone (MIBK)	-0.7 4.6	7.8 4.4	-10.8	-5.7	-1.6	2.0	50 30	30 30	30	30	30	30
Toluene	-19.4 11.7	-3.7 0.5	-6.7	6.3	-1.4	12.7	50 30	30 30	30	30	30	30
Ethyl methacrylate	11.5 -0.4	2.0 +++++	-3.8	2.0	-1.1	0.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-14.6 +++++	-9.3 +++++	-9.1	4.7	6.8	21.4	50	30	30	30	30	30
1,1,2-Trichloroethane	6.4 5.2	-1.0 5.6	-9.5	-3.2	-5.6	2.3	50 30	30 30	30	30	30	30
Tetrachloroethene	-1.0 3.9	3.9 -11.1	-3.9	4.7	-6.2	9.7	50 30	30 30	30	30	30	30
2-Hexanone	0.0 4.3	6.0 4.1	-11.4	-4.8	0.2	1.5	50 30	30 30	30	30	30	30
1,3-Dichloropropane	-12.8 10.6	-4.4 10.3	-9.9	-1.6	-0.4	8.3	50 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodibromomethane	4.9 12.7	-9.7 14.1	-15.3	-8.0	-6.4	7.6	50 30	30 30	30	30	30	30
Ethylene Dibromide	9.5 9.8	-8.9 11.4	-15.7	-4.5	-6.5	4.9	50 30	30 30	30	30	30	30
Chlorobenzene	-8.4 9.5	-1.2 3.6	-8.2	0.0	-2.7	7.4	50 30	30 30	30	30	30	30
Ethylbenzene	7.0 +++++	-5.9 +++++	-6.8	4.8	0.9	+++++	50	30	30	30	30	
1,1,1,2-Tetrachloroethane	1.5 9.2	-4.4 4.6	-9.2	-3.6	-4.5	6.5	50 30	30 30	30	30	30	30
m-Xylene & p-Xylene	17.8 6.7	-7.2 -3.5	-11.7	-0.9	-6.4	5.4	50 30	30 30	30	30	30	30
o-Xylene	40.8 +++++	-2.1 +++++	-8.4	2.9	0.5	+++++	50	30	30	30	30	
Styrene	31.9 6.6	-13.9 1.3	-14.9	-5.8	-8.3	3.2	50 30	30 30	30	30	30	30
Bromoform	6.1 +++++	-6.7 +++++	-13.5	-1.5	1.4	14.3	50	30	30	30	30	30
Isopropylbenzene	2.6 11.7	-9.7 -1.5	-11.5	1.3	-4.1	11.2	50 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.4 9.3	-3.3 9.3	-11.4	-1.9	-3.9	6.3	50 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	8.9 +++++	-4.7 +++++	-11.5	3.1	4.2	+++++	50	30	30	30	30	
1,2,3-Trichloropropane	12.0 8.0	-2.8 9.2	-15.9	-10.5	-9.7	9.8	50 30	30 30	30	30	30	30
Bromobenzene	-8.5 13.2	-2.2 8.5	-11.2	-2.1	-7.1	9.3	50 30	30 30	30	30	30	30
N-Propylbenzene	0.4 +++++	-2.1 +++++	-2.9	7.0	-2.3	+++++	50	30	30	30	30	
2-Chlorotoluene	-18.2 15.3	-4.2 4.1	-6.5	0.0	-4.9	14.3	50 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	2.4 12.2	-8.0 0.3	-10.2	-0.3	-7.5	11.1	50 30	30 30	30	30	30	30
4-Chlorotoluene	-22.8 16.1	-1.4 5.7	-6.3	-0.5	-5.7	14.8	50 30	30 30	30	30	30	30
tert-Butylbenzene	0.6 +++++	-3.1 +++++	-4.0	6.2	0.3	+++++	50	30	30	30	30	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1 Analy Batch No.: 335968

SDG No.:

Instrument ID: CHHP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2020 10:26 Calibration End Date: 11/05/2020 18:41 Calibration ID: 44597

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	3.0 13.2	-11.6 3.1	-9.2	-2.7	-6.5	10.7	50 30	30 30	30	30	30	30
sec-Butylbenzene	0.8 +++++	-4.7 +++++	-2.9	6.8	0.1	+++++	50	30	30	30	30	
4-Isopropyltoluene	28.8 8.9	-13.0 -4.2	-12.7	-5.8	-11.7	9.6	50 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-0.4 9.6	-1.6 2.2	-7.3	-1.1	-9.0	7.5	50 30	30 30	30	30	30	30
1,4-Dichlorobenzene	4.7 9.8	0.0 3.5	-10.1	-4.2	-10.6	7.0	50 30	30 30	30	30	30	30
n-Butylbenzene	7.8 +++++	-6.8 +++++	-7.7	6.2	0.5	+++++	50	30	30	30	30	
1,2-Dichlorobenzene	-13.2 12.8	-2.3 8.2	-6.5	-2.5	-6.9	10.4	50 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-5.7 21.5	-3.2 +++++	-21.5	-4.3	1.6	11.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	4.8 34.1 *	-29.1 +++++	-19.3	-5.6	1.0	14.2	50 30	30	30	30	30	30
Hexachlorobutadiene	0.7 +++++	-0.2 +++++	-14.2	5.2	8.5	+++++	50	30	30	30	30	
Naphthalene	-40.8 +++++	-14.9 +++++	-6.8	20.7	41.8 *	+++++	50	30	30	30	30	
1,2,3-Trichlorobenzene	-22.4 +++++	-8.2 +++++	-7.0	11.8	25.8	+++++	50	30	30	30	30	
Dibromofluoromethane (Surr)	+++++ 1.2	-5.5 6.0	-7.3	0.7	3.3	1.5	30	50 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	+++++ 5.5	-4.8 1.8	-5.4	3.0	1.7	-1.8	30	50 30	30	30	30	30
Toluene-d8 (Surr)	+++++ +++++	-10.3 +++++	-6.3	9.5	4.6	2.5		50	30	30	30	30
4-Bromofluorobenzene (Surr)	+++++ 1.9	-11.5 5.2	-9.4	3.5	6.7	3.6	30	50 30	30	30	30	30

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2020 10:26:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-009
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:30:50 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	90	208021	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	98	608098	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	90	123118	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	97	164692	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	92	60872	25.0	23.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	97	95285	25.0	23.8	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	95	247496	25.0	22.4	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	81079	25.0	22.1	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	98	114668	25.0	27.2	
12 Chloromethane	50	3.857	3.857	0.000	99	129580	25.0	26.1	
13 Vinyl chloride	62	4.137	4.137	0.000	97	102139	25.0	24.7	
14 Butadiene	39	4.210	4.198	0.012	96	130544	25.0	25.4	
15 Bromomethane	94	4.848	4.837	0.011	88	65937	25.0	27.0	
16 Chloroethane	64	5.104	5.105	-0.001	99	72826	25.0	25.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	169984	25.0	25.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	99	148883	25.0	26.1	
20 Ethyl ether	59	6.120	6.120	0.000	95	70198	25.0	23.5	
22 1,1-Dichloroethene	96	6.509	6.504	0.005	93	66191	25.0	24.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.564	6.558	0.006	92	79091	25.0	25.3	
24 Acetone	43	6.594	6.595	-0.001	98	65322	50.0	50.9	
25 Iodomethane	142	6.753	6.741	0.012	99	101289	25.0	25.5	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	202428	25.0	24.8	
30 Methyl acetate	43	7.075	7.069	0.006	97	128474	50.0	47.5	
29 3-Chloro-1-propene	76	7.099	7.082	0.017	92	39071	25.0	23.0	
31 Methylene Chloride	84	7.282	7.276	0.006	88	103446	25.0	25.3	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	93	58270	250.0	239.5	
33 Acrylonitrile	53	7.616	7.617	-0.001	100	327197	250.0	225.3	
35 Methyl tert-butyl ether	73	7.647	7.641	0.006	96	182603	25.0	24.8	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	95	81719	25.0	23.6	
36 Hexane	57	8.012	8.012	0.000	94	126043	25.0	23.8	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	97	163631	25.0	24.9	
44 2-Butanone (MEK)	43	8.894	8.882	0.012	100	82848	50.0	59.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	87	87746	25.0	23.8	
42 2,2-Dichloropropane	97	8.930	8.925	0.005	74	20339	25.0	23.4	
48 Chlorobromomethane	128	9.192	9.180	0.012	94	39132	25.0	23.9	
49 Tetrahydrofuran	42	9.210	9.211	-0.001	44	44726	50.0	50.2	
50 Chloroform	83	9.277	9.284	-0.007	95	152940	25.0	25.3	
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	96	127299	25.0	24.7	
52 Cyclohexane	56	9.569	9.570	-0.001	94	162905	25.0	25.6	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	112793	25.0	24.8	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	92	101701	25.0	24.5	
55 Isobutyl alcohol	41	9.703	9.698	0.005	87	62896	625.0	570.5	
56 Benzene	78	9.879	9.880	-0.001	99	349539	25.0	24.8	
57 1,2-Dichloroethane	62	9.910	9.917	-0.007	96	125186	25.0	24.0	
59 n-Heptane	43	10.123	10.117	0.006	92	95199	25.0	25.4	
61 Trichloroethene	130	10.543	10.543	0.000	96	79520	25.0	23.7	
63 Methylcyclohexane	83	10.798	10.793	0.005	88	117937	25.0	23.5	
64 1,2-Dichloropropane	63	10.810	10.811	-0.001	74	89018	25.0	23.8	
65 1,4-Dioxane	88	10.865	10.859	0.006	88	15731	500.0	543.8	
67 Dibromomethane	93	10.908	10.908	0.000	96	42697	25.0	23.9	
68 Dichlorobromomethane	83	11.066	11.060	0.006	97	91154	25.0	23.3	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	91	95065	25.0	24.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	121912	50.0	53.9	
73 Toluene	91	11.838	11.839	-0.001	98	332676	25.0	24.1	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	71	55352	25.0	25.5	
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	93	82864	25.0	22.7	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	93	66115	25.0	24.7	
77 Tetrachloroethene	164	12.368	12.368	0.000	94	68314	25.0	26.0	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	95	117445	25.0	23.9	
79 2-Hexanone	43	12.416	12.417	-0.001	60	77932	50.0	53.0	
81 Chlorodibromomethane	129	12.654	12.654	0.000	90	51311	25.0	22.6	
82 Ethylene Dibromide	107	12.806	12.800	0.006	99	55399	25.0	22.8	
84 Chlorobenzene	112	13.280	13.275	0.005	94	204372	25.0	24.7	
87 Ethylbenzene	106	13.341	13.342	-0.001	99	101870	25.0	23.5	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	45	64060	25.0	23.9	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	98	127340	25.0	23.2	
89 o-Xylene	106	13.864	13.865	-0.001	96	113965	25.0	24.5	
90 Styrene	104	13.882	13.877	0.005	93	161739	25.0	21.5	
91 Bromoform	173	14.108	14.102	0.006	95	24298	25.0	23.3	
93 Isopropylbenzene	105	14.217	14.218	-0.001	96	301078	25.0	22.6	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	97	69569	25.0	24.2	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	37	16173	25.0	23.8	
98 1,2,3-Trichloropropane	110	14.606	14.595	0.011	57	25775	25.0	24.3	
95 Bromobenzene	156	14.600	14.601	-0.001	91	72739	25.0	24.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	76375	25.0	24.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	69577	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	228077	25.0	23.0	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	98	73375	25.0	24.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	201268	25.0	24.2	
106 1,2,4-Trimethylbenzene	105	15.196	15.203	-0.007	98	213549	25.0	22.1	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	246277	25.0	23.8	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	184162	25.0	21.7	
109 1,3-Dichlorobenzene	146	15.561	15.556	0.005	97	133121	25.0	24.6	
111 1,4-Dichlorobenzene	146	15.665	15.659	0.006	93	137239	25.0	25.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	142620	25.0	23.3	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	95	115741	25.0	24.4	
118 1,2-Dibromo-3-Chloropropane	75	16.790	16.785	0.005	67	7222	25.0	24.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	93	21377	25.0	17.7	
123 Hexachlorobutadiene	225	17.691	17.697	-0.006	94	16964	25.0	25.0	
124 Naphthalene	128	17.879	17.880	-0.001	97	36580	25.0	21.3	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	93	14493	25.0	23.0	
S 130 1,2-Dichloroethene, Total	96				0		50.0	47.4	
S 131 Xylenes, Total	106				0		50.0	47.7	
S 154 Total BTEX	1				0		125.0	120.1	
S 132 1,3-Dichloropropene, Total	1				0		50.0	47.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260VOAPRi_00429	Amount Added:	1.00	Units: uL
VOA8260SURR_00112	Amount Added:	1.00	Units: uL
VOAKETPRI_00005	Amount Added:	1.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

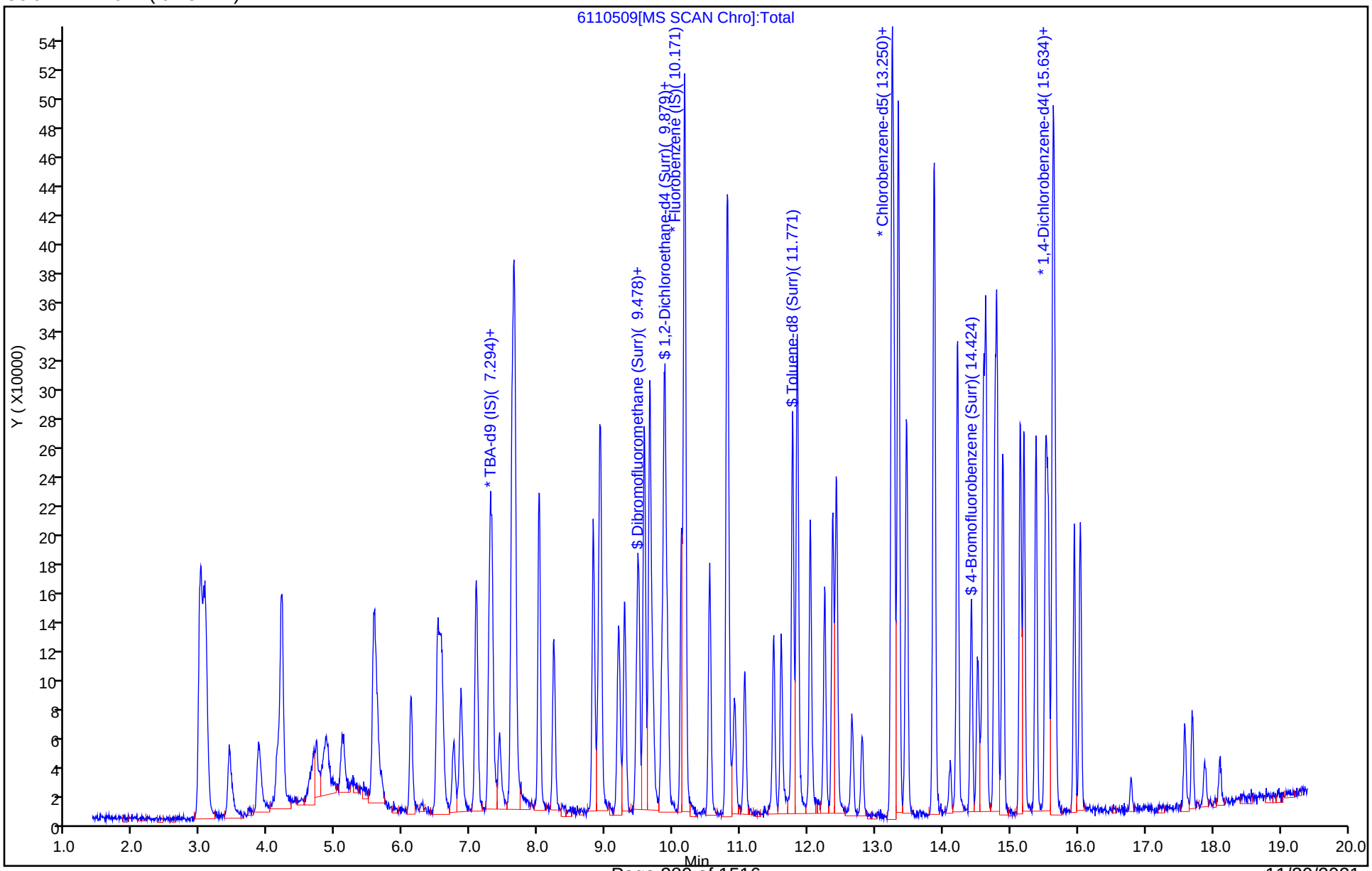
Report Date: 08-Nov-2020 13:30:53 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110509.D

Injection Date:	05-Nov-2020 10:26:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Nov-2020 10:53:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-010
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:30:57 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	91	216733	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	659614	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	137014	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	191051	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	92	129483	50.0	46.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.837	0.000	93	205588	50.0	47.3	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	575603	50.0	46.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	184556	50.0	45.3	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	211611	50.0	46.3	
12 Chloromethane	50	3.857	3.857	0.000	99	248965	50.0	46.2	
13 Vinyl chloride	62	4.137	4.137	0.000	98	209380	50.0	46.6	
14 Butadiene	39	4.192	4.192	0.000	95	248954	50.0	46.3	
15 Bromomethane	94	4.861	4.861	0.000	91	124315	50.0	48.7	
16 Chloroethane	64	5.105	5.105	0.000	99	146861	50.0	48.0	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	97	321208	50.0	45.0	
18 Trichlorofluoromethane	101	5.603	5.603	0.000	98	282317	50.0	45.7	
20 Ethyl ether	59	6.108	6.108	0.000	96	140605	50.0	43.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	95	137717	50.0	47.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.552	0.000	94	160060	50.0	47.2	
24 Acetone	43	6.589	6.589	0.000	99	131973	100.0	94.8	
25 Iodomethane	142	6.741	6.741	0.000	98	198968	50.0	46.2	
26 Carbon disulfide	76	6.857	6.857	0.000	100	399135	50.0	45.1	
30 Methyl acetate	43	7.069	7.069	0.000	99	249701	100.0	85.1	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	77619	50.0	42.1	
31 Methylene Chloride	84	7.282	7.282	0.000	99	181307	50.0	43.9	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	92	118829	500.0	468.7	
33 Acrylonitrile	53	7.611	7.611	0.000	99	654687	500.0	415.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	98	385370	50.0	48.3	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	167597	50.0	44.6	
36 Hexane	57	8.012	8.012	0.000	95	270509	50.0	47.0	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	321385	50.0	45.1	
44 2-Butanone (MEK)	43	8.888	8.888	0.000	100	170571	100.0	96.4	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	86	178932	50.0	44.8	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	41473	50.0	44.0	
48 Chlorobromomethane	128	9.193	9.193	0.000	93	79182	50.0	44.6	
49 Tetrahydrofuran	42	9.205	9.205	0.000	45	86225	100.0	89.3	
50 Chloroform	83	9.284	9.284	0.000	96	293828	50.0	44.8	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	97	256757	50.0	45.9	
52 Cyclohexane	56	9.570	9.570	0.000	93	348015	50.0	50.5	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	229994	50.0	46.6	
53 Carbon tetrachloride	117	9.655	9.655	0.000	91	203487	50.0	45.2	
55 Isobutyl alcohol	41	9.698	9.698	0.000	85	135216	1250.0	1130.7	
56 Benzene	78	9.874	9.874	0.000	98	706559	50.0	46.2	
57 1,2-Dichloroethane	62	9.923	9.923	0.000	97	250519	50.0	44.2	
59 n-Heptane	43	10.117	10.117	0.000	93	205898	50.0	50.7	
61 Trichloroethene	130	10.543	10.543	0.000	97	161565	50.0	44.3	
63 Methylcyclohexane	83	10.799	10.799	0.000	97	269442	50.0	48.0	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	91	185021	50.0	45.5	
65 1,4-Dioxane	88	10.866	10.866	0.000	94	28629	1000.0	869.9	
67 Dibromomethane	93	10.914	10.914	0.000	98	80957	50.0	41.7	
68 Dichlorobromomethane	83	11.066	11.066	0.000	98	185098	50.0	43.6	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	90	199982	50.0	48.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	275582	100.0	89.2	
73 Toluene	91	11.839	11.839	0.000	98	717146	50.0	46.7	
75 Ethyl methacrylate	69	12.027	12.027	0.000	75	131471	50.0	48.1	
74 trans-1,3-Dichloropropene	75	12.034	12.034	0.000	93	184951	50.0	45.5	
76 1,1,2-Trichloroethane	97	12.246	12.246	0.000	96	134502	50.0	45.2	
77 Tetrachloroethene	164	12.368	12.368	0.000	93	140697	50.0	48.1	
78 1,3-Dichloropropane	76	12.423	12.423	0.000	96	246320	50.0	45.0	
79 2-Hexanone	43	12.417	12.417	0.000	65	179769	100.0	88.6	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	107194	50.0	42.4	
82 Ethylene Dibromide	107	12.806	12.806	0.000	98	114200	50.0	42.2	
84 Chlorobenzene	112	13.275	13.275	0.000	94	422306	50.0	45.9	
87 Ethylbenzene	106	13.335	13.335	0.000	98	235411	50.0	46.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	89	135396	50.0	45.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	287895	50.0	44.1	
89 o-Xylene	106	13.865	13.865	0.000	97	259461	50.0	45.8	
90 Styrene	104	13.877	13.877	0.000	93	400221	50.0	42.5	
91 Bromoform	173	14.108	14.108	0.000	94	50138	50.0	43.2	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	697612	50.0	44.2	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.510	0.000	96	141959	50.0	44.3	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.540	0.000	64	35641	50.0	44.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	58	51720	50.0	42.0	
95 Bromobenzene	156	14.601	14.601	0.000	93	153267	50.0	44.4	
99 N-Propylbenzene	120	14.631	14.631	0.000	98	185732	50.0	48.5	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	157509	50.0	46.8	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	94	547749	50.0	44.9	
103 4-Chlorotoluene	126	14.887	14.887	0.000	98	161761	50.0	46.8	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	484325	50.0	48.0	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	544585	50.0	45.4	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	611500	50.0	48.6	
110 4-Isopropyltoluene	119	15.525	15.525	0.000	97	477404	50.0	43.7	
109 1,3-Dichlorobenzene	146	15.562	15.562	0.000	96	290984	50.0	46.4	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	286286	50.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	345263	50.0	46.1	
117 1,2-Dichlorobenzene	146	16.036	16.036	0.000	96	256894	50.0	46.7	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	13602	50.0	39.3	M
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	93	56447	50.0	40.3	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	95	32342	50.0	42.9	
124 Naphthalene	128	17.880	17.880	0.000	98	92946	50.0	46.6	
125 1,2,3-Trichlorobenzene	180	18.111	18.111	0.000	94	34052	50.0	46.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	89.4	
S 131 Xylenes, Total	106				0		100.0	89.9	
S 154 Total BTEX	1				0		250.0	229.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	93.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260VOAPRi_00429	Amount Added:	2.00	Units: uL
VOA8260SURR_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	2.00	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

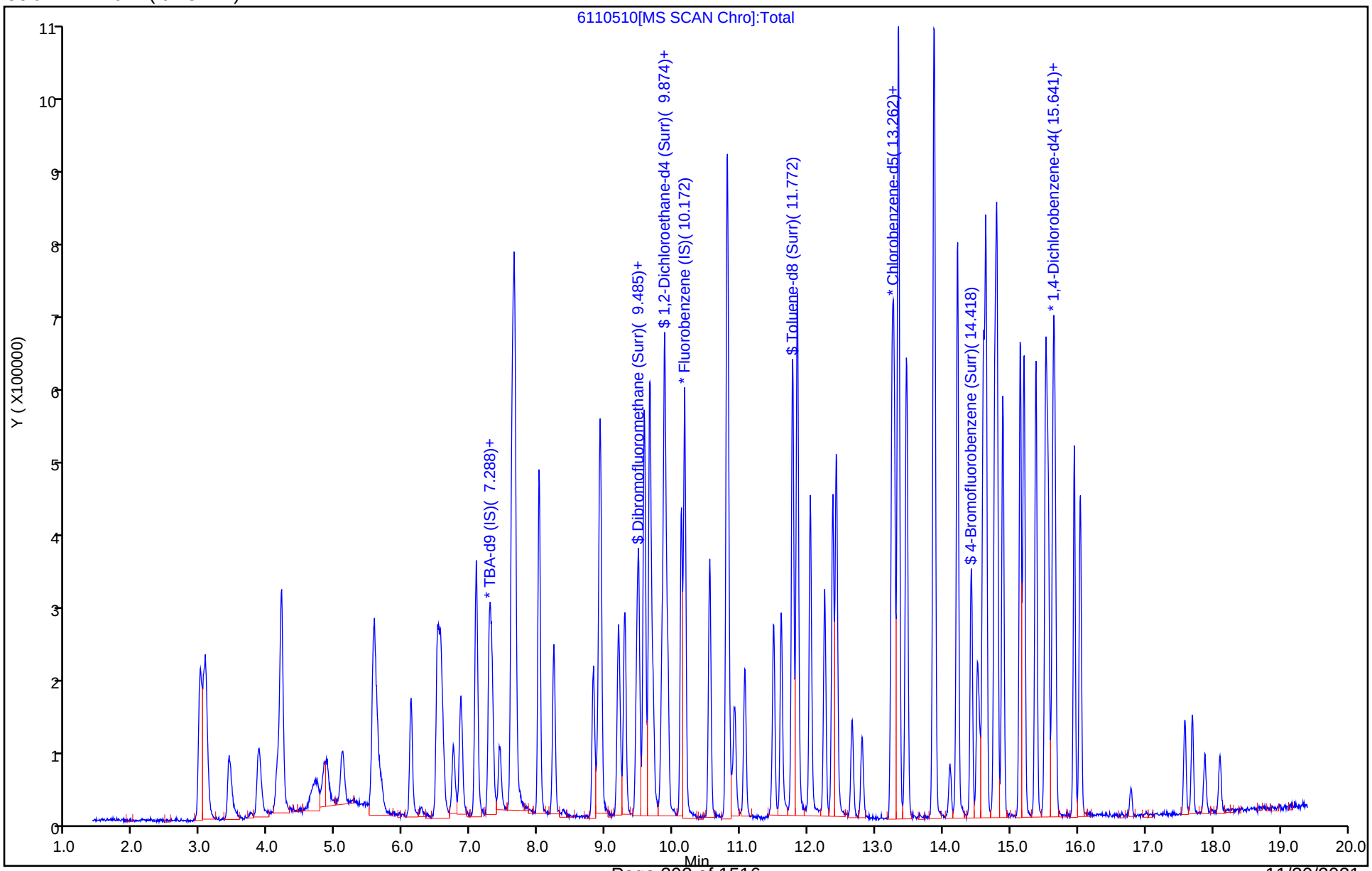
Report Date: 08-Nov-2020 13:31:00 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D

Injection Date:	05-Nov-2020 10:53:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICIS			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

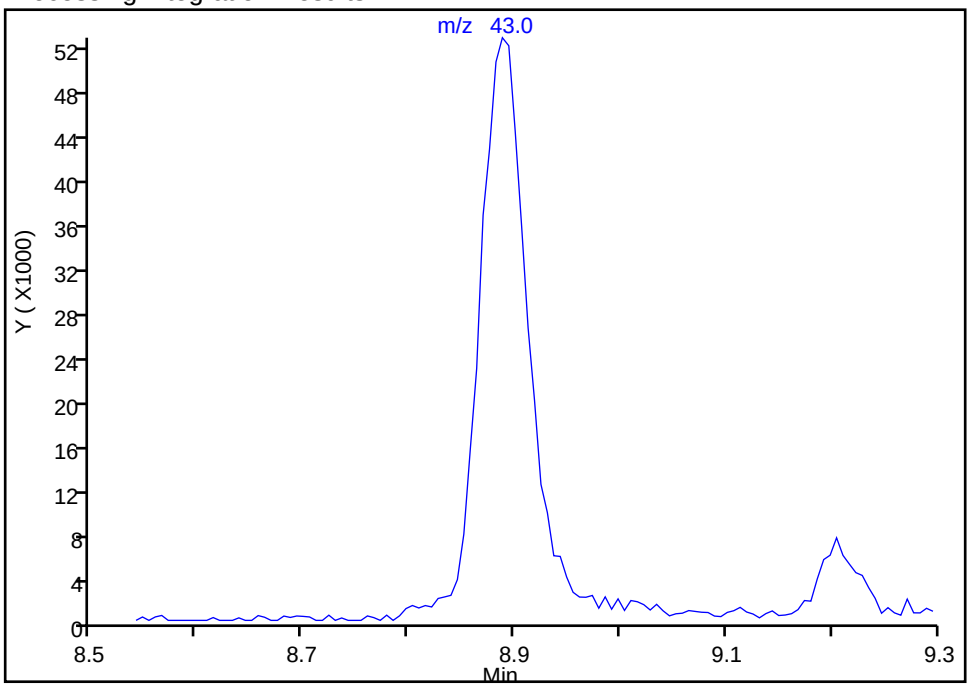
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Injection Date: 05-Nov-2020 10:53:30 Instrument ID: CHHP6
Lims ID: ICIS
Client ID:
Operator ID: 034635 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

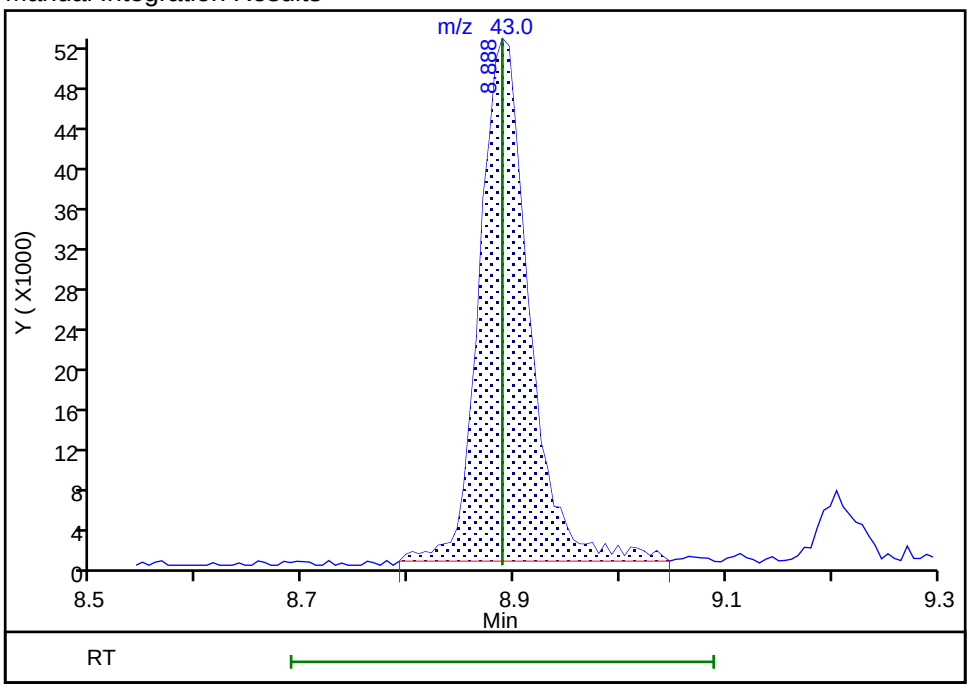
Not Detected
Expected RT: 8.89

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 170571
Amount: 96.351650
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:49:28
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

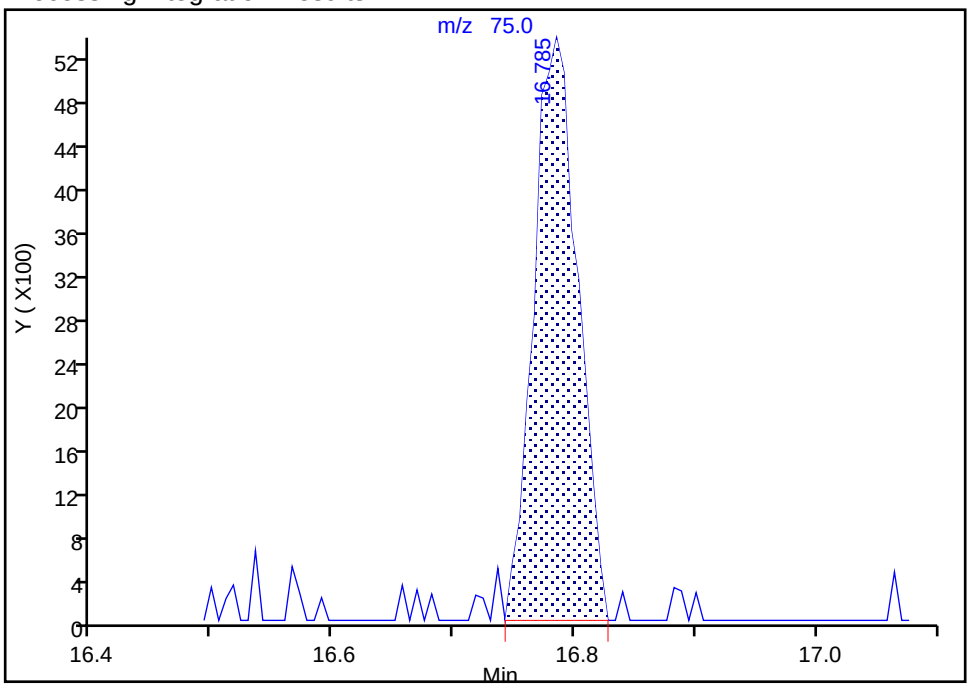
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110510.D
Injection Date: 05-Nov-2020 10:53:30 Instrument ID: CHHP6
Lims ID: ICIS
Client ID:
Operator ID: 034635 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

118 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 3

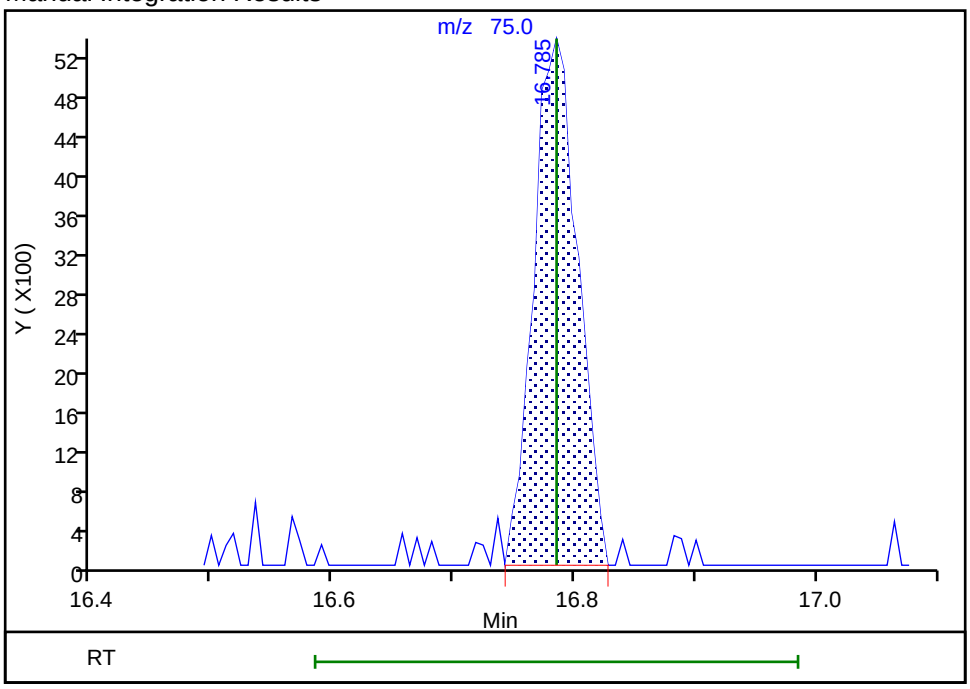
Processing Integration Results

RT: 16.78
Area: 13602
Amount: 41.697862
Amount Units: ng



Manual Integration Results

RT: 16.78
Area: 13602
Amount: 39.272906
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 12:28:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2020 11:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-011
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:06 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.319	7.319	0.000	91	216754	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	633929	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	88	124135	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	96	177595	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	202846	75.0	75.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.831	9.831	0.000	95	322447	75.0	77.2	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	95	913565	75.0	82.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	286771	75.0	77.7	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	99	320843	75.0	73.0	
12 Chloromethane	50	3.857	3.857	0.000	100	370456	75.0	71.5	
13 Vinyl chloride	62	4.137	4.137	0.000	97	322115	75.0	74.6	
14 Butadiene	39	4.198	4.198	0.000	92	362414	75.0	71.3	
15 Bromomethane	94	4.837	4.837	0.000	92	176620	75.0	73.3	
16 Chloroethane	64	5.105	5.105	0.000	99	209637	75.0	71.3	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	97	505716	75.0	73.8	
18 Trichlorofluoromethane	101	5.597	5.597	0.000	98	440636	75.0	74.2	
20 Ethyl ether	59	6.120	6.120	0.000	96	207230	75.0	66.6	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	206606	75.0	73.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.558	6.558	0.000	94	236412	75.0	72.5	
24 Acetone	43	6.595	6.595	0.000	100	200998	150.0	150.2	
25 Iodomethane	142	6.741	6.741	0.000	99	293049	75.0	70.8	
26 Carbon disulfide	76	6.857	6.857	0.000	100	617437	75.0	72.7	
30 Methyl acetate	43	7.069	7.069	0.000	99	373766	150.0	132.5	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	90	125459	75.0	70.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	261013	75.0	68.1	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	93	191081	750.0	753.7	
33 Acrylonitrile	53	7.617	7.617	0.000	99	986461	750.0	651.7	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	97	587228	75.0	76.6	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	94	254097	75.0	70.3	
36 Hexane	57	8.012	8.012	0.000	95	418312	75.0	75.7	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	481915	75.0	70.4	
44 2-Butanone (MEK)	43	8.882	8.882	0.000	55	263964	150.0	144.0	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	85	260676	75.0	67.9	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	88	64829	75.0	71.6	
48 Chlorobromomethane	128	9.180	9.180	0.000	93	110149	75.0	64.6	
49 Tetrahydrofuran	42	9.211	9.211	0.000	45	144297	150.0	155.5	
50 Chloroform	83	9.284	9.284	0.000	96	430197	75.0	68.2	
51 1,1,1-Trichloroethane	97	9.491	9.491	0.000	96	383543	75.0	71.3	
52 Cyclohexane	56	9.570	9.570	0.000	93	552246	75.0	83.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	359640	75.0	75.9	
53 Carbon tetrachloride	117	9.661	9.661	0.000	94	309994	75.0	71.7	
55 Isobutyl alcohol	41	9.698	9.698	0.000	92	203253	1875.0	1768.5	
56 Benzene	78	9.880	9.880	0.000	98	1058727	75.0	72.1	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	97	369204	75.0	67.8	
59 n-Heptane	43	10.117	10.117	0.000	93	327628	75.0	83.9	
61 Trichloroethene	130	10.543	10.543	0.000	97	245968	75.0	70.2	
63 Methylcyclohexane	83	10.793	10.793	0.000	96	430749	75.0	78.8	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	276915	75.0	70.9	
65 1,4-Dioxane	88	10.859	10.859	0.000	91	50467	1500.0	1543.4	
67 Dibromomethane	93	10.908	10.908	0.000	97	124213	75.0	66.6	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	279238	75.0	68.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	318495	75.0	79.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	437185	150.0	141.5	
73 Toluene	91	11.839	11.839	0.000	97	1110024	75.0	79.7	
75 Ethyl methacrylate	69	12.034	12.034	0.000	75	212514	75.0	76.5	
74 trans-1,3-Dichloropropene	75	12.040	12.040	0.000	94	289357	75.0	78.5	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.000	95	195646	75.0	72.6	
77 Tetrachloroethene	164	12.368	12.368	0.000	98	208287	75.0	78.5	
79 2-Hexanone	43	12.417	12.417	0.000	74	291515	150.0	142.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	365690	75.0	73.8	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	158226	75.0	69.0	
82 Ethylene Dibromide	107	12.800	12.800	0.000	97	175768	75.0	71.6	
84 Chlorobenzene	112	13.275	13.275	0.000	91	625528	75.0	75.0	
87 Ethylbenzene	106	13.342	13.342	0.000	98	366401	75.0	78.6	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	91	195319	75.0	72.3	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	99	451860	75.0	74.3	
89 o-Xylene	106	13.865	13.865	0.000	96	411614	75.0	77.2	
90 Styrene	104	13.877	13.877	0.000	94	628910	75.0	70.6	
91 Bromoform	173	14.102	14.102	0.000	94	77584	75.0	73.8	
93 Isopropylbenzene	105	14.218	14.218	0.000	96	1113157	75.0	76.0	
96 1,1,2,2-Tetrachloroethane	83	14.516	14.516	0.000	96	213640	75.0	73.6	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	58585	75.0	77.3	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	61	76804	75.0	67.1	
95 Bromobenzene	156	14.601	14.601	0.000	93	235613	75.0	73.5	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	291584	75.0	80.2	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	234928	75.0	75.0	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	868101	75.0	74.8	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	239558	75.0	74.6	
104 tert-Butylbenzene	119	15.148	15.148	0.000	94	760834	75.0	79.7	
106 1,2,4-Trimethylbenzene	105	15.203	15.203	0.000	98	832643	75.0	73.0	
108 sec-Butylbenzene	105	15.379	15.379	0.000	95	953872	75.0	80.1	
110 4-Isopropyltoluene	119	15.526	15.526	0.000	97	746098	75.0	70.7	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	432864	75.0	74.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	92	425521	75.0	71.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	566543	75.0	79.7	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.000	96	373634	75.0	73.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	70	23117	75.0	71.8	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	95	92114	75.0	70.8	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	92	53676	75.0	78.9	
124 Naphthalene	128	17.880	17.880	0.000	97	167731	75.0	90.5	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	95	57048	75.0	83.8	
S 130 1,2-Dichloroethene, Total	96				0		150.0	138.2	
S 131 Xylenes, Total	106				0		150.0	151.5	
S 154 Total BTEX	1				0		375.0	381.8	
S 132 1,3-Dichloropropene, Total	1				0		150.0	158.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	3.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	3.00	Units: uL
VOA8260SURR_00112	Amount Added:	3.00	Units: uL

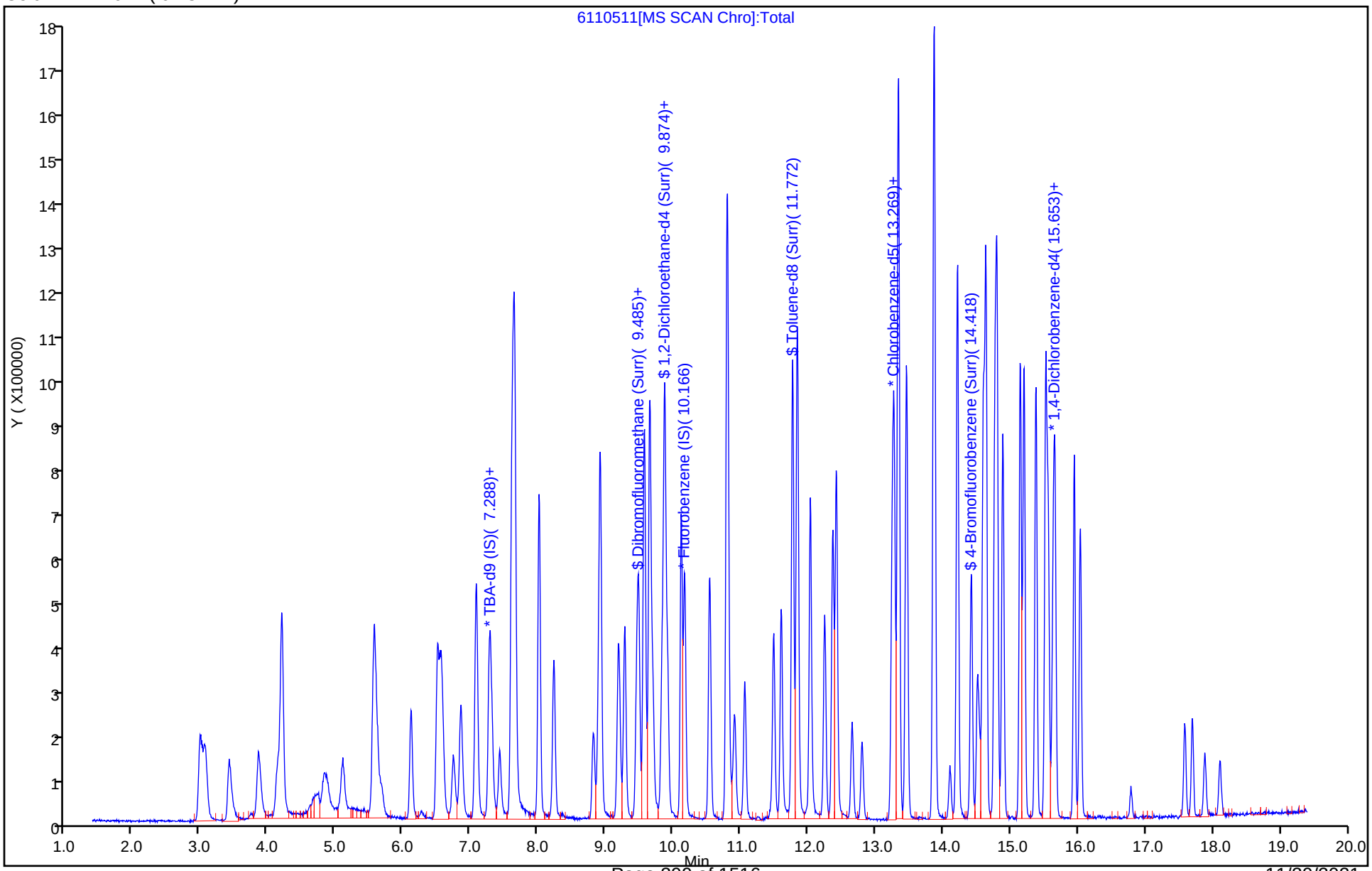
Report Date: 08-Nov-2020 13:31:10 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D

Injection Date:	05-Nov-2020 11:20:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

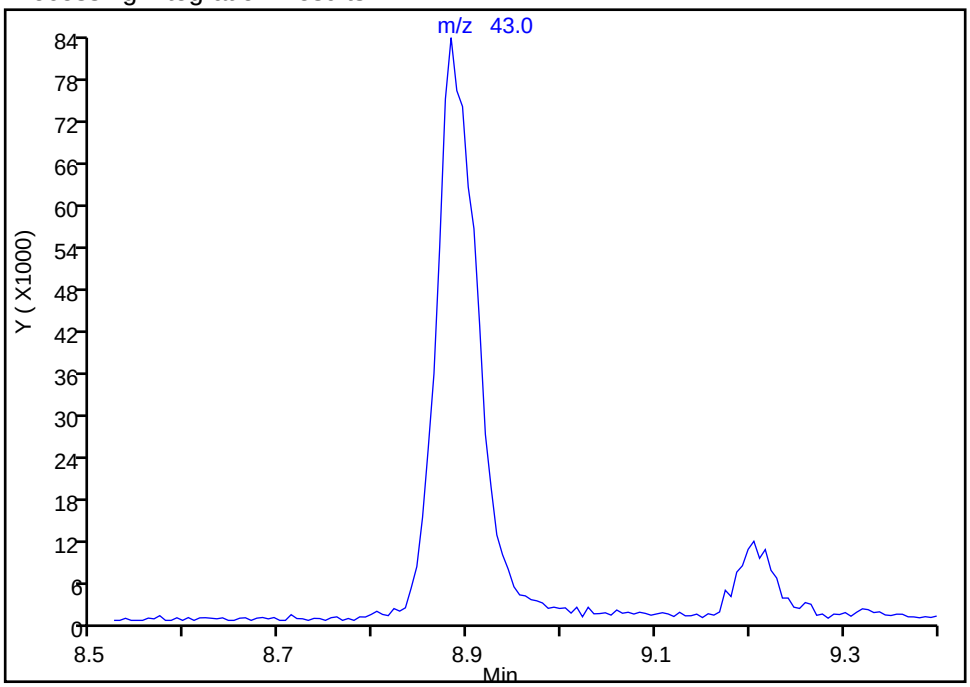
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110511.D				
Injection Date:	05-Nov-2020 11:20:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

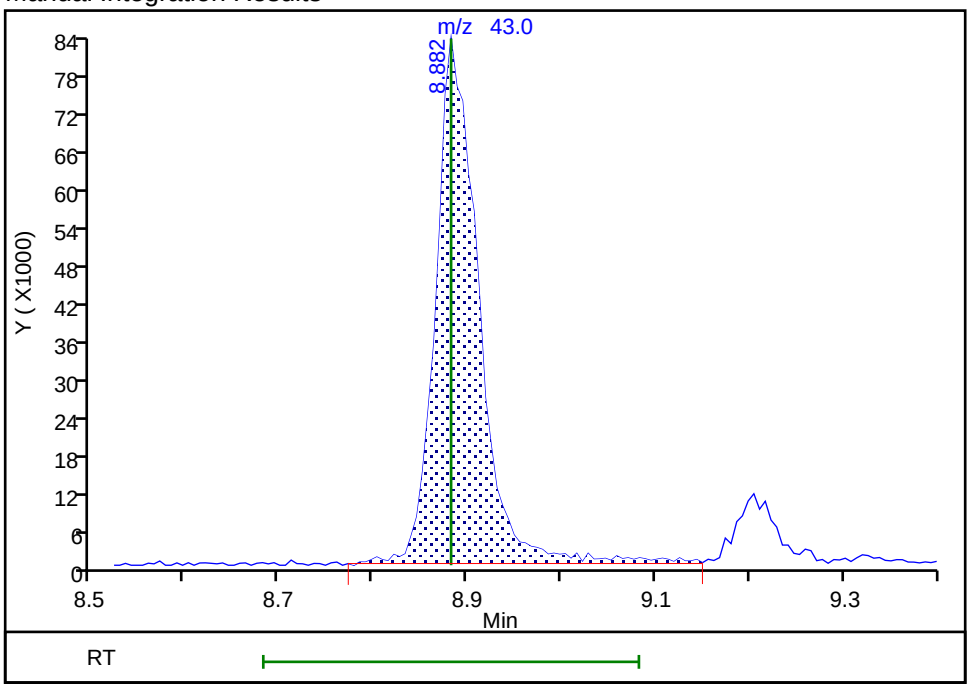
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.88
Area: 263964
Amount: 143.9521
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:50:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2020 11:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-012
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.319	-0.009	92	226094	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.172	-0.003	98	603499	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.241	13.244	-0.003	88	123664	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.632	15.629	0.003	96	179317	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.457	9.460	-0.003	92	264067	100.0	103.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.834	9.831	0.003	98	404191	100.0	101.7	
$ 7 Toluene-d8 (Surr)	98	11.769	11.772	-0.003	95	1159160	100.0	104.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.415	14.418	-0.003	0	392420	100.0	106.7	
11 Dichlorodifluoromethane	85	3.416	3.419	-0.003	99	380353	100.0	91.0	
12 Chloromethane	50	3.854	3.857	-0.003	99	455985	100.0	92.5	
13 Vinyl chloride	62	4.134	4.137	-0.003	97	378968	100.0	92.2	
14 Butadiene	39	4.195	4.198	-0.003	94	449318	100.0	93.5	M
15 Bromomethane	94	4.852	4.837	0.015	90	211505	100.0	92.8	
16 Chloroethane	64	5.101	5.105	-0.004	99	247684	100.0	88.5	
17 Dichlorofluoromethane	67	5.564	5.567	-0.003	97	599410	100.0	91.8	
18 Trichlorofluoromethane	101	5.606	5.597	0.009	97	516831	100.0	91.5	
20 Ethyl ether	59	6.117	6.120	-0.003	94	273468	100.0	92.3	
22 1,1-Dichloroethene	96	6.507	6.504	0.003	93	242319	100.0	90.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.549	6.558	-0.009	94	278619	100.0	89.8	
24 Acetone	43	6.592	6.595	-0.003	99	269581	200.0	211.6	
25 Iodomethane	142	6.750	6.741	0.009	99	360930	100.0	91.6	
26 Carbon disulfide	76	6.854	6.857	-0.003	100	738892	100.0	91.3	
30 Methyl acetate	43	7.073	7.069	0.004	99	497821	200.0	185.4	
29 3-Chloro-1-propene	76	7.085	7.082	0.003	90	155658	100.0	92.3	
31 Methylene Chloride	84	7.279	7.276	0.003	99	331688	100.0	92.6	
32 2-Methyl-2-propanol	59	7.425	7.434	-0.009	94	251818	1000.0	952.2	
33 Acrylonitrile	53	7.608	7.617	-0.009	99	1366935	1000.0	948.6	
35 Methyl tert-butyl ether	73	7.644	7.641	0.003	98	790136	100.0	108.3	
34 trans-1,2-Dichloroethene	96	7.650	7.660	-0.010	93	308160	100.0	89.5	
36 Hexane	57	8.009	8.012	-0.003	95	500285	100.0	95.1	
37 1,1-Dichloroethane	63	8.234	8.231	0.003	97	588048	100.0	90.2	
44 2-Butanone (MEK)	43	8.885	8.882	0.003	99	345063	200.0	190.8	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.916	8.919	-0.003	86	329821	100.0	90.3	
42 2,2-Dichloropropane	97	8.922	8.925	-0.003	68	74624	100.0	86.5	
48 Chlorobromomethane	128	9.190	9.180	0.010	93	142503	100.0	87.7	
49 Tetrahydrofuran	42	9.208	9.211	-0.003	44	189452	200.0	214.5	
50 Chloroform	83	9.281	9.284	-0.003	97	547876	100.0	91.3	
51 1,1,1-Trichloroethane	97	9.488	9.491	-0.003	98	461491	100.0	90.2	
52 Cyclohexane	56	9.573	9.570	0.003	94	660324	100.0	104.8	
54 1,1-Dichloropropene	75	9.646	9.649	-0.003	95	427465	100.0	94.7	
53 Carbon tetrachloride	117	9.658	9.661	-0.003	96	384021	100.0	93.2	
55 Isobutyl alcohol	41	9.701	9.698	0.003	90	272246	2500.0	2488.2	
56 Benzene	78	9.877	9.880	-0.003	98	1311296	100.0	93.7	
57 1,2-Dichloroethane	62	9.914	9.917	-0.003	97	484339	100.0	93.4	
59 n-Heptane	43	10.120	10.117	0.003	94	396995	100.0	106.8	
61 Trichloroethene	130	10.540	10.543	-0.003	97	309674	100.0	92.8	
63 Methylcyclohexane	83	10.796	10.793	0.003	96	519081	100.0	99.4	
64 1,2-Dichloropropane	63	10.814	10.811	0.003	90	344371	100.0	92.7	
65 1,4-Dioxane	88	10.856	10.859	-0.003	95	63524	2000.0	2020.4	
67 Dibromomethane	93	10.911	10.908	0.003	97	165406	100.0	93.2	
68 Dichlorobromomethane	83	11.057	11.060	-0.003	98	367432	100.0	94.7	
71 cis-1,3-Dichloropropene	75	11.489	11.492	-0.003	92	419042	100.0	109.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.605	11.602	0.003	98	632990	200.0	196.7	
73 Toluene	91	11.842	11.839	0.003	98	1367785	100.0	98.6	
75 Ethyl methacrylate	69	12.031	12.034	-0.003	93	295851	100.0	98.9	
74 trans-1,3-Dichloropropene	75	12.037	12.040	-0.003	97	392133	100.0	106.8	
76 1,1,2-Trichloroethane	97	12.243	12.247	-0.003	95	253265	100.0	94.4	
77 Tetrachloroethene	164	12.365	12.368	-0.003	95	247815	100.0	93.8	
78 1,3-Dichloropropane	76	12.420	12.417	0.003	96	491938	100.0	99.6	
79 2-Hexanone	43	12.414	12.417	-0.003	77	426355	200.0	200.5	
81 Chlorodibromomethane	129	12.657	12.654	0.003	91	213808	100.0	93.6	
82 Ethylene Dibromide	107	12.797	12.800	-0.003	98	228424	100.0	93.5	
84 Chlorobenzene	112	13.272	13.275	-0.003	93	808748	100.0	97.3	
87 Ethylbenzene	106	13.339	13.342	-0.004	99	471639	100.0	100.9	
86 1,1,1,2-Tetrachloroethane	131	13.339	13.342	-0.004	90	256974	100.0	95.5	
88 m-Xylene & p-Xylene	106	13.460	13.463	-0.003	100	571765	100.0	93.6	
89 o-Xylene	106	13.862	13.865	-0.003	97	540887	100.0	100.5	
90 Styrene	104	13.874	13.877	-0.003	94	825621	100.0	91.7	
91 Bromoform	173	14.105	14.102	0.003	95	106125	100.0	101.4	
93 Isopropylbenzene	105	14.215	14.218	-0.003	96	1408969	100.0	95.9	
96 1,1,2,2-Tetrachloroethane	83	14.513	14.516	-0.003	96	277793	100.0	96.1	
97 trans-1,4-Dichloro-2-butene	53	14.549	14.546	0.003	62	79996	100.0	104.2	
98 1,2,3-Trichloropropane	110	14.598	14.595	0.003	59	104336	100.0	90.3	
95 Bromobenzene	156	14.604	14.601	0.003	93	300790	100.0	92.9	
99 N-Propylbenzene	120	14.634	14.637	-0.003	99	360684	100.0	97.7	
100 2-Chlorotoluene	126	14.768	14.771	-0.003	95	300694	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	14.799	14.802	-0.003	94	1091183	100.0	92.5	
103 4-Chlorotoluene	126	14.884	14.887	-0.003	99	305646	100.0	94.3	
104 tert-Butylbenzene	119	15.145	15.148	-0.003	95	972480	100.0	100.3	
106 1,2,4-Trimethylbenzene	105	15.200	15.203	-0.003	97	1085440	100.0	93.5	
108 sec-Butylbenzene	105	15.376	15.379	-0.003	95	1209838	100.0	100.1	
110 4-Isopropyltoluene	119	15.522	15.526	-0.004	97	952271	100.0	88.3	
109 1,3-Dichlorobenzene	146	15.559	15.556	0.003	97	536034	100.0	91.0	
111 1,4-Dichlorobenzene	146	15.656	15.659	-0.003	92	534620	100.0	89.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.948	15.945	0.003	98	725923	100.0	100.5	
117 1,2-Dichlorobenzene	146	16.033	16.037	-0.003	96	480221	100.0	93.1	
118 1,2-Dibromo-3-Chloropropane	75	16.782	16.785	-0.003	70	33014	100.0	101.6	
122 1,2,4-Trichlorobenzene	180	17.585	17.582	0.003	94	132642	100.0	101.0	
123 Hexachlorobutadiene	225	17.694	17.697	-0.003	96	73784	100.0	108.5	
124 Naphthalene	128	17.883	17.880	0.003	98	265474	100.0	141.8	
125 1,2,3-Trichlorobenzene	180	18.108	18.105	0.003	94	86456	100.0	125.8	
S 130 1,2-Dichloroethene, Total	96				0		200.0	179.8	
S 131 Xylenes, Total	106				0		200.0	194.1	
S 154 Total BTEX	1				0		500.0	487.4	
S 132 1,3-Dichloropropene, Total	1				0		200.0	216.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	4.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	4.00	Units: uL
VOA8260SURR_00112	Amount Added:	4.00	Units: uL

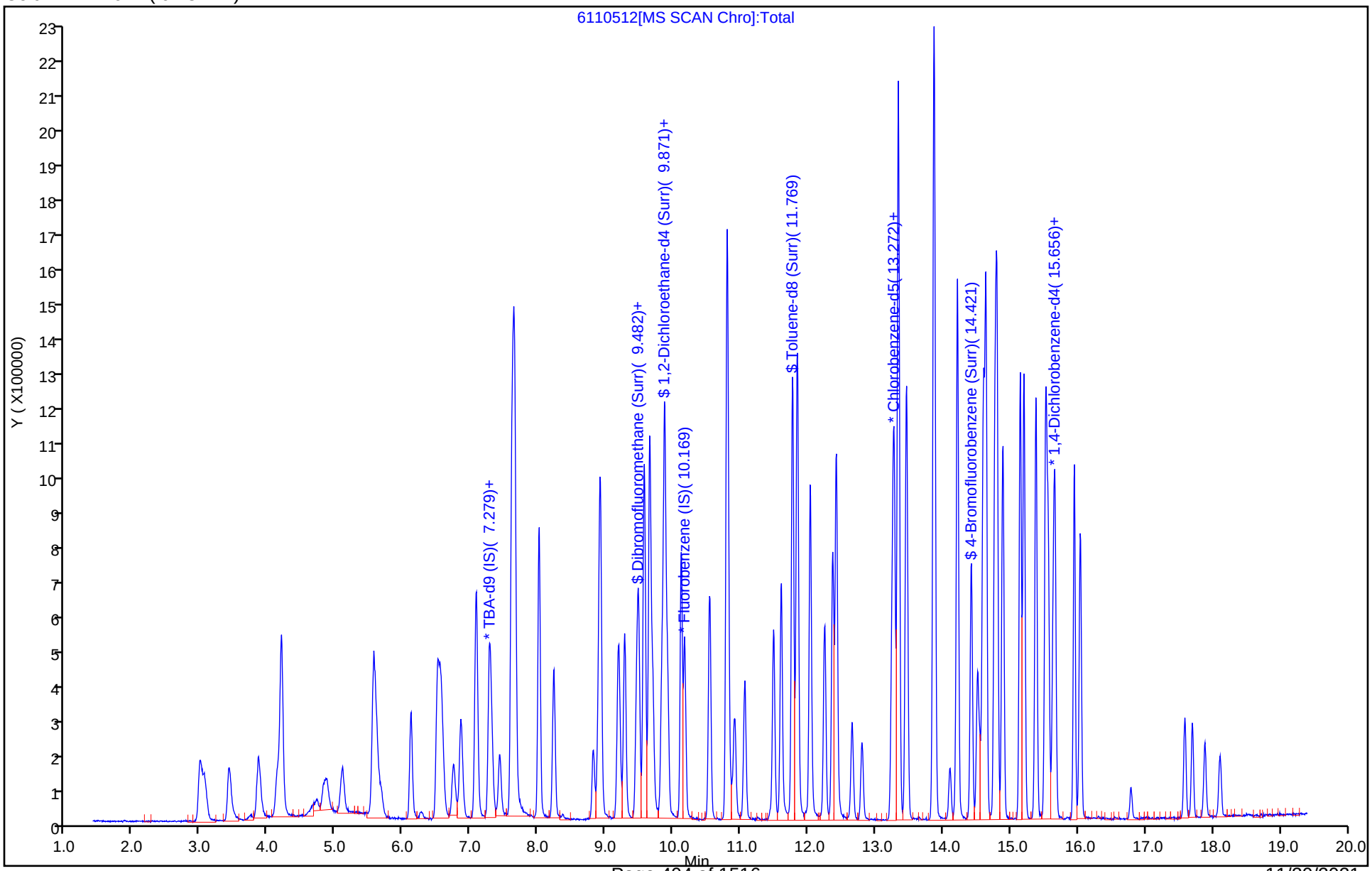
Report Date: 08-Nov-2020 13:31:18 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D

Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

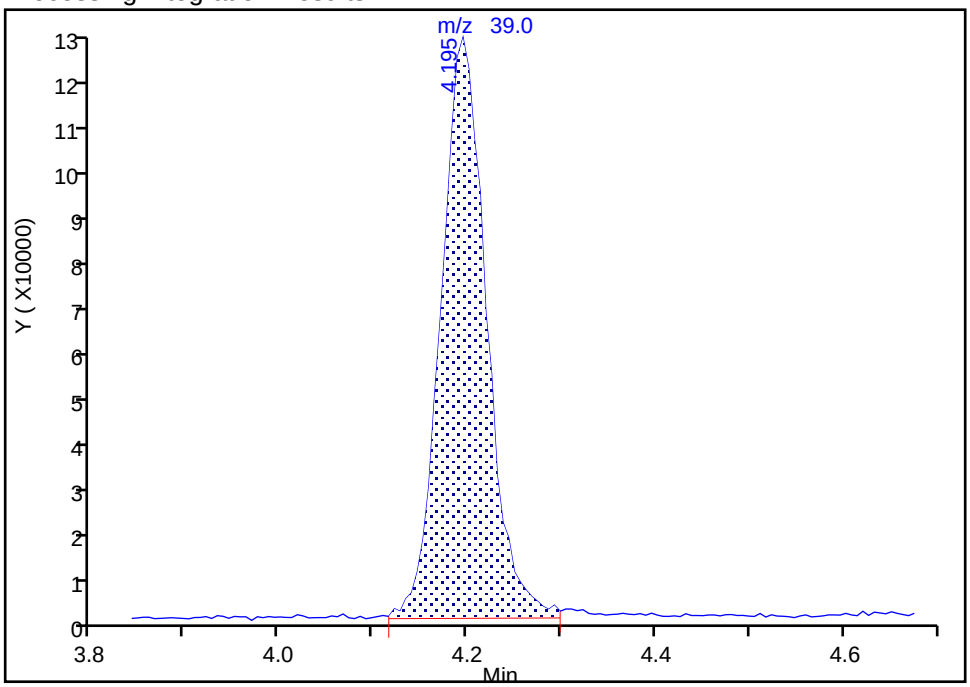
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D
Injection Date: 05-Nov-2020 11:48:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

14 Butadiene, CAS: 106-99-0

Signal: 1

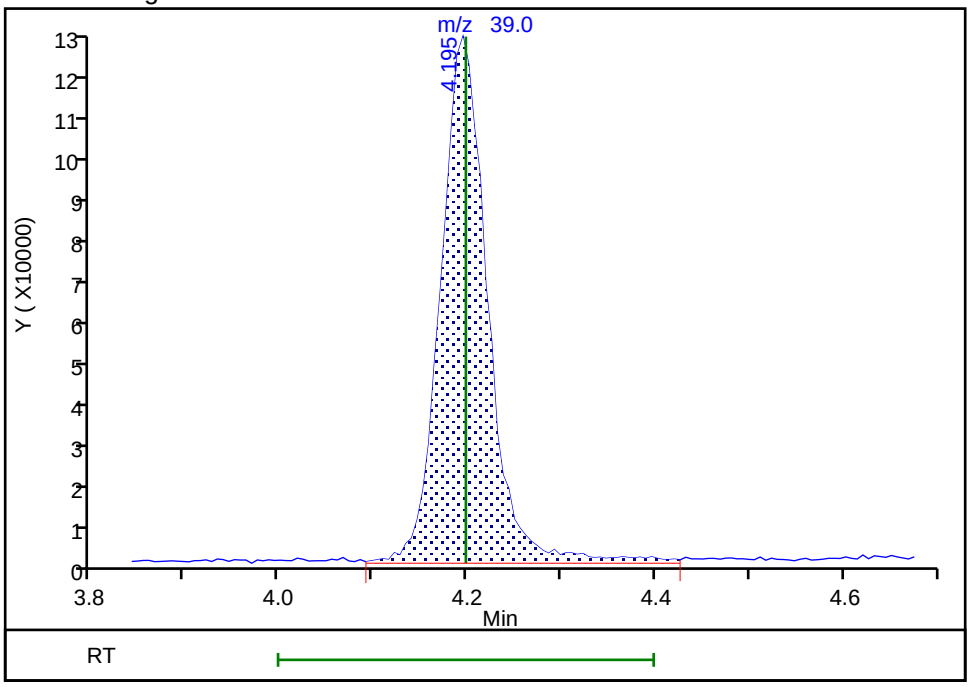
Processing Integration Results

RT: 4.20
Area: 432029
Amount: 84.741881
Amount Units: ng



Manual Integration Results

RT: 4.20
Area: 449318
Amount: 93.474722
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:19:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

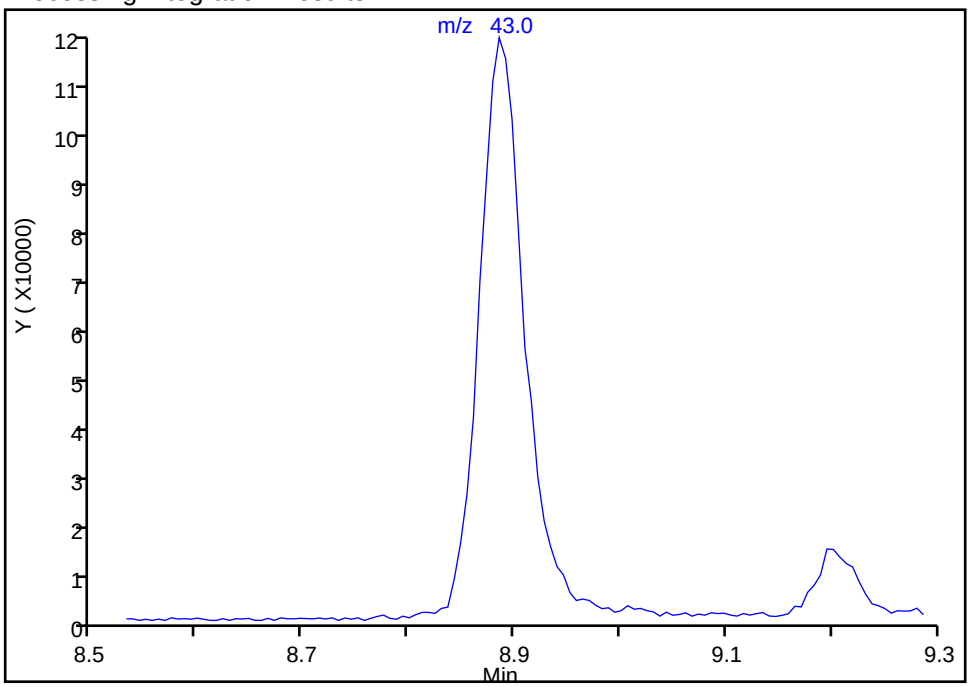
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110512.D				
Injection Date:	05-Nov-2020 11:48:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

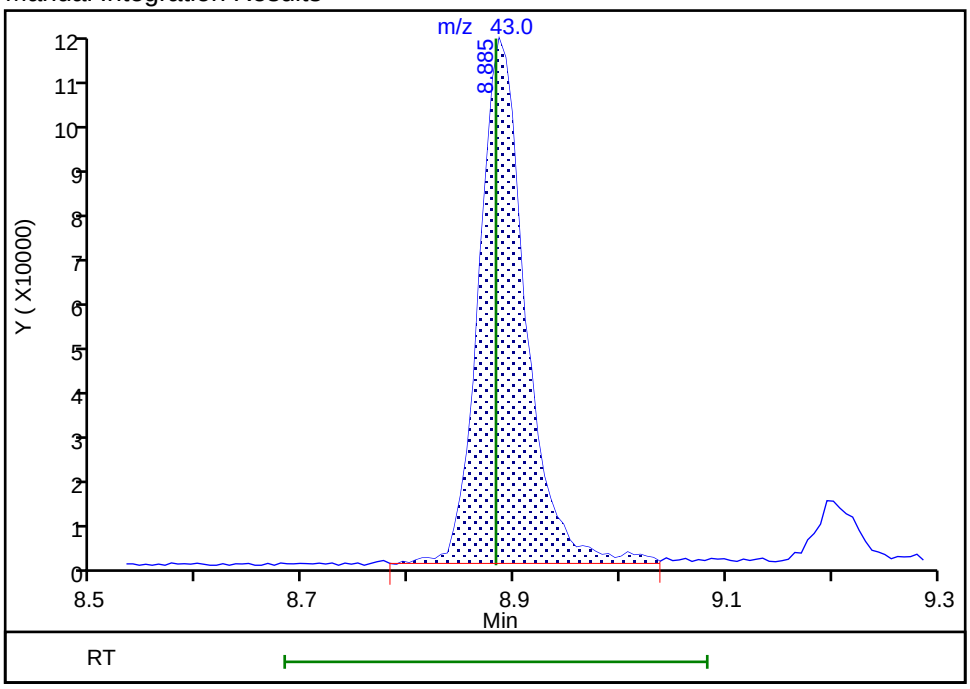
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 345063
Amount: 190.8211
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:52:04
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Nov-2020 12:15:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-013
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:24 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	93	237065	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	557831	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	89	119941	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.629	0.000	97	161023	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.454	9.460	-0.006	93	419791	175.0	177.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.832	9.831	0.001	87	631604	175.0	171.9	
$ 7 Toluene-d8 (Surr)	98	11.772	11.772	0.000	94	1927595	175.0	179.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.418	0.001	0	647000	175.0	181.3	
11 Dichlorodifluoromethane	85	3.426	3.419	0.007	99	745184	175.0	192.8	
12 Chloromethane	50	3.864	3.857	0.007	100	842498	175.0	184.9	
13 Vinyl chloride	62	4.144	4.137	0.007	98	741670	175.0	195.1	
14 Butadiene	39	4.198	4.198	0.000	93	839154	175.0	191.1	
15 Bromomethane	94	4.861	4.837	0.024	92	385310	175.0	185.3	
16 Chloroethane	64	5.105	5.105	0.000	100	473377	175.0	182.9	
17 Dichlorofluoromethane	67	5.567	5.567	0.000	98	1128742	175.0	187.1	
18 Trichlorofluoromethane	101	5.598	5.597	0.001	98	1009276	175.0	193.2	
20 Ethyl ether	59	6.115	6.120	-0.005	96	513339	175.0	187.4	
22 1,1-Dichloroethene	96	6.504	6.504	0.000	94	476297	175.0	192.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.559	6.558	0.001	94	535828	175.0	186.8	
24 Acetone	43	6.589	6.595	-0.006	98	460912	350.0	391.4	
25 Iodomethane	142	6.747	6.741	0.006	99	679025	175.0	186.4	
26 Carbon disulfide	76	6.857	6.857	0.000	100	1435357	175.0	191.9	
30 Methyl acetate	43	7.070	7.069	0.001	99	946033	350.0	381.2	
29 3-Chloro-1-propene	76	7.088	7.082	0.006	90	311579	175.0	200.0	
31 Methylene Chloride	84	7.283	7.276	0.007	99	565880	175.0	175.0	
32 2-Methyl-2-propanol	59	7.429	7.434	-0.005	94	475429	1750.0	1714.5	
33 Acrylonitrile	53	7.611	7.617	-0.006	98	2593990	1750.0	1947.5	
35 Methyl tert-butyl ether	73	7.642	7.641	0.001	98	1496613	175.0	221.8	
34 trans-1,2-Dichloroethene	96	7.660	7.660	0.000	95	581182	175.0	182.7	
36 Hexane	57	8.019	8.012	0.007	95	994929	175.0	204.5	
37 1,1-Dichloroethane	63	8.232	8.231	0.001	97	1120797	175.0	186.0	
44 2-Butanone (MEK)	43	8.889	8.882	0.007	99	618125	350.0	352.6	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.913	8.919	-0.006	87	621793	175.0	184.2	
42 2,2-Dichloropropane	97	8.925	8.925	0.000	91	141690	175.0	177.8	
48 Chlorobromomethane	128	9.187	9.180	0.007	93	262957	175.0	175.2	
49 Tetrahydrofuran	42	9.205	9.211	-0.006	44	378993	350.0	464.2	
50 Chloroform	83	9.284	9.284	0.000	97	1006069	175.0	181.3	
51 1,1,1-Trichloroethane	97	9.485	9.491	-0.006	97	911477	175.0	192.7	
52 Cyclohexane	56	9.570	9.570	0.000	93	1330680	175.0	228.4	
54 1,1-Dichloropropene	75	9.649	9.649	0.000	94	848242	175.0	203.4	
53 Carbon tetrachloride	117	9.655	9.661	-0.006	97	741993	175.0	194.9	
55 Isobutyl alcohol	41	9.698	9.698	0.000	91	516882	4375.0	5110.9	
56 Benzene	78	9.874	9.880	-0.006	98	2460058	175.0	190.3	
57 1,2-Dichloroethane	62	9.917	9.917	0.000	96	885871	175.0	184.9	
59 n-Heptane	43	10.124	10.117	0.007	96	818576	175.0	238.2	
61 Trichloroethene	130	10.543	10.543	0.000	97	597793	175.0	193.8	
63 Methylcyclohexane	83	10.793	10.793	0.000	95	1047837	175.0	215.5	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	92	641556	175.0	186.8	
65 1,4-Dioxane	88	10.866	10.859	0.007	95	121579	3500.0	4116.4	
67 Dibromomethane	93	10.914	10.908	0.006	96	301698	175.0	183.9	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	676108	175.0	188.4	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	92	820521	175.0	232.9	
72 4-Methyl-2-pentanone (MIBK)	43	11.602	11.602	0.000	98	1169372	350.0	357.0	
73 Toluene	91	11.839	11.839	0.000	97	2653112	175.0	197.2	
75 Ethyl methacrylate	69	12.028	12.034	-0.006	90	641291	175.0	176.3	
74 trans-1,3-Dichloropropene	75	12.034	12.040	-0.006	92	756371	175.0	212.4	
76 1,1,2-Trichloroethane	97	12.247	12.247	0.001	95	465914	175.0	179.0	
77 Tetrachloroethene	164	12.362	12.368	-0.006	94	491949	175.0	191.9	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	907330	175.0	189.5	
79 2-Hexanone	43	12.417	12.417	0.000	98	768293	350.0	355.4	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	417139	175.0	188.3	
82 Ethylene Dibromide	107	12.800	12.800	0.000	100	435350	175.0	183.7	
84 Chlorobenzene	112	13.275	13.275	0.000	93	1514759	175.0	188.0	
87 Ethylbenzene	106	13.336	13.342	-0.006	99	910637	175.0	198.9	
86 1,1,1,2-Tetrachloroethane	131	13.342	13.342	0.000	94	486580	175.0	186.4	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	100	1109435	175.0	184.4	
89 o-Xylene	106	13.859	13.865	-0.006	97	1044366	175.0	196.0	
90 Styrene	104	13.877	13.877	0.000	92	1614997	175.0	180.5	
91 Bromoform	173	14.102	14.102	0.000	95	203002	175.0	200.0	
93 Isopropylbenzene	105	14.212	14.218	-0.006	96	2813005	175.0	194.6	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.516	-0.006	96	521753	175.0	186.0	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.546	0.000	65	160445	175.0	231.2	
98 1,2,3-Trichloropropane	110	14.595	14.595	0.000	88	199230	175.0	192.1	
95 Bromobenzene	156	14.601	14.601	0.000	96	556036	175.0	191.2	
99 N-Propylbenzene	120	14.638	14.637	0.001	99	718236	175.0	213.6	
100 2-Chlorotoluene	126	14.765	14.771	-0.006	95	568129	175.0	200.1	
102 1,3,5-Trimethylbenzene	105	14.802	14.802	0.000	93	2090582	175.0	194.4	
103 4-Chlorotoluene	126	14.887	14.887	0.000	99	584830	175.0	200.9	
104 tert-Butylbenzene	119	15.149	15.148	0.001	93	1912029	175.0	217.0	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	98	2049989	175.0	193.7	
108 sec-Butylbenzene	105	15.374	15.379	-0.005	94	2382047	175.0	216.9	
110 4-Isopropyltoluene	119	15.520	15.526	-0.006	97	1905453	175.0	191.8	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	97	995523	175.0	188.2	
111 1,4-Dichlorobenzene	146	15.660	15.659	0.001	93	1005518	175.0	187.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1492022	175.0	227.0	
117 1,2-Dichlorobenzene	146	16.037	16.037	0.001	96	894741	175.0	193.1	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	73	57027	175.0	195.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	94	235785	175.0	199.9	
123 Hexachlorobutadiene	225	17.698	17.697	0.001	97	133216	175.0	221.1	
124 Naphthalene	128	17.886	17.880	0.006	96	488279	175.0	290.5	M
125 1,2,3-Trichlorobenzene	180	18.111	18.105	0.006	94	144171	175.0	233.6	
S 130 1,2-Dichloroethene, Total	96				0		350.0	366.9	
S 131 Xylenes, Total	106				0		350.0	380.4	
S 154 Total BTEX	1				0		875.0	966.7	
S 132 1,3-Dichloropropene, Total	1				0		350.0	445.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	7.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	7.00	Units: uL
VOA8260SURR_00112	Amount Added:	7.00	Units: uL

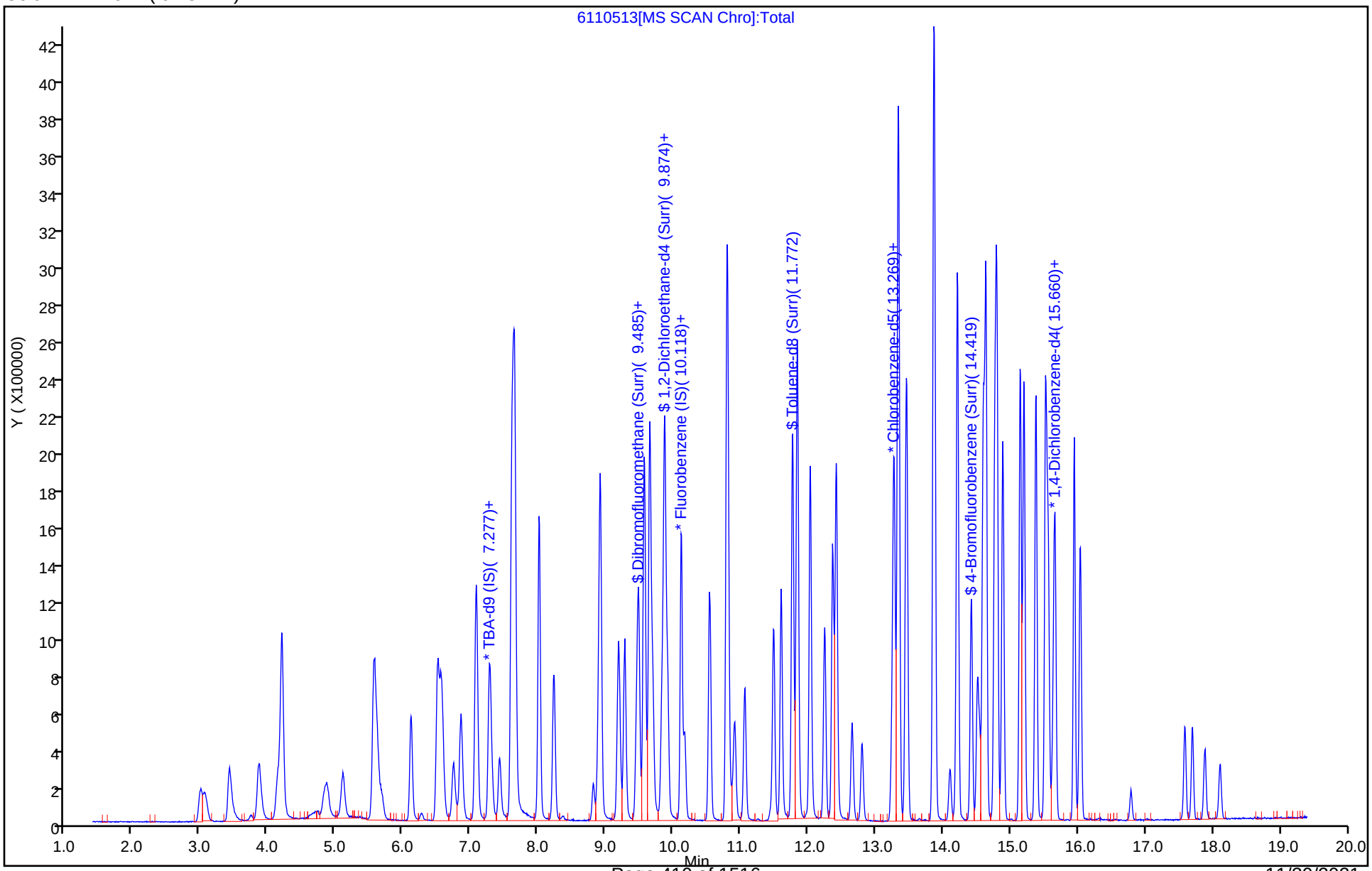
Report Date: 08-Nov-2020 13:31:27 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D

Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

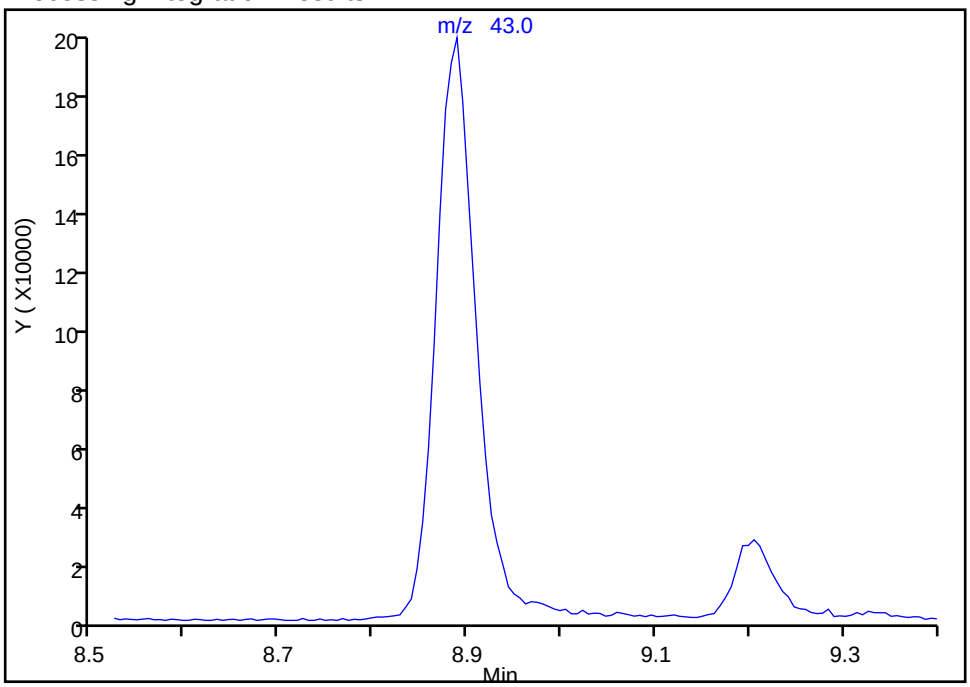
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D
Injection Date: 05-Nov-2020 12:15:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

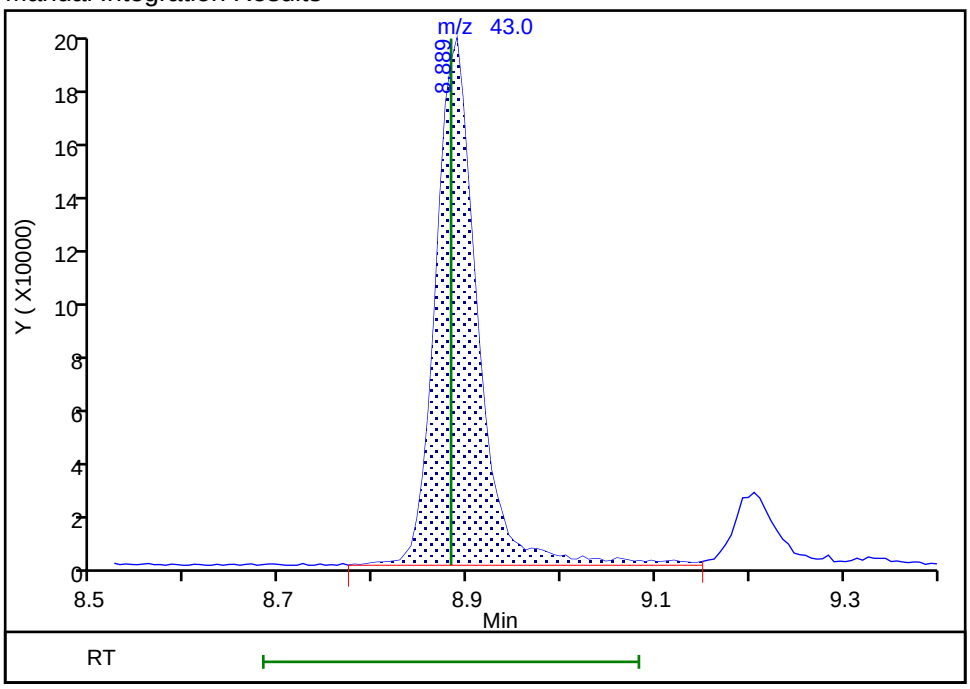
Not Detected
Expected RT: 8.88

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 618125
Amount: 352.5994
Amount Units: ng



Reviewer: journetp, 05-Nov-2020 11:53:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

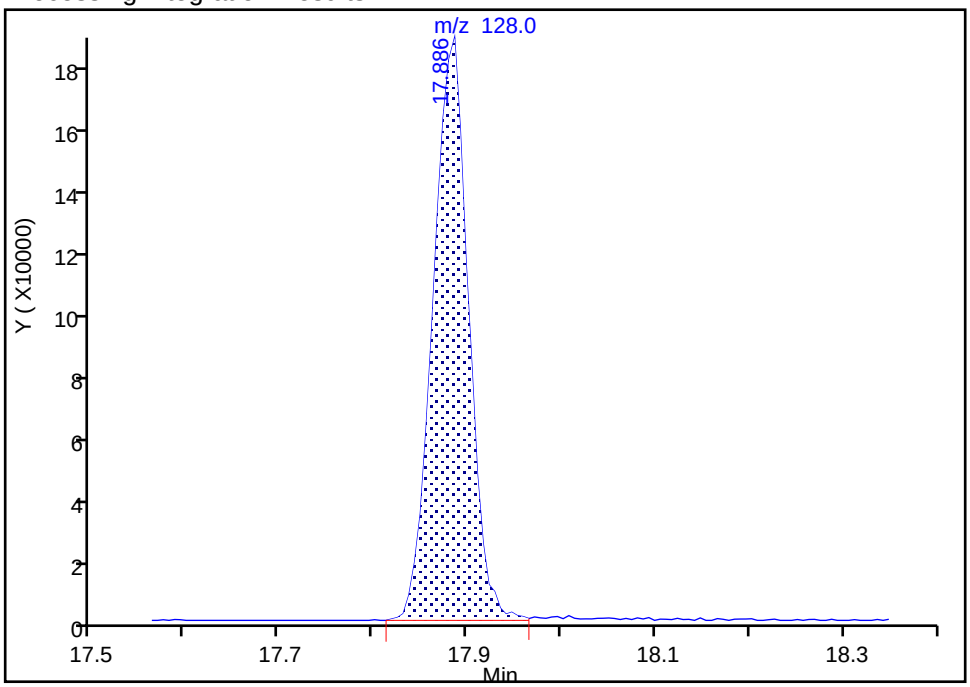
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110513.D				
Injection Date:	05-Nov-2020 12:15:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

124 Naphthalene, CAS: 91-20-3

Signal: 1

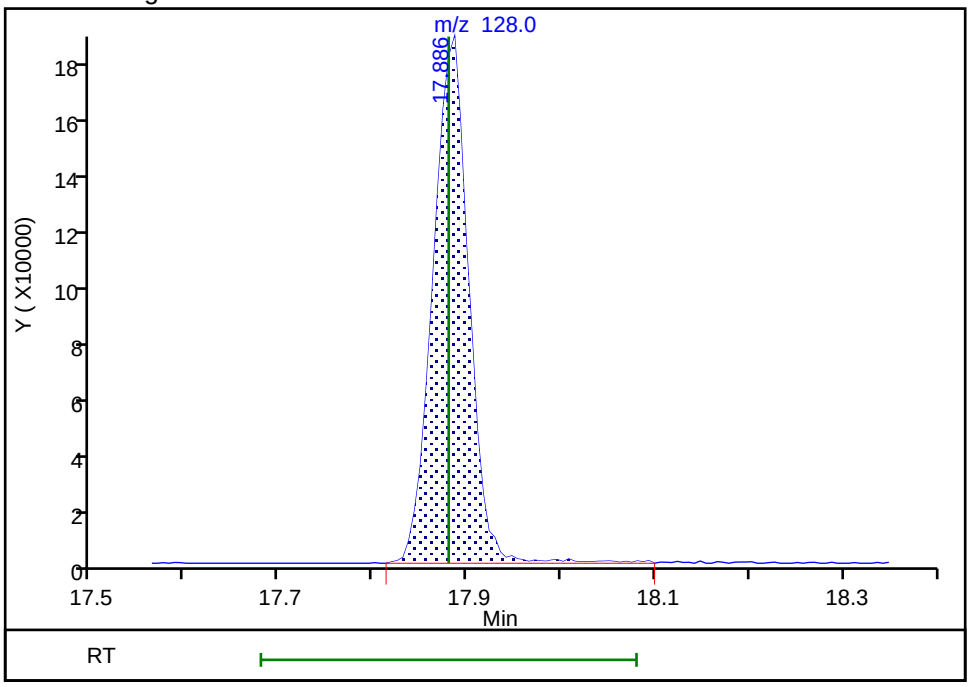
Processing Integration Results

RT: 17.89
Area: 482858
Amount: 174.2953
Amount Units: ng



Manual Integration Results

RT: 17.89
Area: 488279
Amount: 290.5301
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:29:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2020 12:42:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-014
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:33 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.312	7.319	-0.007	78	252760	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.172	-0.007	98	596785	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.244	-0.006	88	132184	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.629	-0.001	98	177614	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	511421	200.0	202.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	829657	200.0	211.1	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2324597	200.0	196.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	801286	200.0	203.8	
11 Dichlorodifluoromethane	85	3.419	3.419	0.000	100	872601	200.0	211.0	
12 Chloromethane	50	3.851	3.857	-0.006	100	1036786	200.0	212.7	
13 Vinyl chloride	62	4.131	4.137	-0.006	98	888095	200.0	218.4	
14 Butadiene	39	4.191	4.198	-0.007	93	1007668	200.0	214.7	
15 Bromomethane	94	4.824	4.837	-0.013	91	470832	200.0	212.0	
16 Chloroethane	64	5.098	5.105	-0.007	99	578080	200.0	208.8	
17 Dichlorofluoromethane	67	5.560	5.567	-0.007	98	1329027	200.0	205.9	
18 Trichlorofluoromethane	101	5.603	5.597	0.006	98	1192370	200.0	213.4	
20 Ethyl ether	59	6.114	6.120	-0.006	95	664453	200.0	226.7	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	579907	200.0	219.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	638062	200.0	207.9	
24 Acetone	43	6.594	6.595	-0.001	99	571930	400.0	454.0	
25 Iodomethane	142	6.740	6.741	-0.001	99	850385	200.0	218.2	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1752803	200.0	219.1	
30 Methyl acetate	43	7.075	7.069	0.006	99	1200806	400.0	452.3	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	90	388186	200.0	232.9	
31 Methylene Chloride	84	7.276	7.276	0.000	99	733511	200.0	213.0	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	94	647659	2000.0	2190.6	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	3285828	2000.0	2305.9	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	1959001	200.0	271.4	
34 trans-1,2-Dichloroethene	96	7.653	7.660	-0.007	94	722420	200.0	212.3	
36 Hexane	57	8.012	8.012	0.000	95	1195781	200.0	229.8	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	97	1402144	200.0	217.5	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	751617	400.0	398.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.918	8.919	-0.001	86	781917	200.0	216.5	
42 2,2-Dichloropropane	97	8.918	8.925	-0.007	92	174589	200.0	204.7	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	340592	200.0	212.1	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	54	494054	400.0	565.6	
50 Chloroform	83	9.283	9.284	-0.001	95	1265843	200.0	213.2	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1117814	200.0	220.8	
52 Cyclohexane	56	9.569	9.570	-0.001	93	1609731	200.0	258.3	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1024928	200.0	229.7	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	97	904067	200.0	222.0	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	91	619287	5000.0	5723.8	
56 Benzene	78	9.873	9.880	-0.007	98	3081445	200.0	222.8	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1143818	200.0	223.1	
59 n-Heptane	43	10.123	10.117	0.006	95	985227	200.0	268.0	
61 Trichloroethene	130	10.543	10.543	0.000	97	740156	200.0	224.3	
63 Methylcyclohexane	83	10.798	10.793	0.005	95	1257625	200.0	241.6	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	91	812076	200.0	221.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	96	160916	4000.0	5077.7	
67 Dibromomethane	93	10.914	10.908	0.006	97	385788	200.0	219.8	
68 Dichlorobromomethane	83	11.060	11.060	0.000	98	888638	200.0	231.5	
71 cis-1,3-Dichloropropene	75	11.492	11.492	0.000	92	1084120	200.0	287.7	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1523082	400.0	418.4	
73 Toluene	91	11.838	11.839	-0.001	98	3312951	200.0	223.4	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	80	845208	200.0	199.2	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	90	996294	200.0	253.9	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	95	603597	200.0	210.4	
77 Tetrachloroethene	164	12.368	12.368	0.000	95	587064	200.0	207.8	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1167354	200.0	221.2	
79 2-Hexanone	43	12.416	12.417	-0.001	97	1002573	400.0	417.2	
81 Chlorodibromomethane	129	12.654	12.654	0.000	91	550292	200.0	225.4	
82 Ethylene Dibromide	107	12.800	12.800	0.000	98	573575	200.0	219.6	
84 Chlorobenzene	112	13.274	13.275	-0.001	92	1944620	200.0	219.0	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1157170	200.0	229.0	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	94	628411	200.0	218.4	
88 m-Xylene & p-Xylene	106	13.463	13.463	0.000	100	1417879	200.0	213.3	
89 o-Xylene	106	13.858	13.865	-0.007	97	1347963	200.0	228.9	
90 Styrene	104	13.876	13.877	-0.001	95	2110939	200.0	213.3	
91 Bromoform	173	14.107	14.102	0.005	95	276152	200.0	246.9	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	3565423	200.0	223.4	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	675427	200.0	218.5	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	80	221189	200.0	288.7	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	85	247013	200.0	215.9	
95 Bromobenzene	156	14.600	14.601	-0.001	97	726350	200.0	226.4	
99 N-Propylbenzene	120	14.637	14.637	0.000	98	902068	200.0	242.9	
100 2-Chlorotoluene	126	14.771	14.771	0.000	95	721911	200.0	230.5	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	2666591	200.0	224.4	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	745803	200.0	232.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2406534	200.0	247.4	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	97	2649257	200.0	226.4	
108 sec-Butylbenzene	105	15.373	15.379	-0.006	94	2997535	200.0	247.1	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2392283	200.0	217.8	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	98	1278992	200.0	219.2	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1300467	200.0	219.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	98	1897302	200.0	261.4	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1153305	200.0	225.7	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	78220	200.0	242.9	
122 1,2,4-Trichlorobenzene	180	17.587	17.582	0.005	94	348851	200.0	268.1	
123 Hexachlorobutadiene	225	17.697	17.697	0.000	97	180552	200.0	272.4	
124 Naphthalene	128	17.885	17.880	0.005	97	829265	200.0	447.3	
125 1,2,3-Trichlorobenzene	180	18.110	18.105	0.005	94	232782	200.0	342.0	
S 130 1,2-Dichloroethene, Total	96				0		400.0	428.8	
S 131 Xylenes, Total	106				0		400.0	442.2	
S 154 Total BTEX	1				0		1000.0	1117.4	
S 132 1,3-Dichloropropene, Total	1				0		400.0	541.6	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	8.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	8.00	Units: uL
VOA8260SURR_00112	Amount Added:	8.00	Units: uL

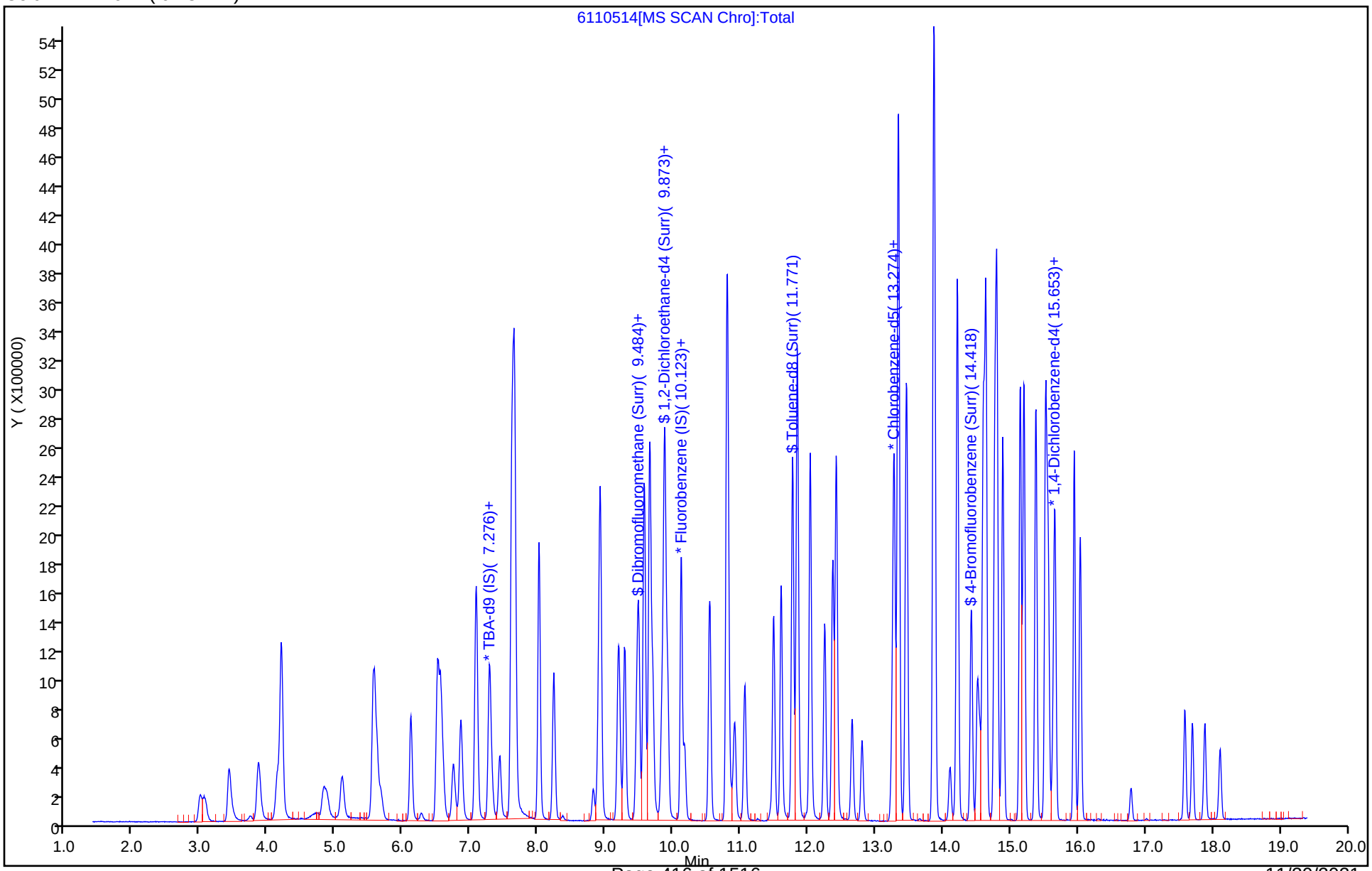
Report Date: 08-Nov-2020 13:31:37 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110514.D

Injection Date:	05-Nov-2020 12:42:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2020 13:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-015
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:42 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.318	7.319	-0.001	93	238315	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.171	10.172	-0.001	99	597851	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.243	13.244	-0.001	88	135295	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.634	15.629	0.005	92	182728	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.460	9.460	0.000	93	671299	250.0	265.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	97	1001784	250.0	254.4	
$ 7 Toluene-d8 (Surr)	98	11.771	11.772	-0.001	94	2969702	250.0	244.9	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.418	0.000	0	1058585	250.0	263.0	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	99	883329	250.0	213.2	
12 Chloromethane	50	3.863	3.857	0.006	99	1134366	250.0	232.3	
13 Vinyl chloride	62	4.136	4.137	-0.001	98	921287	250.0	226.2	
14 Butadiene	39	4.197	4.198	-0.001	92	968799	250.0	206.0	
15 Bromomethane	94	4.818	4.837	-0.019	91	525833	250.0	236.6	
16 Chloroethane	64	5.085	5.105	-0.020	99	619755	250.0	223.5	
17 Dichlorofluoromethane	67	5.554	5.567	-0.013	97	1518170	250.0	234.8	
18 Trichlorofluoromethane	101	5.590	5.597	-0.007	87	1223795	250.0	218.6	
20 Ethyl ether	59	6.114	6.120	-0.006	95	858517	250.0	292.4	
22 1,1-Dichloroethene	96	6.503	6.504	-0.001	93	598741	250.0	226.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	95	655389	250.0	213.1	
24 Acetone	43	6.588	6.595	-0.007	99	742709	500.0	588.5	
25 Iodomethane	142	6.740	6.741	-0.001	98	1001720	250.0	256.6	
26 Carbon disulfide	76	6.856	6.857	-0.001	100	1850851	250.0	230.9	
30 Methyl acetate	43	7.075	7.069	0.006	99	1552385	500.0	583.6	
29 3-Chloro-1-propene	76	7.087	7.082	0.005	89	431280	250.0	258.3	
31 Methylene Chloride	84	7.282	7.276	0.006	99	880652	250.0	256.2	
32 2-Methyl-2-propanol	59	7.434	7.434	0.000	96	840352	2500.0	3014.7	
33 Acrylonitrile	53	7.610	7.617	-0.007	100	4319686	2500.0	3026.1	
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	99	2517888	250.0	348.2	
34 trans-1,2-Dichloroethene	96	7.659	7.660	-0.001	94	786998	250.0	230.8	
36 Hexane	57	8.012	8.012	0.000	94	1217455	250.0	233.5	
37 1,1-Dichloroethane	63	8.231	8.231	0.000	96	1621674	250.0	251.2	
44 2-Butanone (MEK)	43	8.888	8.882	0.006	99	963829	500.0	504.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.912	8.919	-0.007	86	932012	250.0	257.6	
42 2,2-Dichloropropane	97	8.924	8.925	-0.001	92	197160	250.0	230.8	
48 Chlorobromomethane	128	9.186	9.180	0.006	93	418685	250.0	260.2	
49 Tetrahydrofuran	42	9.204	9.211	-0.007	45	649164	500.0	741.8	
50 Chloroform	83	9.283	9.284	-0.001	97	1501363	250.0	252.4	
51 1,1,1-Trichloroethane	97	9.490	9.491	-0.001	97	1192137	250.0	235.1	
52 Cyclohexane	56	9.575	9.570	0.005	93	1642460	250.0	263.0	
54 1,1-Dichloropropene	75	9.648	9.649	-0.001	93	1086528	250.0	243.1	
53 Carbon tetrachloride	117	9.660	9.661	-0.001	95	963658	250.0	236.2	
55 Isobutyl alcohol	41	9.697	9.698	-0.001	93	836215	6250.0	7714.9	
56 Benzene	78	9.873	9.880	-0.007	98	3568216	250.0	257.5	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	97	1414230	250.0	275.4	
59 n-Heptane	43	10.123	10.117	0.006	95	1001052	250.0	271.9	
61 Trichloroethene	130	10.542	10.543	-0.001	97	826397	250.0	250.0	
63 Methylcyclohexane	83	10.798	10.793	0.005	93	1303685	250.0	249.9	
64 1,2-Dichloropropane	63	10.816	10.811	0.005	92	982978	250.0	267.0	
65 1,4-Dioxane	88	10.865	10.859	0.006	98	211979	5000.0	6657.4	
67 Dibromomethane	93	10.907	10.908	-0.001	95	497257	250.0	282.8	
68 Dichlorobromomethane	83	11.059	11.060	-0.001	99	1099771	250.0	286.0	
71 cis-1,3-Dichloropropene	75	11.491	11.492	-0.001	92	1377526	250.0	364.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.601	11.602	-0.001	98	1964437	500.0	522.1	
73 Toluene	91	11.844	11.839	0.005	97	3814402	250.0	251.3	
75 Ethyl methacrylate	69	12.033	12.034	-0.001	90	1119374	250.0	236.4	
74 trans-1,3-Dichloropropene	75	12.033	12.040	-0.007	93	1275175	250.0	317.5	
76 1,1,2-Trichloroethane	97	12.246	12.247	0.000	94	775365	250.0	264.0	
77 Tetrachloroethene	164	12.361	12.368	-0.007	95	642453	250.0	222.2	
78 1,3-Dichloropropane	76	12.422	12.417	0.005	96	1488680	250.0	275.6	
79 2-Hexanone	43	12.416	12.417	-0.001	92	1292763	500.0	520.4	
81 Chlorodibromomethane	129	12.653	12.654	-0.001	90	712707	250.0	285.2	
82 Ethylene Dibromide	107	12.799	12.800	-0.001	99	744456	250.0	278.4	
84 Chlorobenzene	112	13.274	13.275	-0.001	93	2353188	250.0	258.9	
87 Ethylbenzene	106	13.335	13.342	-0.007	99	1322356	250.0	255.4	
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	93	769833	250.0	261.4	
88 m-Xylene & p-Xylene	106	13.456	13.463	-0.007	100	1642810	250.0	241.1	
89 o-Xylene	106	13.858	13.865	-0.007	98	1591685	250.0	263.4	
90 Styrene	104	13.876	13.877	-0.001	95	2573458	250.0	253.2	
91 Bromoform	173	14.107	14.102	0.005	95	365030	250.0	318.8	
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	4026784	250.0	246.3	
96 1,1,2,2-Tetrachloroethane	83	14.509	14.516	-0.007	96	864759	250.0	273.3	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.546	-0.001	70	293192	250.0	371.6	
98 1,2,3-Trichloropropane	110	14.594	14.595	-0.001	88	321244	250.0	272.9	
95 Bromobenzene	156	14.600	14.601	-0.001	98	895171	250.0	271.3	
99 N-Propylbenzene	120	14.637	14.637	0.000	99	1013082	250.0	264.9	
100 2-Chlorotoluene	126	14.764	14.771	-0.007	95	838635	250.0	260.3	
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	94	3070571	250.0	250.9	
103 4-Chlorotoluene	126	14.886	14.887	-0.001	99	873110	250.0	264.3	
104 tert-Butylbenzene	119	15.148	15.148	0.000	93	2743319	250.0	273.8	
106 1,2,4-Trimethylbenzene	105	15.202	15.203	-0.001	98	3106150	250.0	257.7	
108 sec-Butylbenzene	105	15.379	15.379	0.000	94	3345177	250.0	267.9	
110 4-Isopropyltoluene	119	15.519	15.526	-0.007	97	2712218	250.0	239.6	
109 1,3-Dichlorobenzene	146	15.555	15.556	-0.001	97	1534633	250.0	255.6	
111 1,4-Dichlorobenzene	146	15.659	15.659	0.000	93	1576970	250.0	258.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.944	15.945	-0.001	98	2135121	250.0	285.7	
117 1,2-Dichlorobenzene	146	16.036	16.037	0.000	96	1421657	250.0	270.4	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.785	-0.001	74	107380	250.0	324.2	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	94	426821	250.0	318.9	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	95	192694	250.0	282.6	
124 Naphthalene	128	17.879	17.880	-0.001	98	1091308	250.0	572.2	
125 1,2,3-Trichlorobenzene	180	18.104	18.105	-0.001	94	290995	250.0	415.5	
S 130 1,2-Dichloroethene, Total	96				0		500.0	488.4	
S 131 Xylenes, Total	106				0		500.0	504.5	
S 154 Total BTEX	1				0		1250.0	1268.7	
S 132 1,3-Dichloropropene, Total	1				0		500.0	682.4	

QC Flag Legend

Processing Flags

Reagents:

VOA8260INT_00112	Amount Added:	2.00	Units: uL
VOAKETPRI_00005	Amount Added:	10.00	Units: uL
VOA8260VOAPRi_00429	Amount Added:	10.00	Units: uL
VOA8260SURR_00112	Amount Added:	10.00	Units: uL

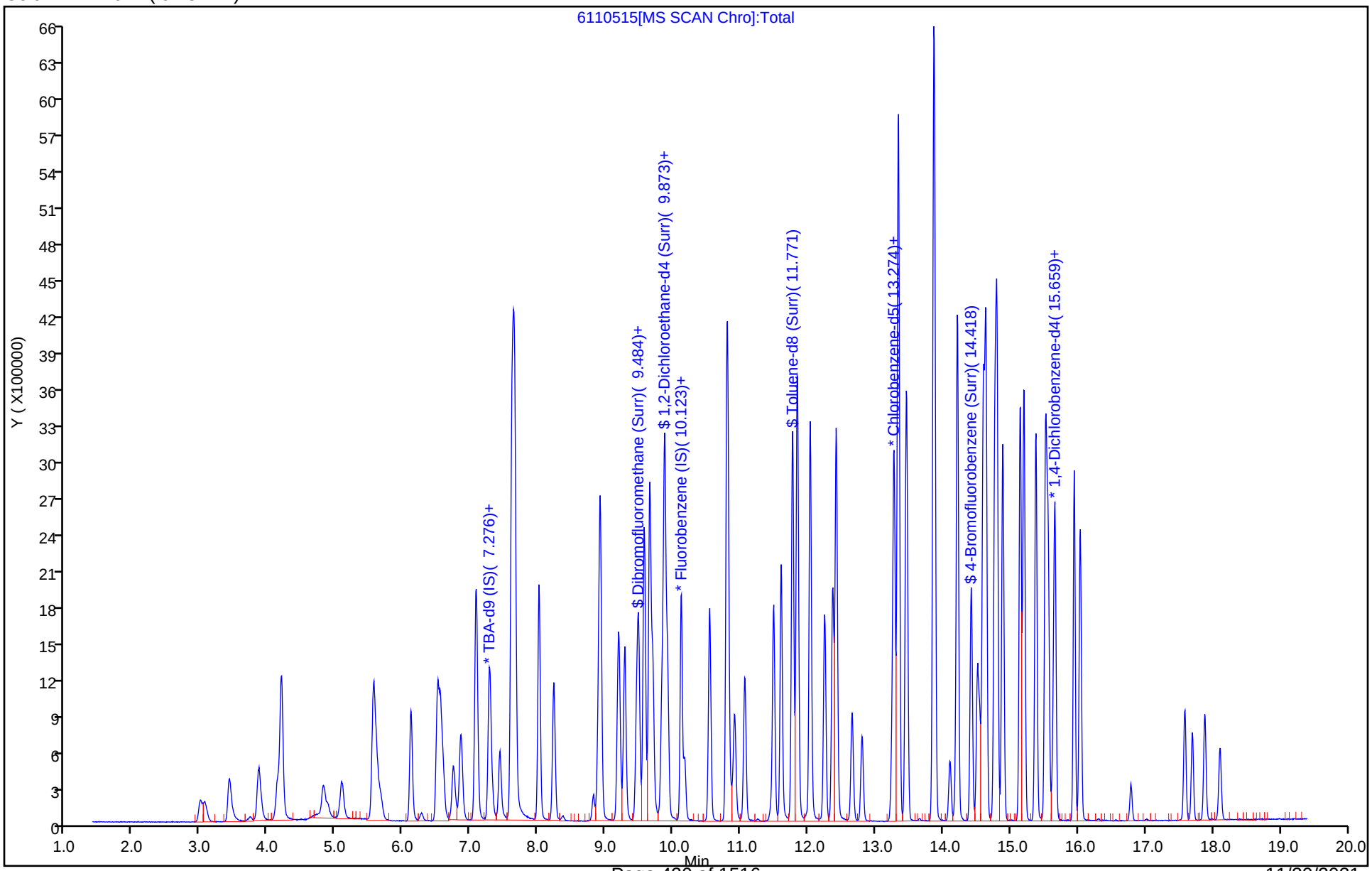
Report Date: 08-Nov-2020 13:31:46 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110515.D

Injection Date:	05-Nov-2020 13:09:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2020 18:41:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-025
Operator ID: 034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub123

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 08-Nov-2020 13:31:51 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1684

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.319	-0.006	90	153503	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.172	10.172	0.000	98	399089	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.244	0.000	91	78244	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.635	15.629	0.006	97	91017	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.466	9.460	0.006	89	14705	5.00	8.70	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.837	9.831	0.006	83	24566	5.00	9.35	
$ 7 Toluene-d8 (Surr)	98	11.766	11.772	-0.006	95	45718	5.00	6.52	
$ 8 4-Bromofluorobenzene (Surr)	95	14.424	14.418	0.006	0	13827	5.00	5.94	
11 Dichlorodifluoromethane	85	3.425	3.419	0.006	88	15100	5.00	5.46	M
12 Chloromethane	50	3.863	3.857	0.006	67	18021	5.00	5.53	M
13 Vinyl chloride	62	4.155	4.137	0.018	31	14342	5.00	5.27	M
14 Butadiene	39	4.192	4.198	-0.006	96	22306	5.00	5.03	M
15 Bromomethane	94	4.873	4.837	0.036	36	9885	5.00	4.24	M
16 Chloroethane	64	5.086	5.105	-0.019	57	11007	5.00	5.95	
17 Dichlorofluoromethane	67	5.561	5.567	-0.006	96	24299	5.00	5.63	
18 Trichlorofluoromethane	101	5.591	5.597	-0.006	79	20380	5.00	5.45	
20 Ethyl ether	59	6.108	6.120	-0.012	96	9870	5.00	5.04	
22 1,1-Dichloroethene	96	6.497	6.504	-0.007	91	9528	5.00	5.39	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.552	6.558	-0.006	74	12537	5.00	6.11	
24 Acetone	43	6.601	6.595	0.006	89	15200	25.0	18.0	
25 Iodomethane	142	6.747	6.741	0.006	97	13221	5.00	5.07	
26 Carbon disulfide	76	6.850	6.857	-0.007	98	29575	5.00	5.53	M
30 Methyl acetate	43	7.069	7.069	0.000	95	17788	10.0	10.0	M
29 3-Chloro-1-propene	76	7.081	7.082	-0.001	91	5735	5.00	5.14	
31 Methylene Chloride	84	7.282	7.276	0.006	95	24279	5.00	5.93	
32 2-Methyl-2-propanol	59	7.428	7.434	-0.006	89	7780	50.0	43.3	
33 Acrylonitrile	53	7.623	7.617	0.006	98	46376	50.0	48.7	M
35 Methyl tert-butyl ether	73	7.641	7.641	0.000	94	22607	5.00	4.68	
34 trans-1,2-Dichloroethene	96	7.665	7.660	0.005	91	13973	5.00	6.14	
36 Hexane	57	8.012	8.012	0.000	95	15606	5.00	4.48	
37 1,1-Dichloroethane	63	8.237	8.231	0.006	85	23812	5.00	5.52	M
44 2-Butanone (MEK)	43	8.900	8.882	0.018	97	13993	25.0	28.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
43 cis-1,2-Dichloroethene	96	8.919	8.919	0.000	88	14197	5.00	5.88	
42 2,2-Dichloropropane	97	8.937	8.925	0.012	88	3995	5.00	7.01	M
48 Chlorobromomethane	128	9.198	9.180	0.018	92	7039	5.00	6.55	
49 Tetrahydrofuran	42	9.217	9.211	0.006	42	5800	10.0	9.93	
50 Chloroform	83	9.271	9.284	-0.013	73	23020	5.00	5.80	M
51 1,1,1-Trichloroethane	97	9.484	9.491	-0.007	93	18558	5.00	5.48	
52 Cyclohexane	56	9.570	9.570	0.000	92	16756	5.00	4.02	
54 1,1-Dichloropropene	75	9.643	9.649	-0.006	84	12438	5.00	4.17	
53 Carbon tetrachloride	117	9.661	9.661	0.000	95	14422	5.00	5.30	M
55 Isobutyl alcohol	41	9.697	9.698	-0.001	23	6302	125.0	87.1	
56 Benzene	78	9.874	9.880	-0.006	96	44151	5.00	4.77	
57 1,2-Dichloroethane	62	9.916	9.917	-0.001	98	17919	5.00	5.23	
59 n-Heptane	43	10.111	10.117	-0.006	68	9622	5.00	3.91	
61 Trichloroethene	130	10.537	10.543	-0.006	94	11858	5.00	5.37	
63 Methylcyclohexane	83	10.792	10.793	-0.001	83	13582	5.00	5.28	
64 1,2-Dichloropropane	63	10.811	10.811	0.000	73	12607	5.00	5.13	
65 1,4-Dioxane	88	10.865	10.859	0.006	44	1282	100.0	122.4	
67 Dibromomethane	93	10.920	10.908	0.012	92	6515	5.00	5.55	
68 Dichlorobromomethane	83	11.054	11.060	-0.006	94	12293	5.00	4.79	
71 cis-1,3-Dichloropropene	75	11.486	11.492	-0.006	90	11209	5.00	4.45	
72 4-Methyl-2-pentanone (MIBK)	43	11.608	11.602	0.006	94	11808	25.0	24.8	
73 Toluene	91	11.839	11.839	0.000	97	35382	5.00	4.03	
75 Ethyl methacrylate	69	12.039	12.034	0.005	60	5124	5.00	5.58	M
74 trans-1,3-Dichloropropene	75	12.039	12.040	-0.001	92	9921	5.00	4.27	
76 1,1,2-Trichloroethane	97	12.252	12.247	0.006	93	9031	5.00	5.32	
77 Tetrachloroethene	164	12.362	12.368	-0.006	92	8280	5.00	4.95	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	97	13613	5.00	4.36	
79 2-Hexanone	43	12.417	12.417	0.000	51	7721	25.0	25.0	M
81 Chlorodibromomethane	129	12.660	12.654	0.006	82	7582	5.00	5.25	
82 Ethylene Dibromide	107	12.806	12.800	0.006	42	8467	5.00	5.48	
84 Chlorobenzene	112	13.280	13.275	0.005	92	24074	5.00	4.58	
87 Ethylbenzene	106	13.341	13.342	-0.001	97	9877	5.00	5.35	M
86 1,1,1,2-Tetrachloroethane	131	13.341	13.342	-0.001	50	8640	5.00	5.07	
88 m-Xylene & p-Xylene	106	13.457	13.463	-0.006	97	11890	5.00	5.89	M
89 o-Xylene	106	13.858	13.865	-0.007	95	10516	5.00	7.04	
90 Styrene	104	13.883	13.877	0.006	82	13582	5.00	6.60	
91 Bromoform	173	14.096	14.102	-0.006	37	3513	5.00	5.31	M
93 Isopropylbenzene	105	14.211	14.218	-0.007	96	24744	5.00	5.13	
96 1,1,2,2-Tetrachloroethane	83	14.522	14.516	0.006	92	8747	5.00	4.78	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.546	-0.012	1	1691	5.00	5.45	M
98 1,2,3-Trichloropropane	110	14.588	14.595	-0.007	64	3283	5.00	5.60	
95 Bromobenzene	156	14.607	14.601	0.006	89	7521	5.00	4.58	M
99 N-Propylbenzene	120	14.631	14.637	-0.006	97	4800	5.00	5.02	M
100 2-Chlorotoluene	126	14.777	14.771	0.006	94	6566	5.00	4.09	M
102 1,3,5-Trimethylbenzene	105	14.801	14.802	-0.001	93	15922	5.00	5.12	M
103 4-Chlorotoluene	126	14.874	14.887	-0.013	96	6354	5.00	3.86	M
104 tert-Butylbenzene	119	15.142	15.148	-0.006	94	14657	5.00	5.03	
106 1,2,4-Trimethylbenzene	105	15.197	15.203	-0.006	96	15223	5.00	5.15	
108 sec-Butylbenzene	105	15.379	15.379	0.000	93	18392	5.00	5.04	
110 4-Isopropyltoluene	119	15.525	15.526	-0.001	97	14002	5.00	6.44	
109 1,3-Dichlorobenzene	146	15.556	15.556	0.000	95	14897	5.00	4.98	
111 1,4-Dichlorobenzene	146	15.671	15.659	0.012	72	15882	5.00	5.23	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
116 n-Butylbenzene	91	15.945	15.945	0.000	97	11580	5.00	5.39	
117 1,2-Dichlorobenzene	146	16.042	16.037	0.006	93	11370	5.00	4.34	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.785	0.000	1	778	5.00	4.72	
122 1,2,4-Trichlorobenzene	180	17.588	17.582	0.006	16	3493	5.00	5.24	
123 Hexachlorobutadiene	225	17.703	17.697	0.006	83	2681	5.00	5.03	
124 Naphthalene	128	17.886	17.880	0.006	1	2810	5.00	2.96	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	1	1353	5.00	3.88	
S 130 1,2-Dichloroethene, Total	96				0		10.0	12.0	
S 131 Xylenes, Total	106				0		10.0	12.9	
S 154 Total BTEX	1				0		25.0	27.1	
S 132 1,3-Dichloropropene, Total	1				0		10.0	8.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VOA8260VOAPRi_00429	Amount Added:	0.20	Units: uL
VOAKETPRI_00005	Amount Added:	0.80	Units: uL
VOA8260SURR_00112	Amount Added:	0.20	Units: uL
VOA8260INT_00112	Amount Added:	2.00	Units: uL

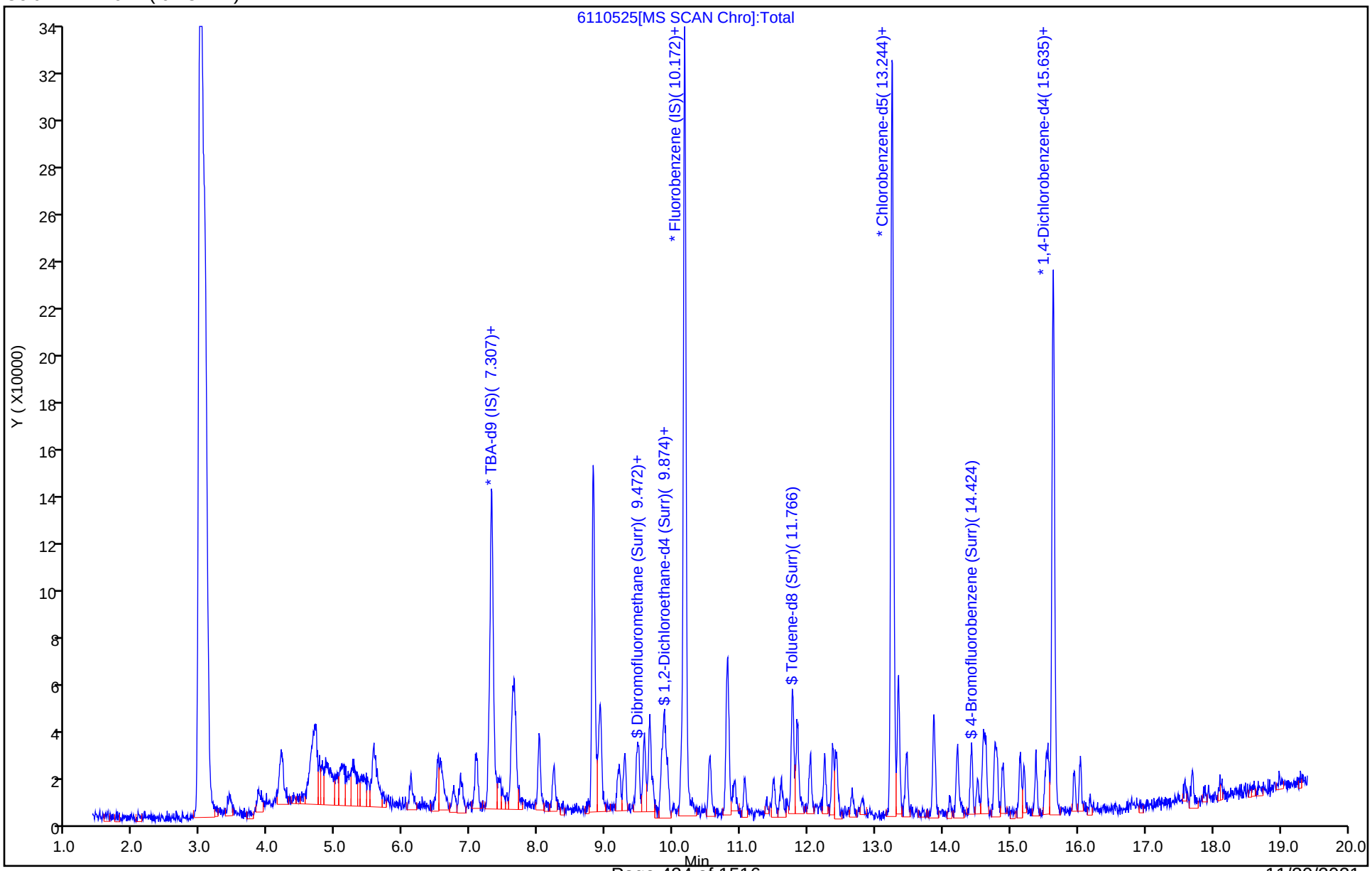
Report Date: 08-Nov-2020 13:31:56 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	IC			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

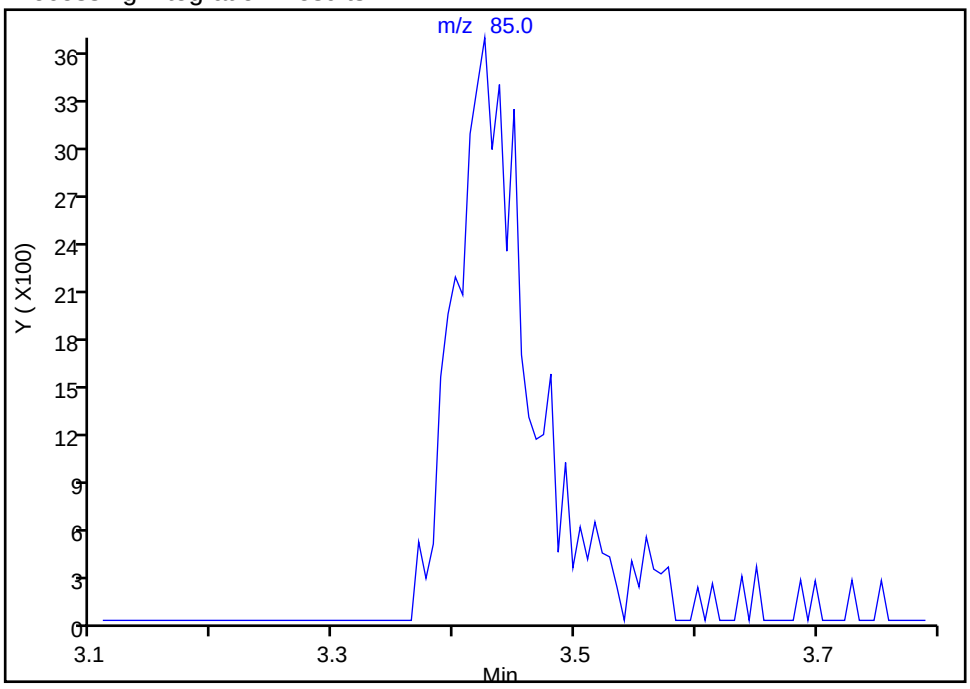
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

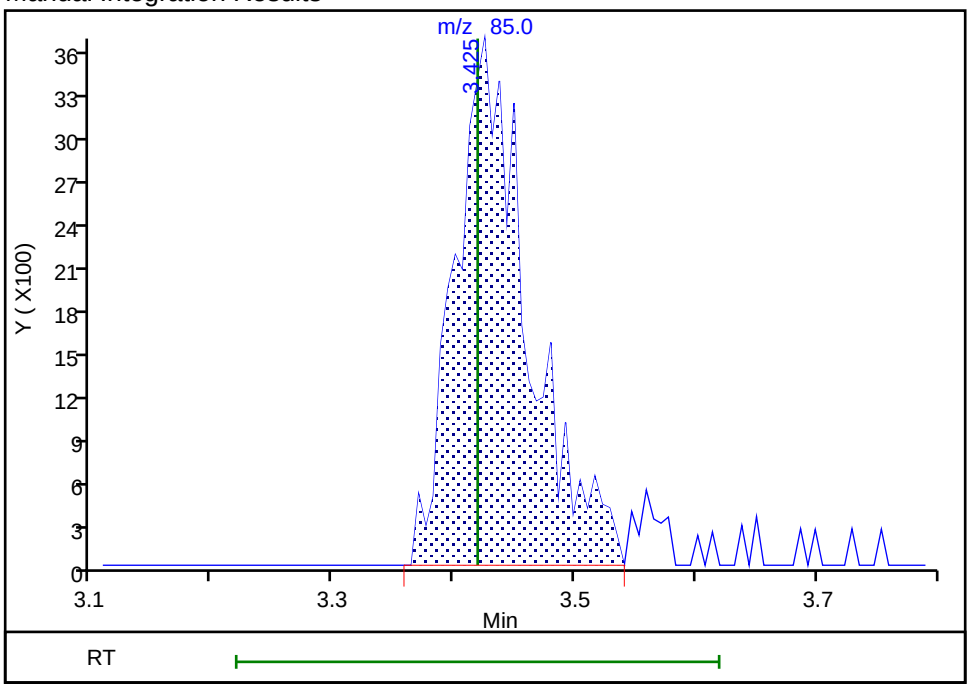
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 15100
Amount: 5.460628
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

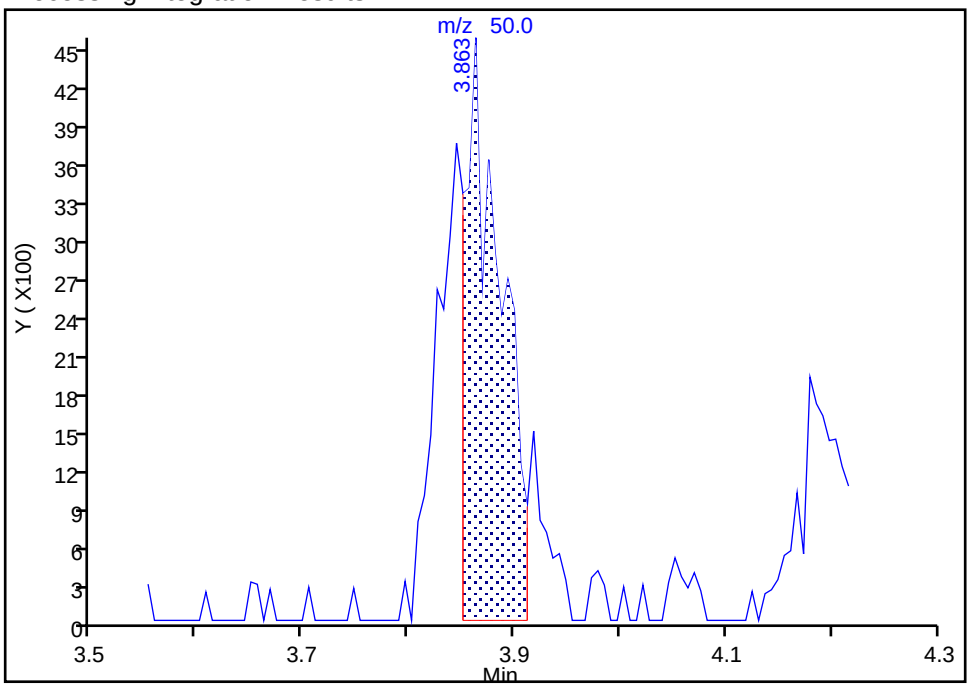
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

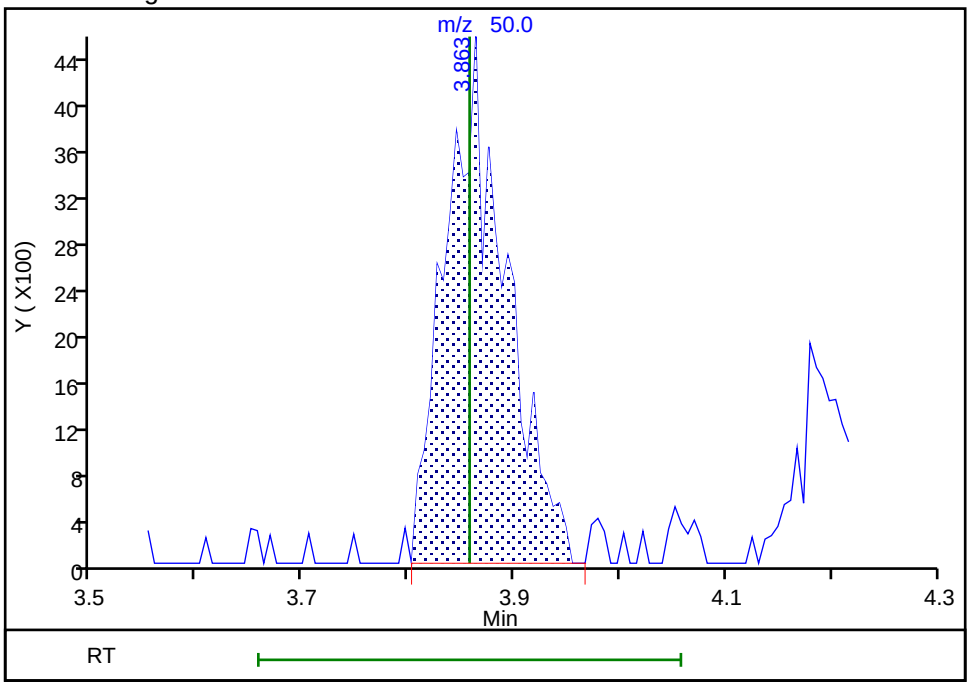
Processing Integration Results

RT: 3.86
Area: 10957
Amount: 0.389563
Amount Units: ng



Manual Integration Results

RT: 3.86
Area: 18021
Amount: 5.527195
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

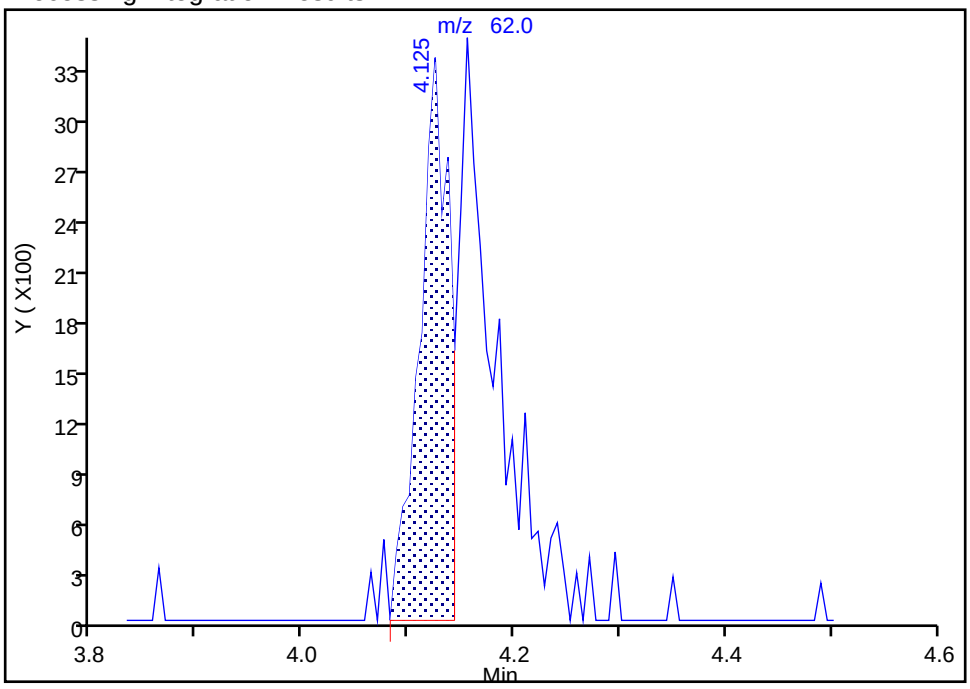
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

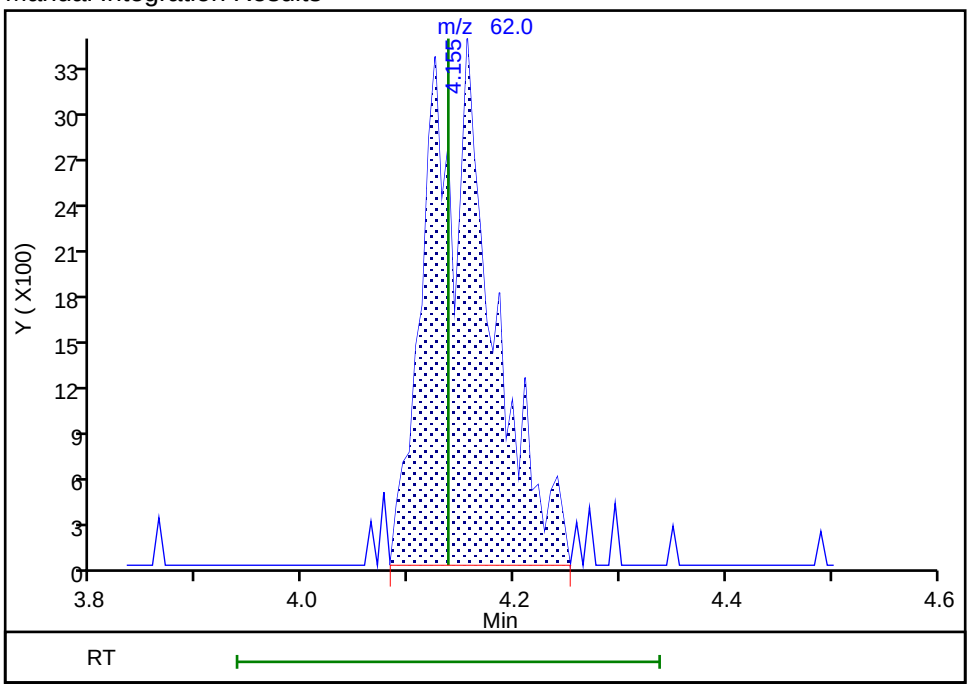
Processing Integration Results

RT: 4.12
Area: 6446
Amount: 0.272857
Amount Units: ng



Manual Integration Results

RT: 4.16
Area: 14342
Amount: 5.274053
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:09:56

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

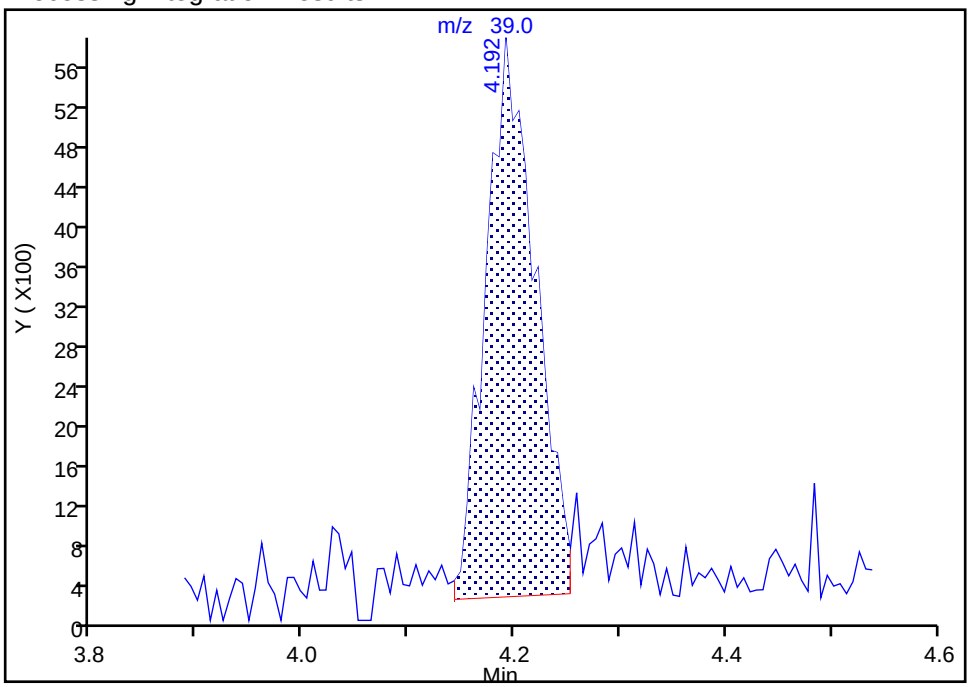
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Signal: 1

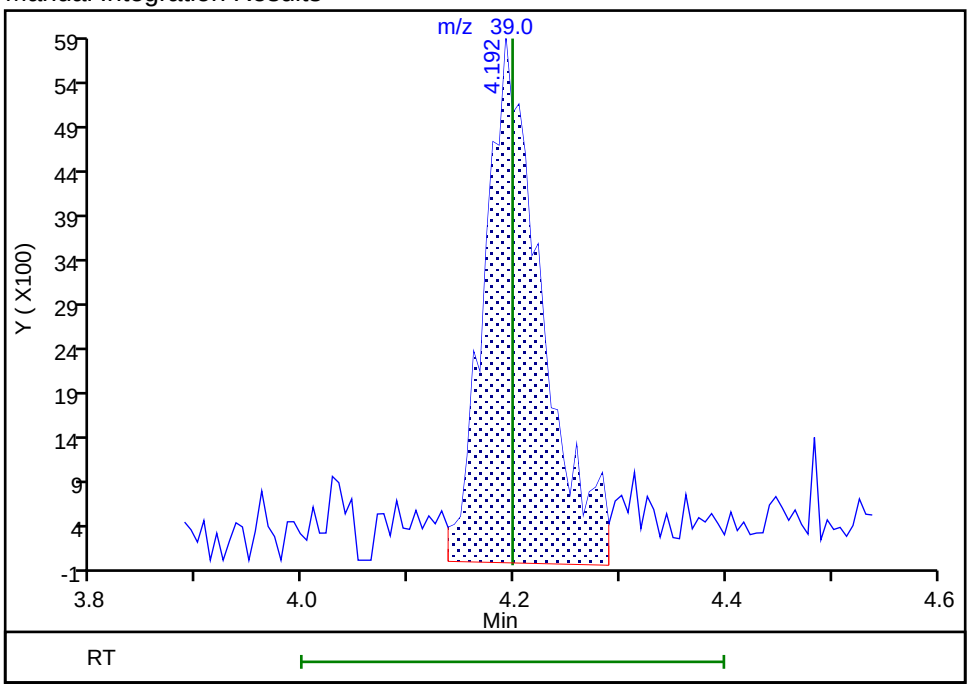
Processing Integration Results

RT: 4.19
Area: 18432
Amount: 0.677579
Amount Units: ng



Manual Integration Results

RT: 4.19
Area: 22306
Amount: 5.030336
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

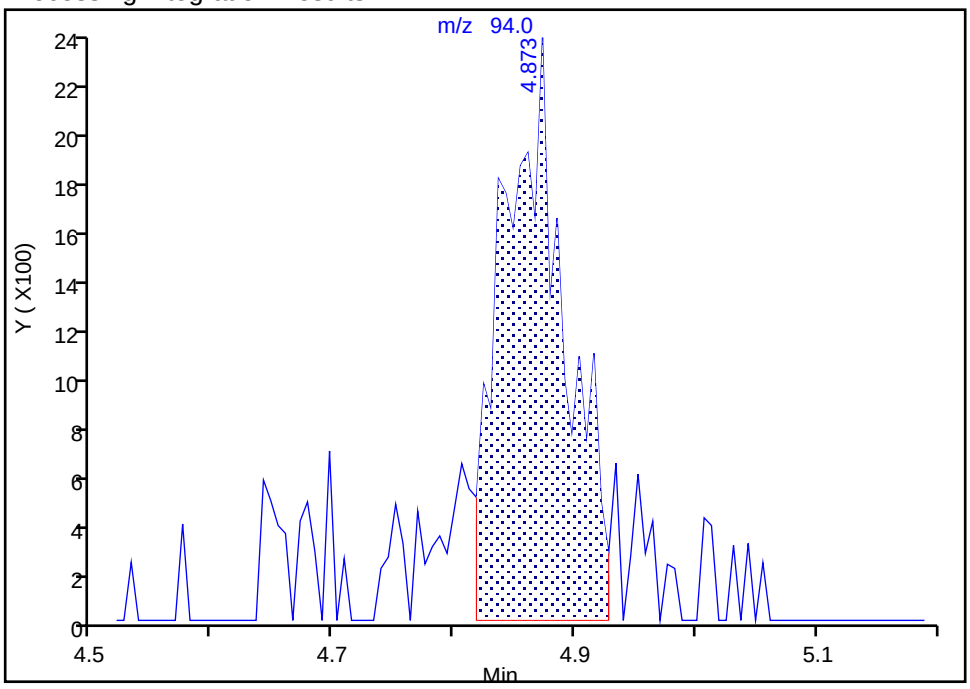
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

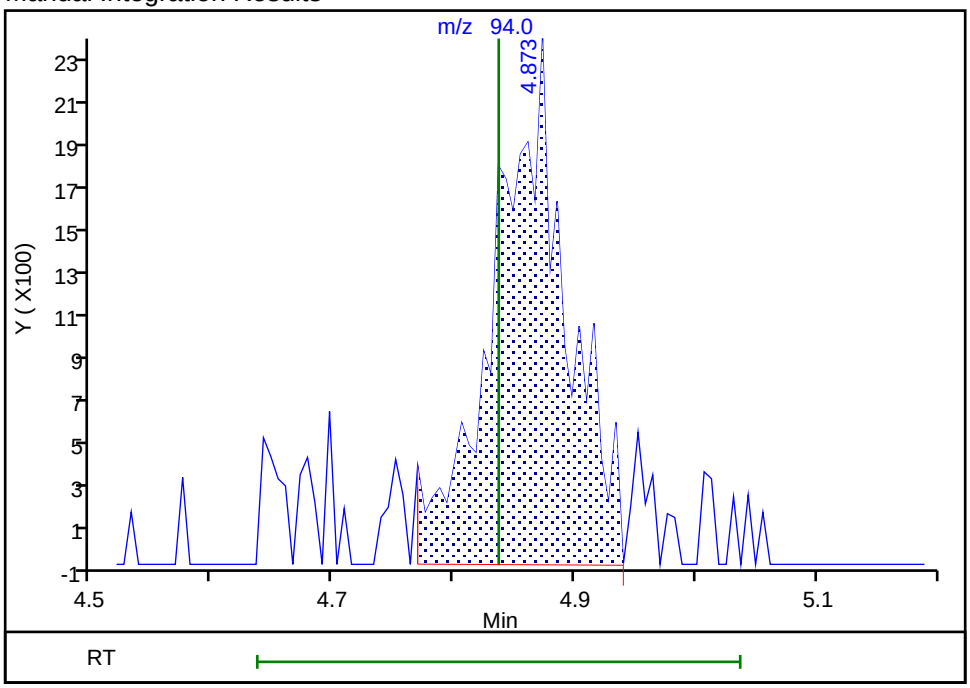
Processing Integration Results

RT: 4.87
Area: 8477
Amount: 3.597116
Amount Units: ng



Manual Integration Results

RT: 4.87
Area: 9885
Amount: 4.241947
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:18:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

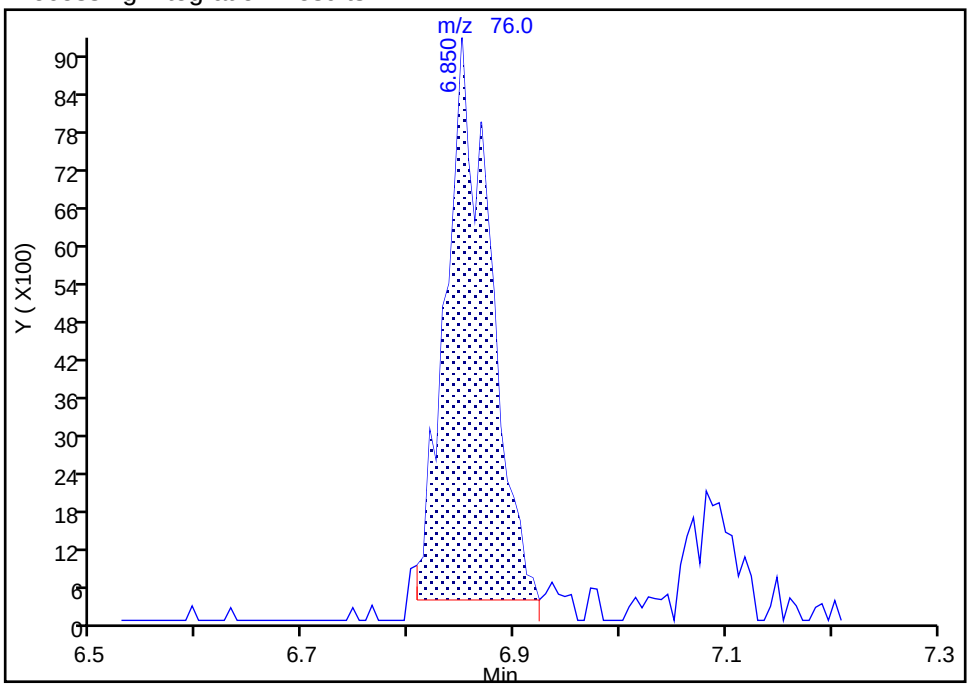
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

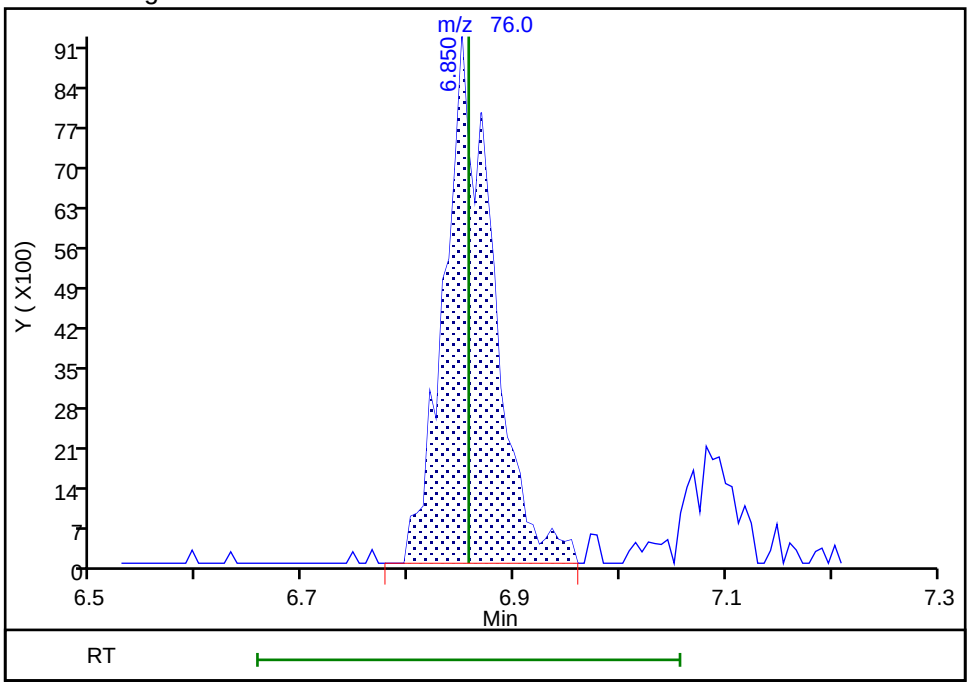
Processing Integration Results

RT: 6.85
Area: 26084
Amount: 0.564958
Amount Units: ng



Manual Integration Results

RT: 6.85
Area: 29575
Amount: 5.528208
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

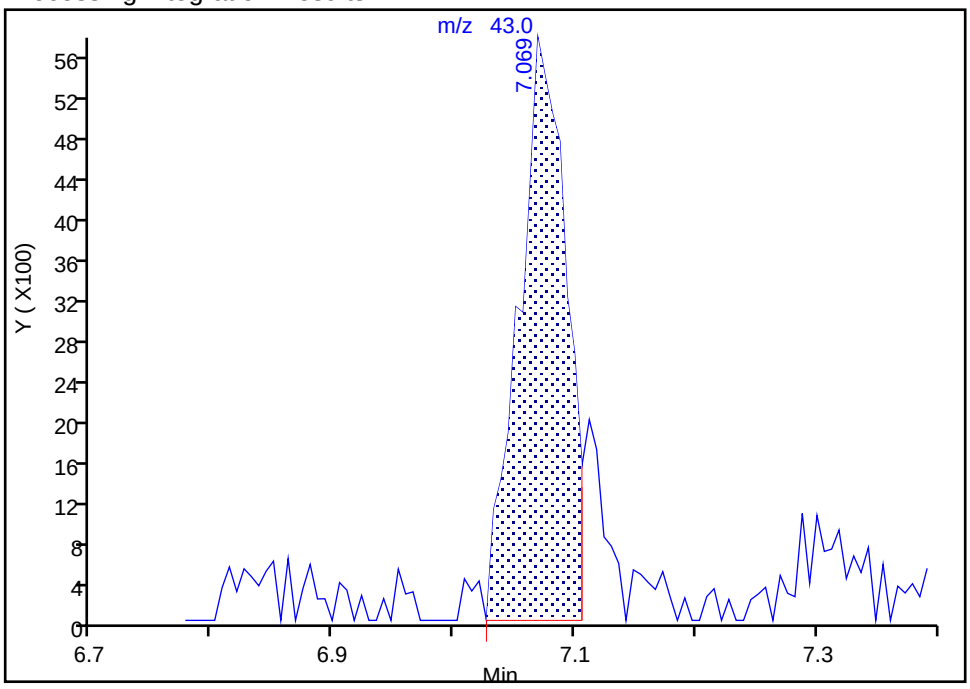
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

Signal: 1

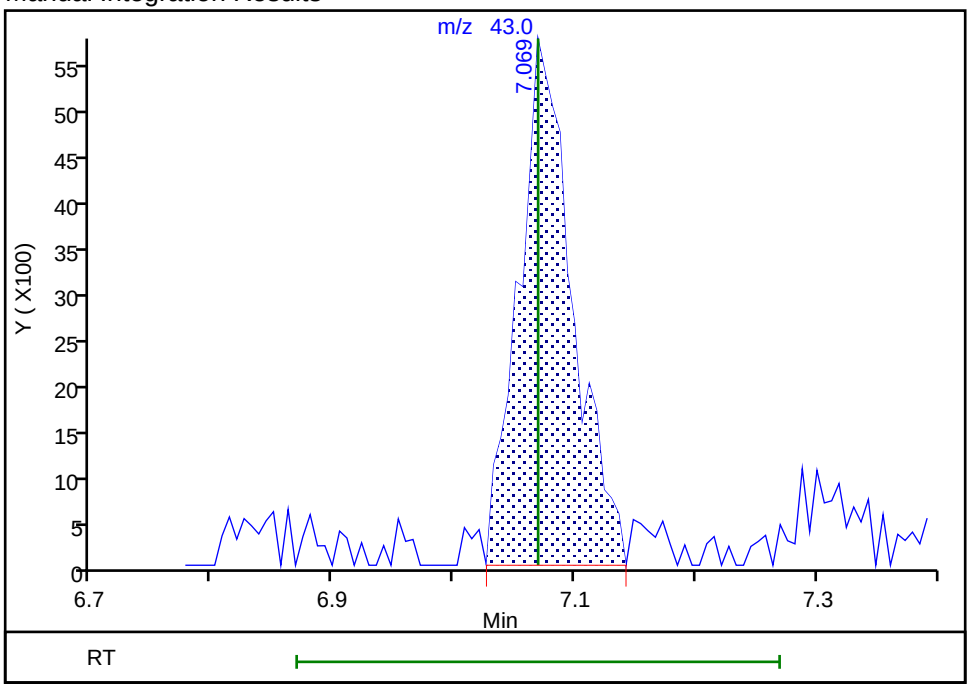
Processing Integration Results

RT: 7.07
Area: 15679
Amount: 1.008185
Amount Units: ng



Manual Integration Results

RT: 7.07
Area: 17788
Amount: 10.018241
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

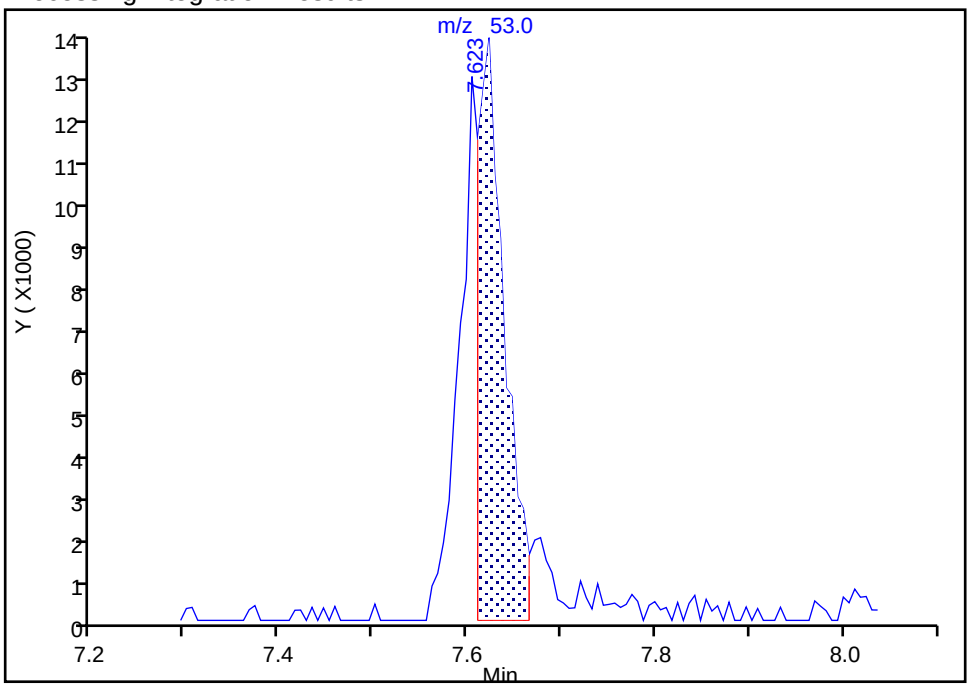
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

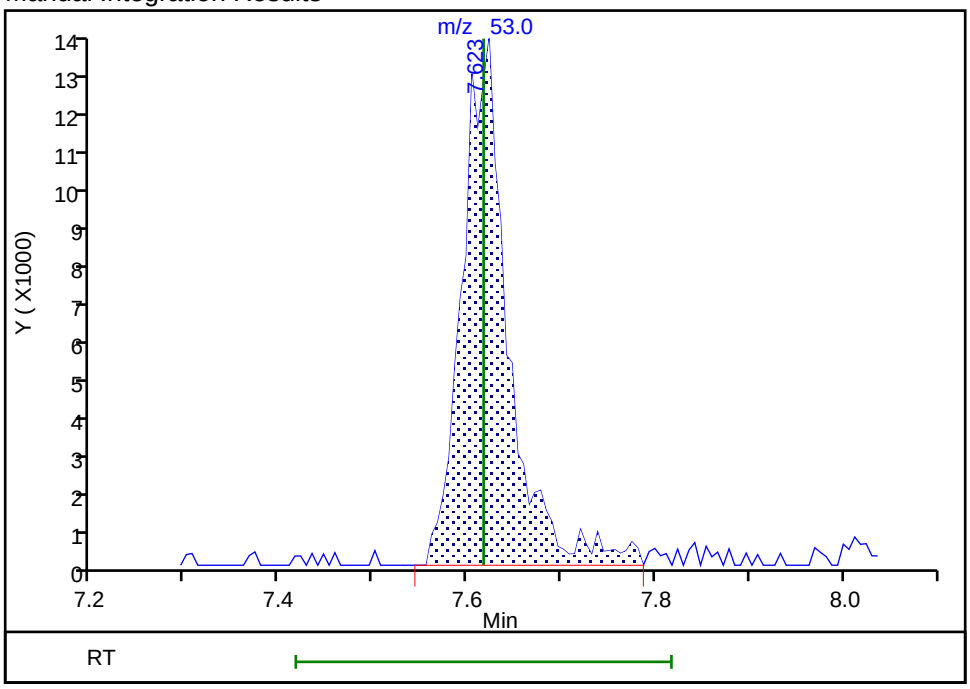
Processing Integration Results

RT: 7.62
Area: 27170
Amount: 3.243631
Amount Units: ng



Manual Integration Results

RT: 7.62
Area: 46376
Amount: 48.668164
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

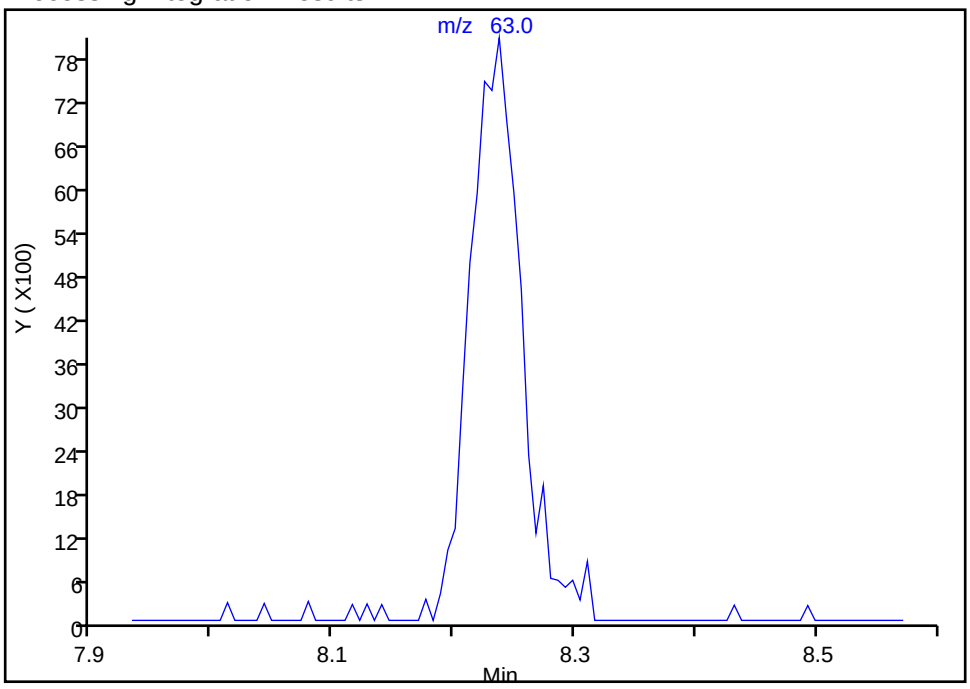
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

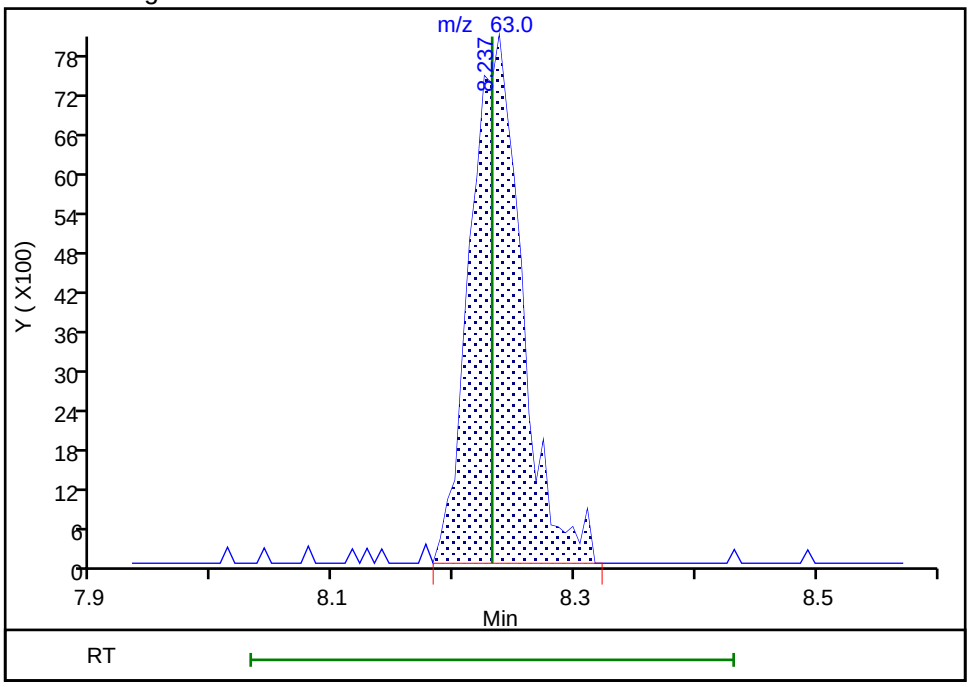
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 23812
Amount: 5.524621
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

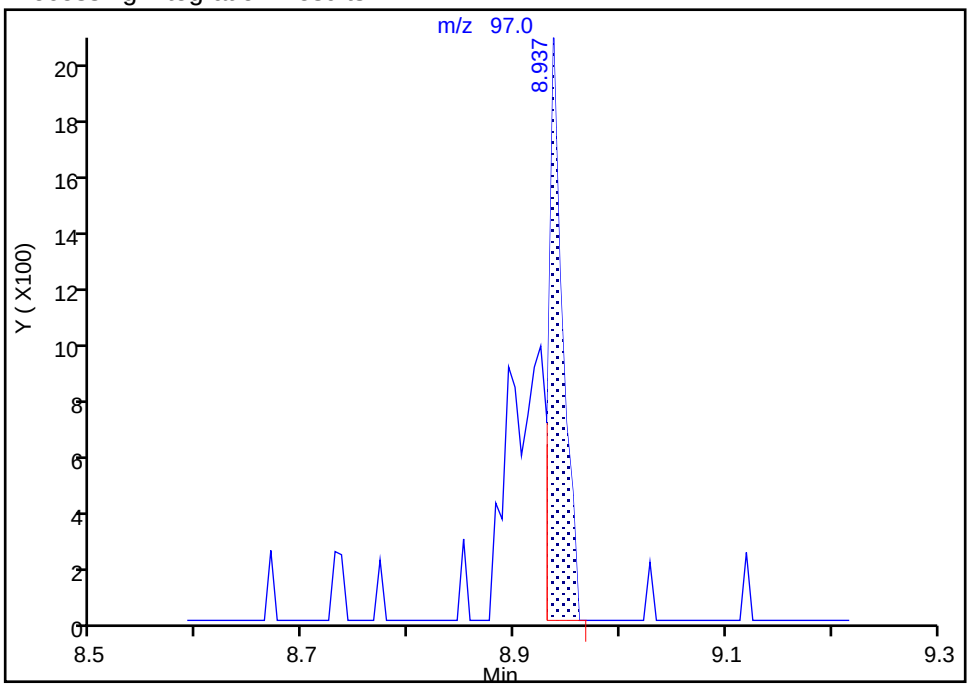
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

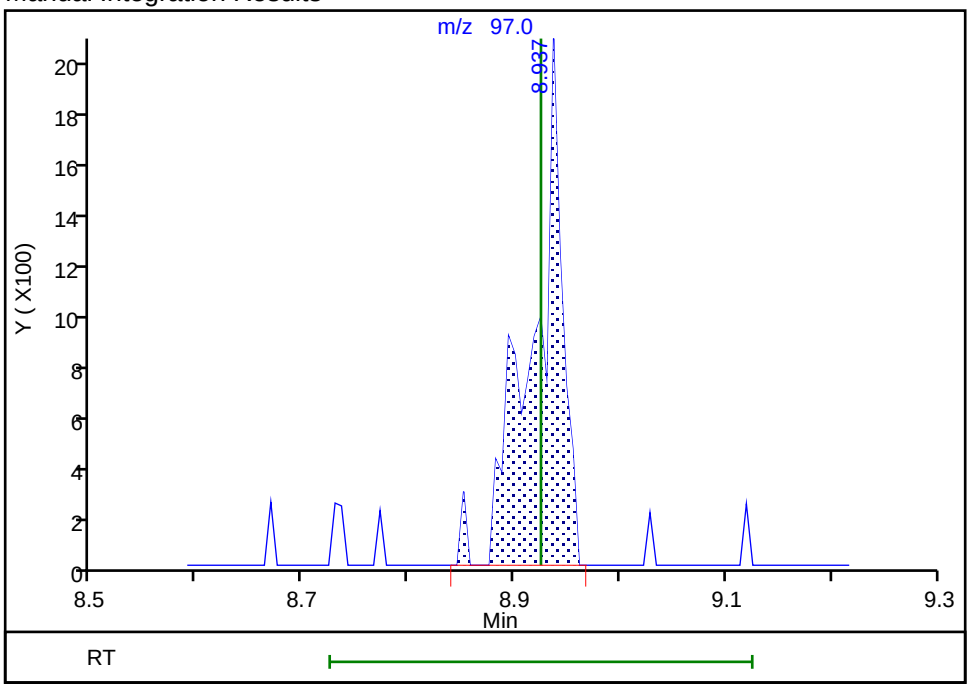
Processing Integration Results

RT: 8.94
Area: 1851
Amount: 0.393139
Amount Units: ng



Manual Integration Results

RT: 8.94
Area: 3995
Amount: 7.005843
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

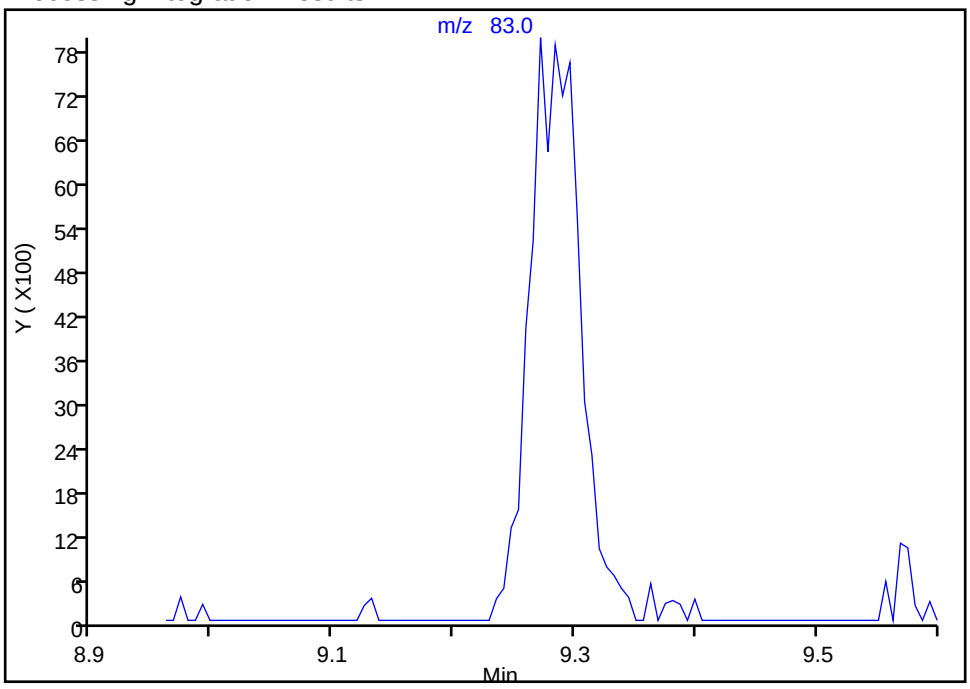
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

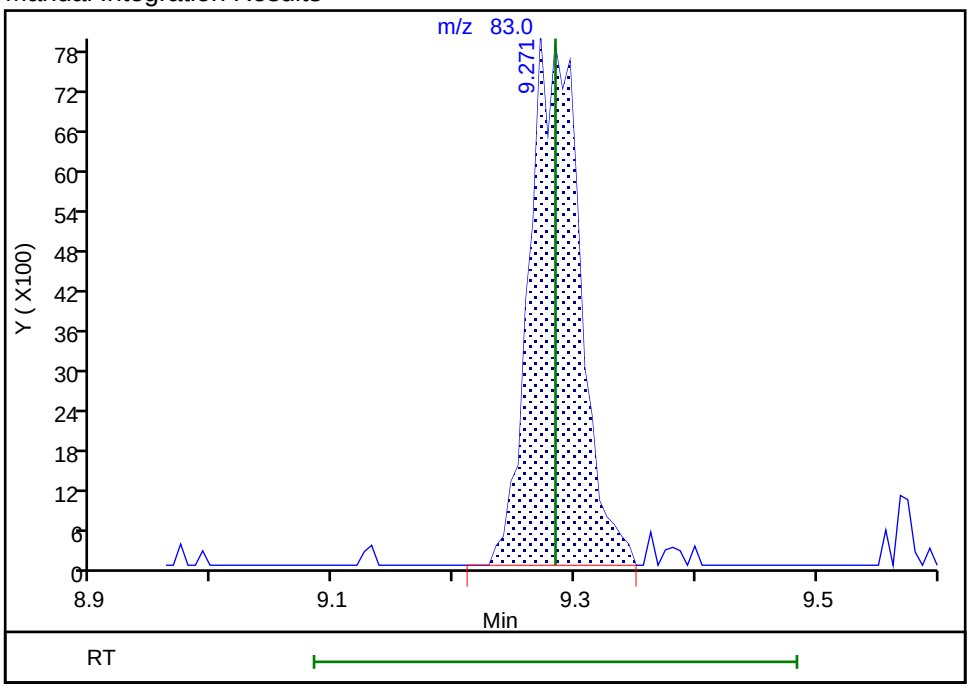
Not Detected
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.27
Area: 23020
Amount: 5.797946
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:10:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

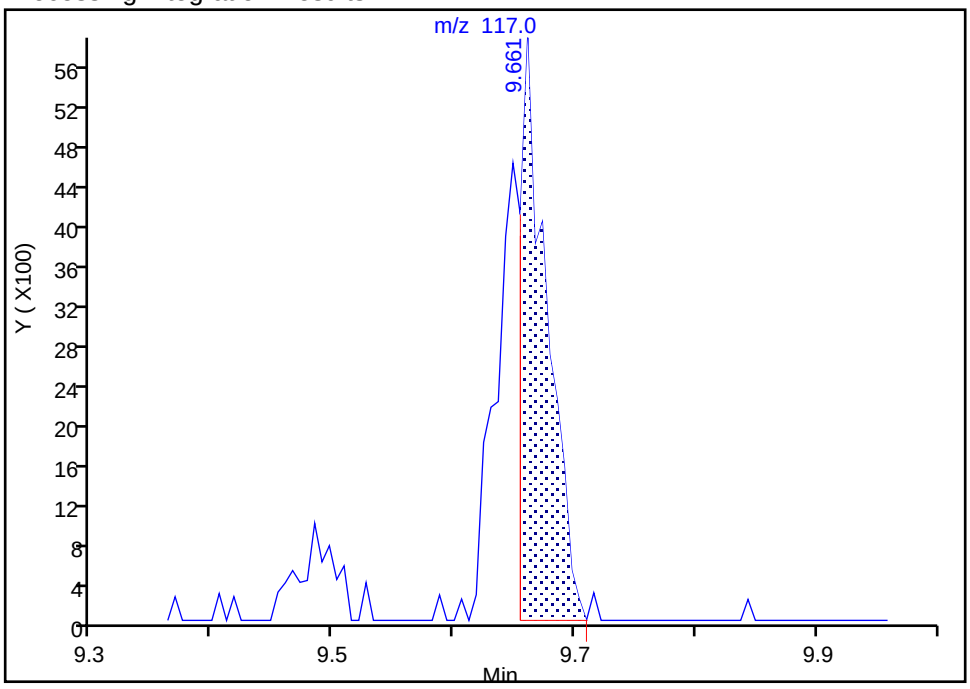
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

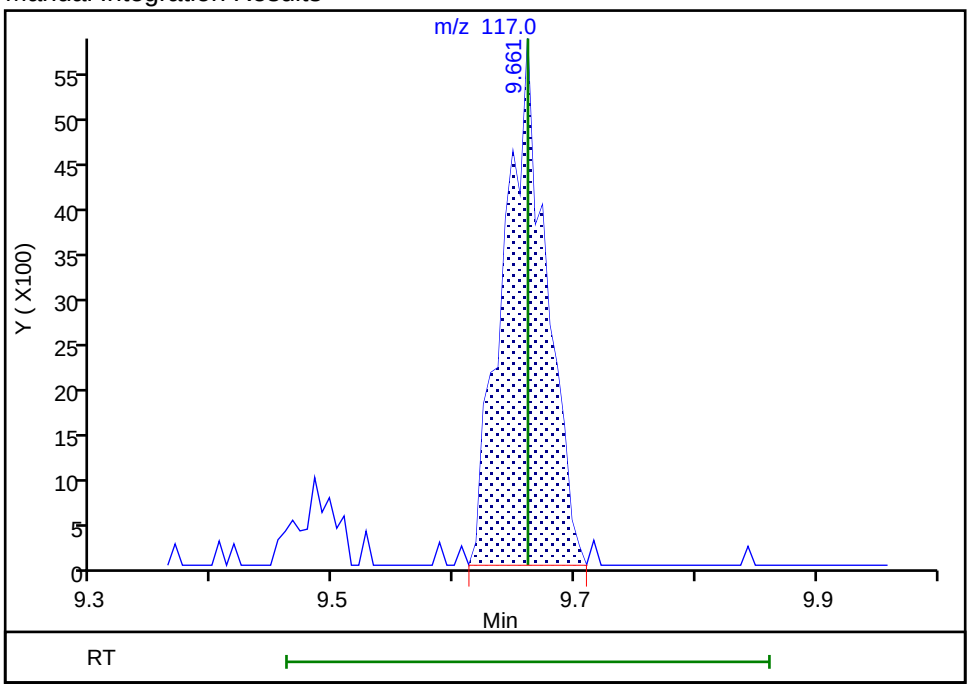
Processing Integration Results

RT: 9.66
Area: 9032
Amount: 0.381879
Amount Units: ng



Manual Integration Results

RT: 9.66
Area: 14422
Amount: 5.295505
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

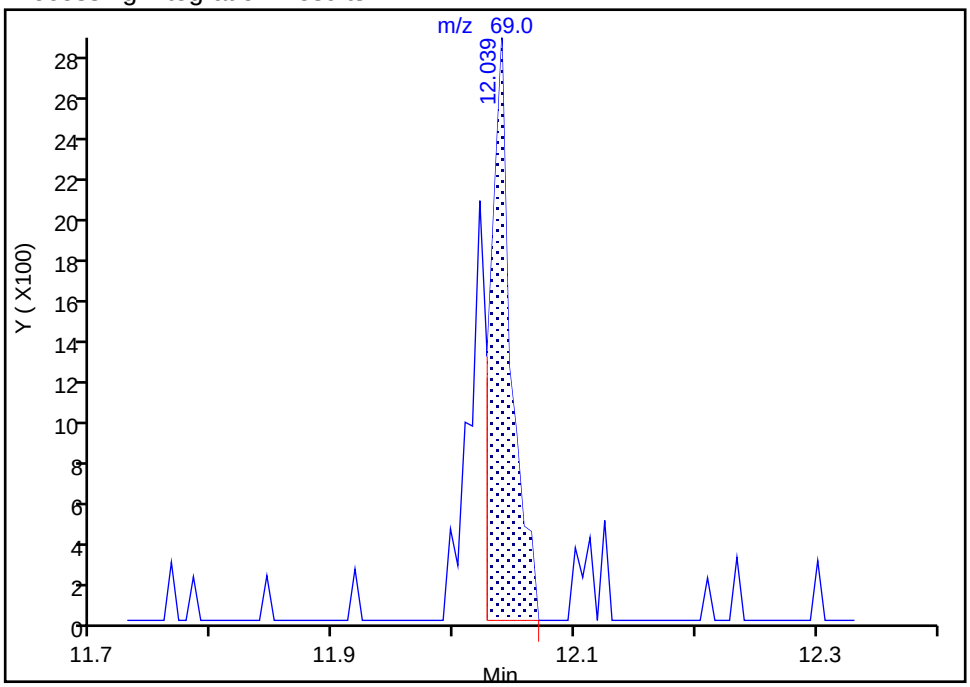
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

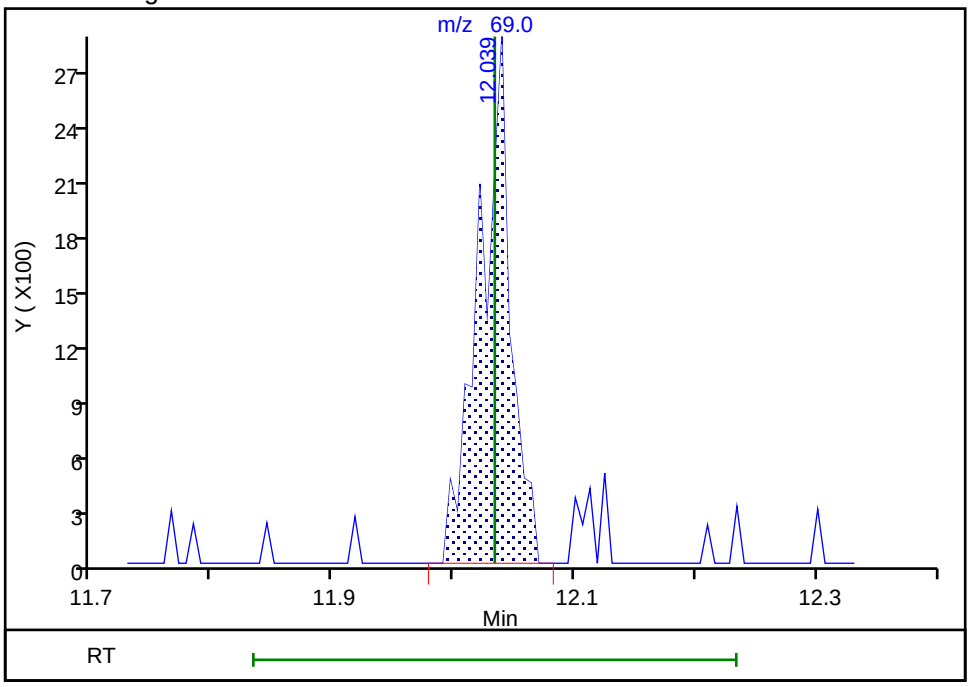
Processing Integration Results

RT: 12.04
Area: 3404
Amount: 18.470453
Amount Units: ng



Manual Integration Results

RT: 12.04
Area: 5124
Amount: 5.576244
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

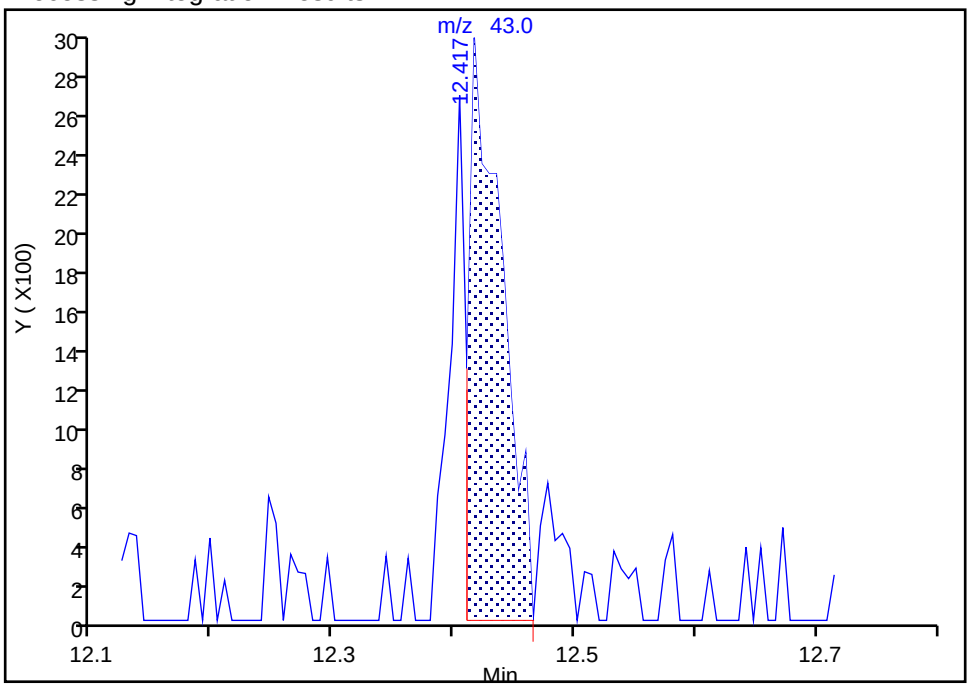
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

79 2-Hexanone, CAS: 591-78-6

Signal: 1

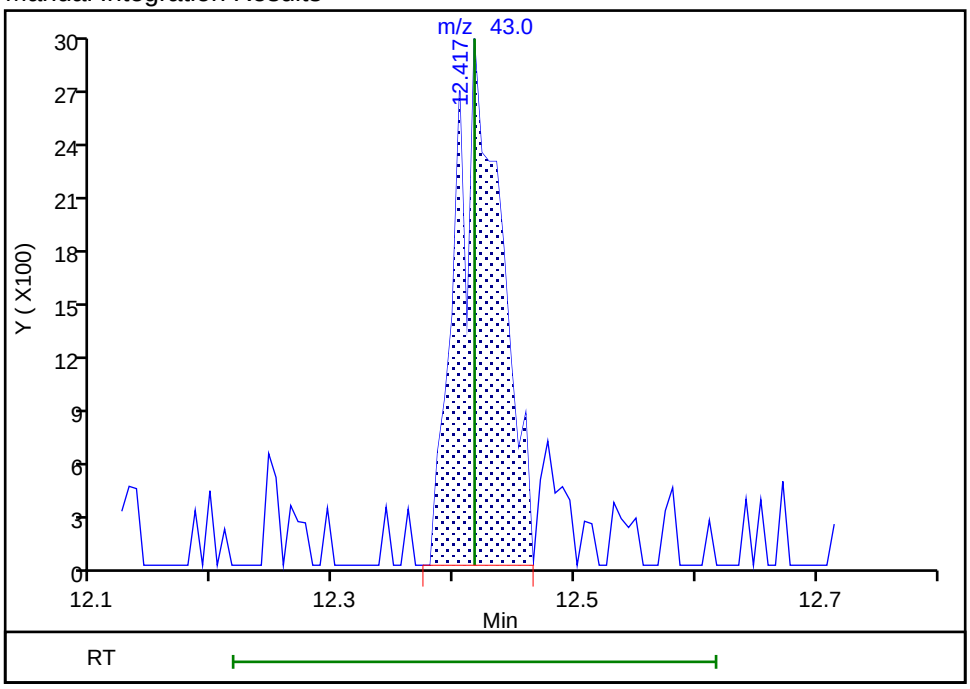
Processing Integration Results

RT: 12.42
Area: 5664
Amount: 34.637247
Amount Units: ng



Manual Integration Results

RT: 12.42
Area: 7721
Amount: 25.009587
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

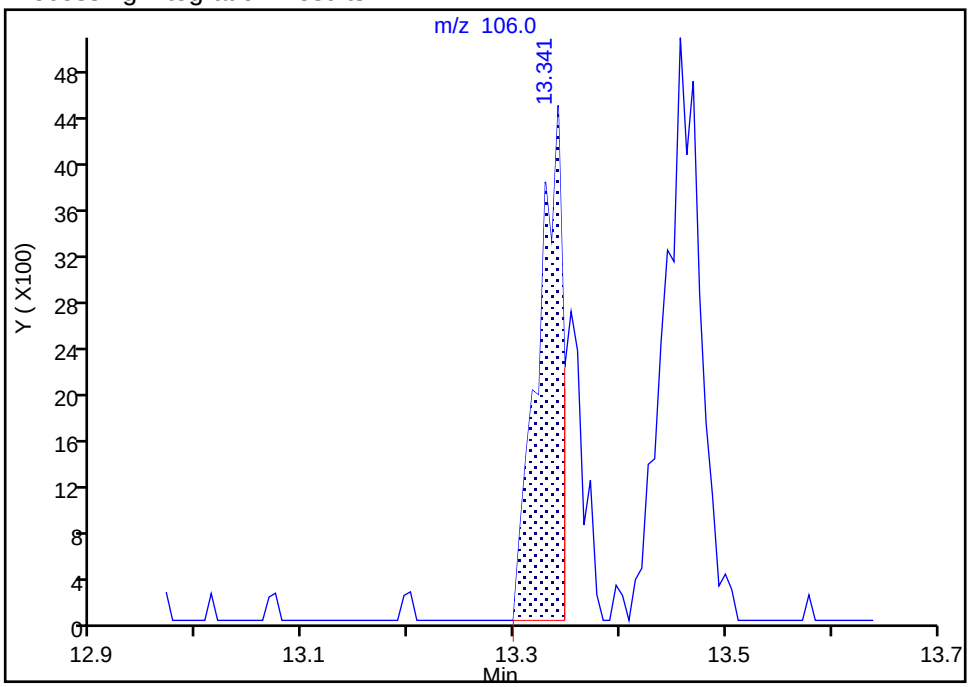
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

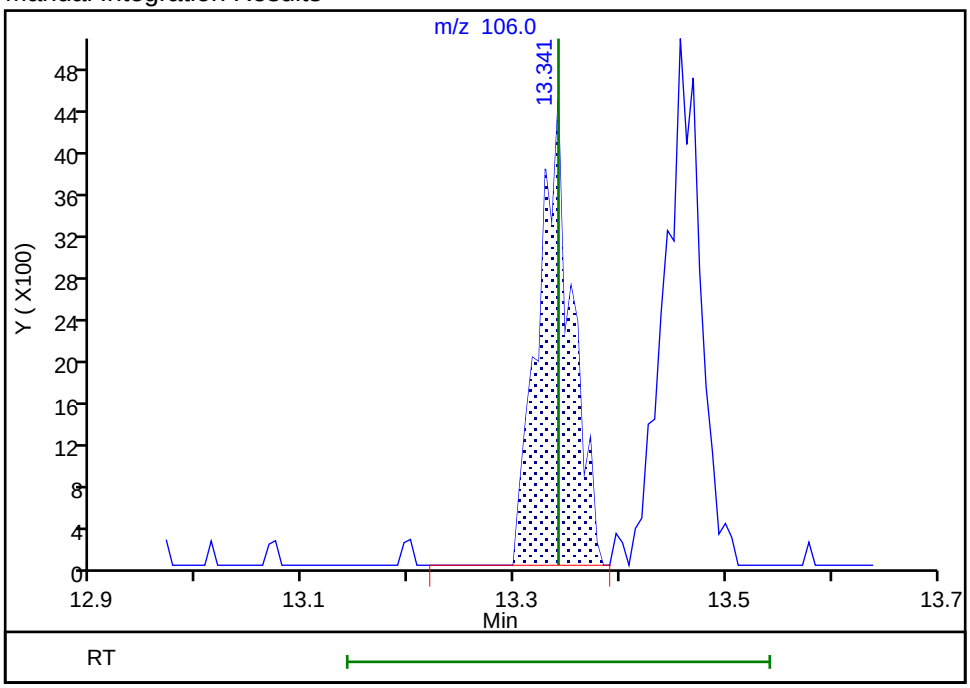
Processing Integration Results

RT: 13.34
Area: 7226
Amount: 13.122935
Amount Units: ng



Manual Integration Results

RT: 13.34
Area: 9877
Amount: 5.348616
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:32

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

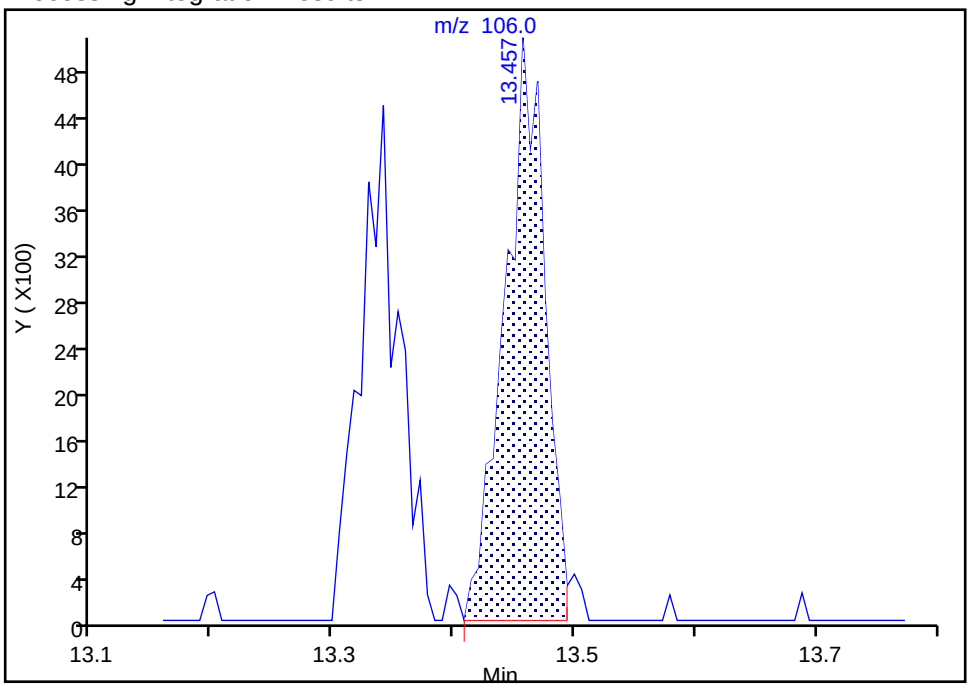
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

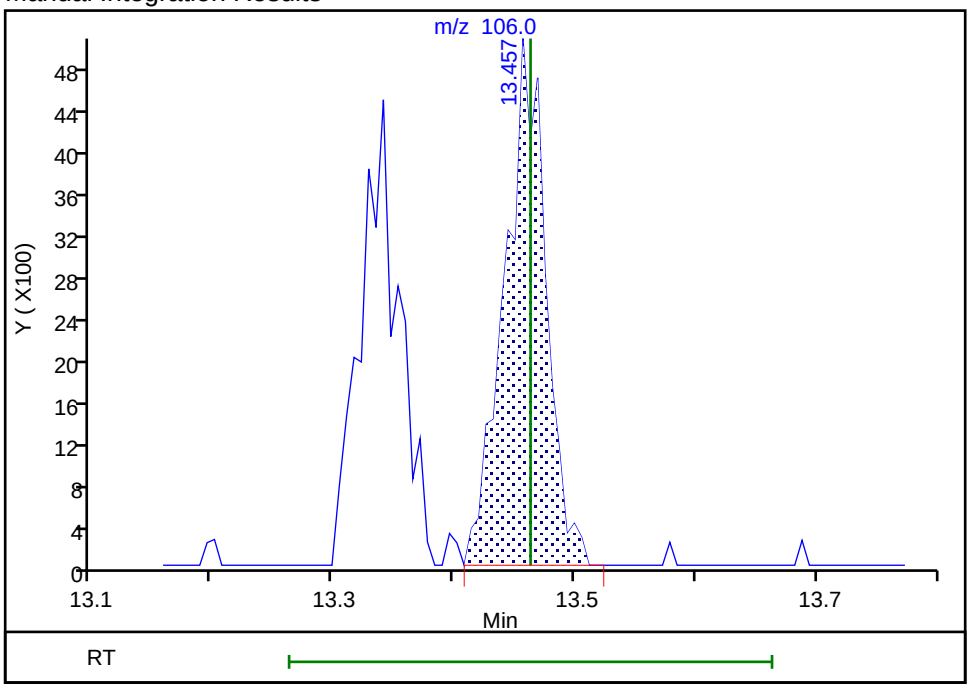
Processing Integration Results

RT: 13.46
Area: 11646
Amount: 16.362288
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 11890
Amount: 5.887911
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

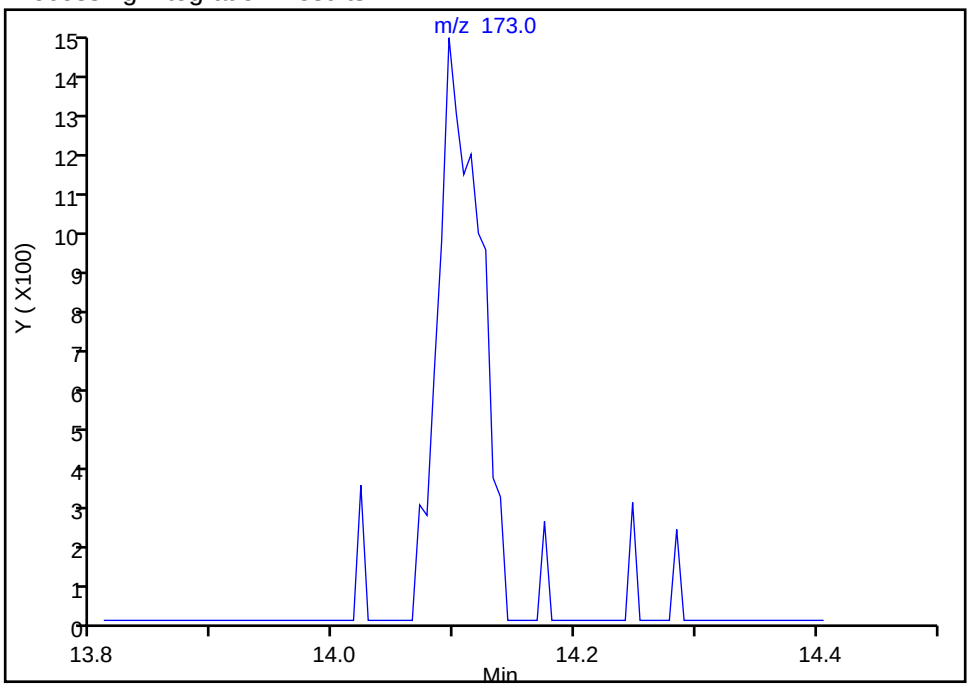
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Bromoform, CAS: 75-25-2

Signal: 1

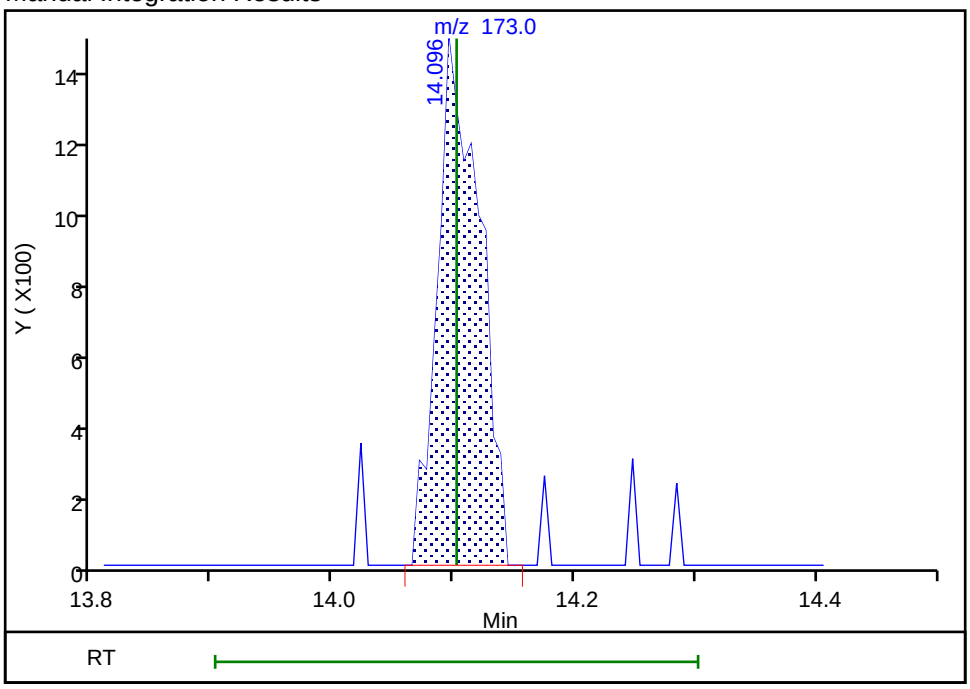
Not Detected
Expected RT: 14.10

Processing Integration Results



Manual Integration Results

RT: 14.10
Area: 3513
Amount: 5.305106
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

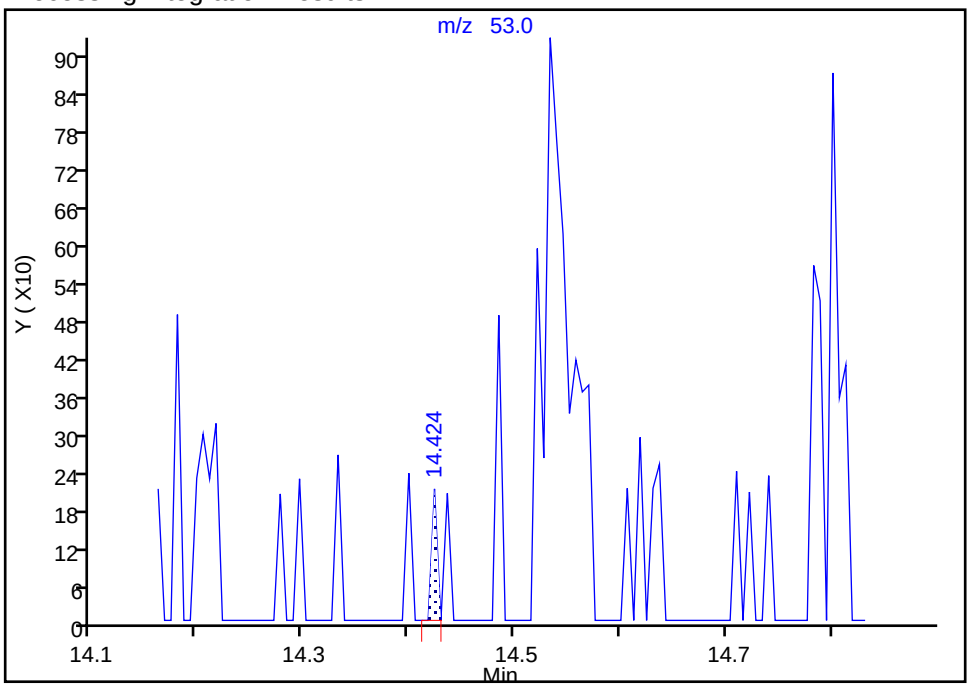
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

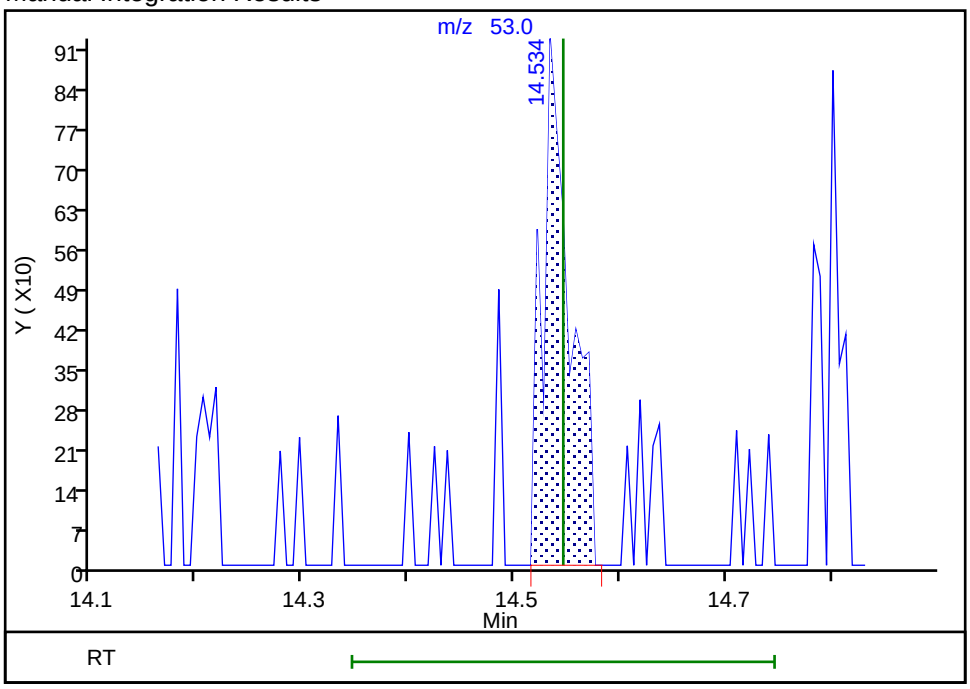
Processing Integration Results

RT: 14.42
Area: 76
Amount: 12.901340
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 1691
Amount: 5.447249
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:51

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

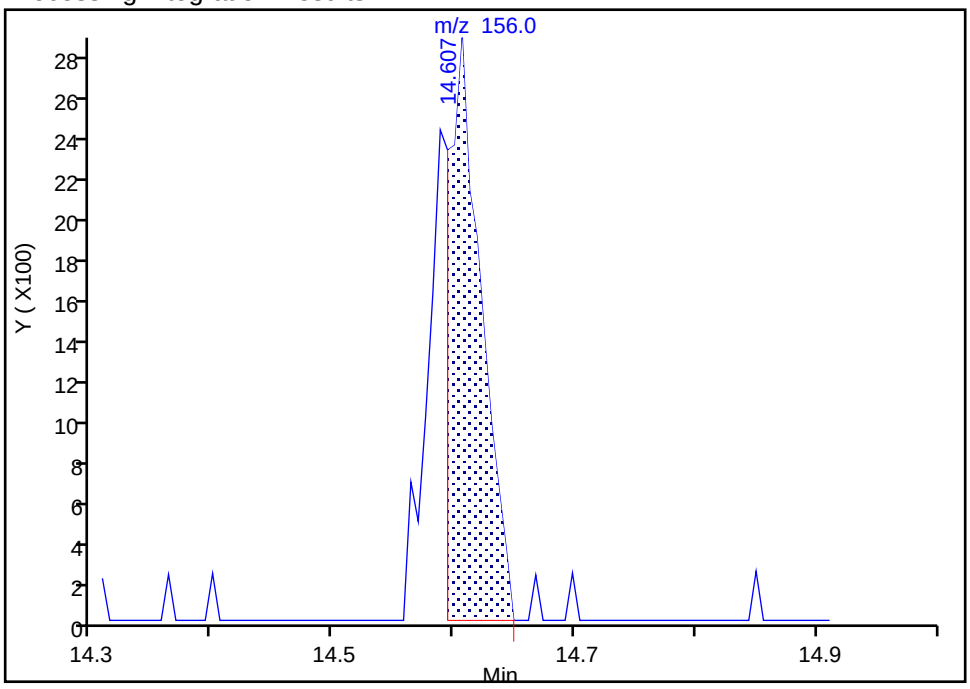
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 Bromobenzene, CAS: 108-86-1

Signal: 1

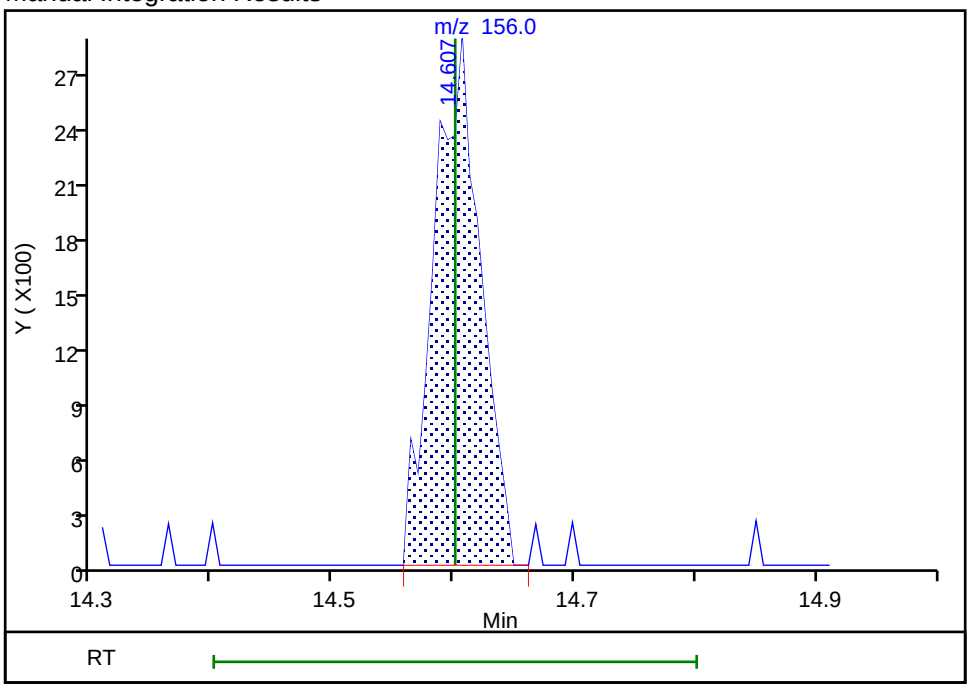
Processing Integration Results

RT: 14.61
Area: 5310
Amount: 0.364440
Amount Units: ng



Manual Integration Results

RT: 14.61
Area: 7521
Amount: 4.575572
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:11:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

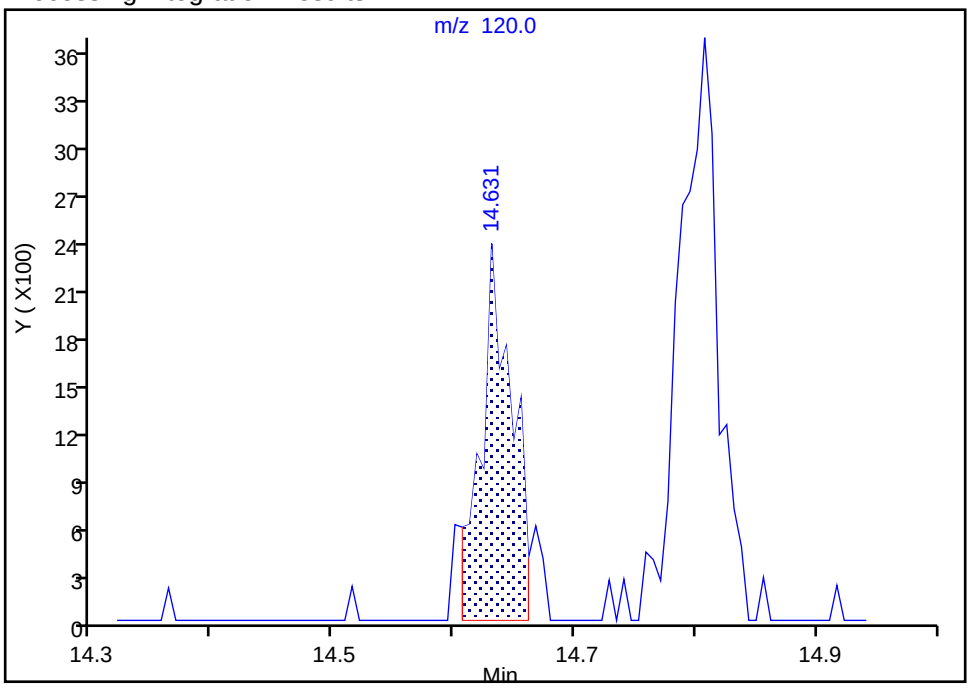
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

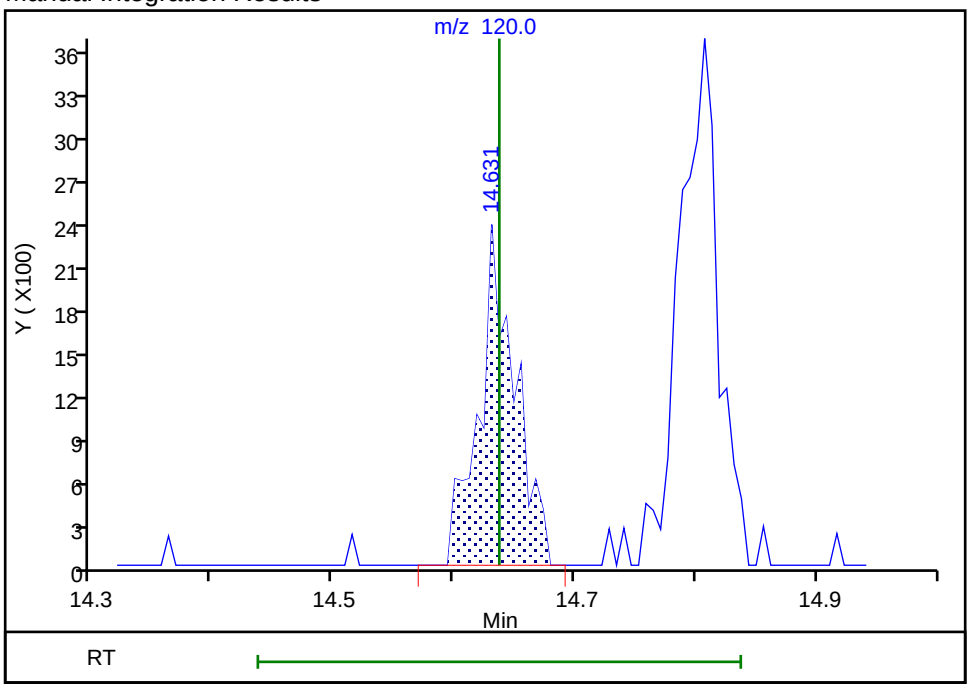
Processing Integration Results

RT: 14.63
Area: 4231
Amount: 3.443278
Amount Units: ng



Manual Integration Results

RT: 14.63
Area: 4800
Amount: 5.018340
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:00

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

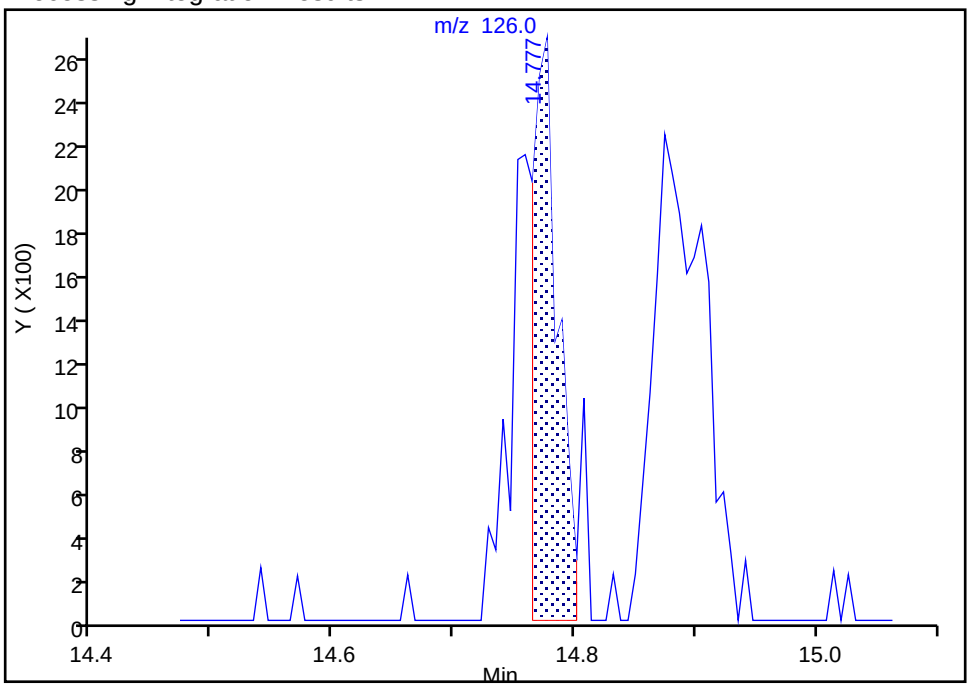
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

100 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

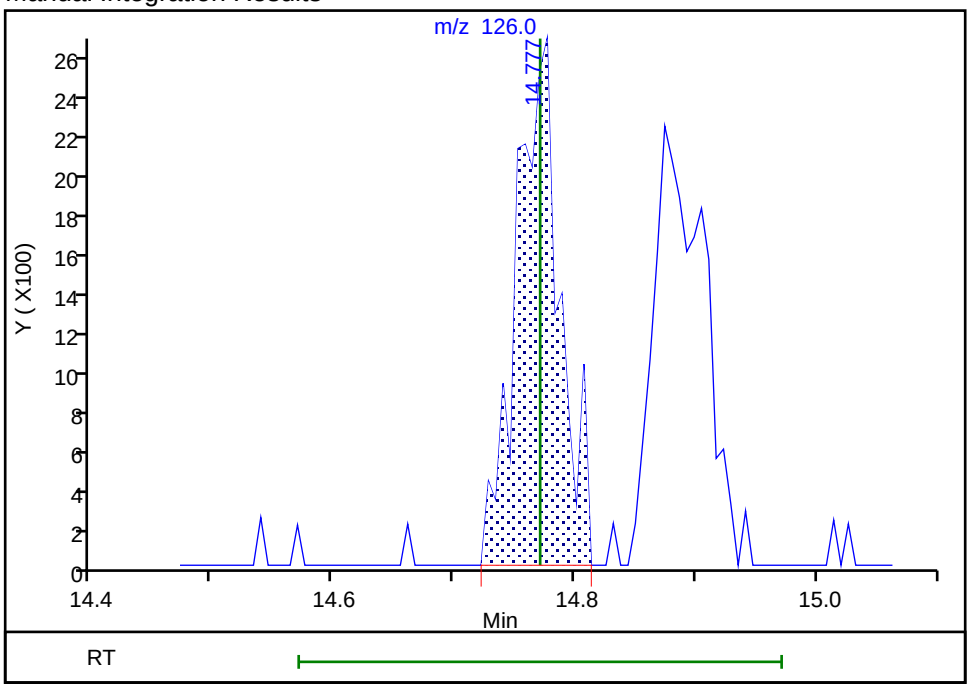
Processing Integration Results

RT: 14.78
Area: 3890
Amount: 0.269816
Amount Units: ng



Manual Integration Results

RT: 14.78
Area: 6566
Amount: 4.091213
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

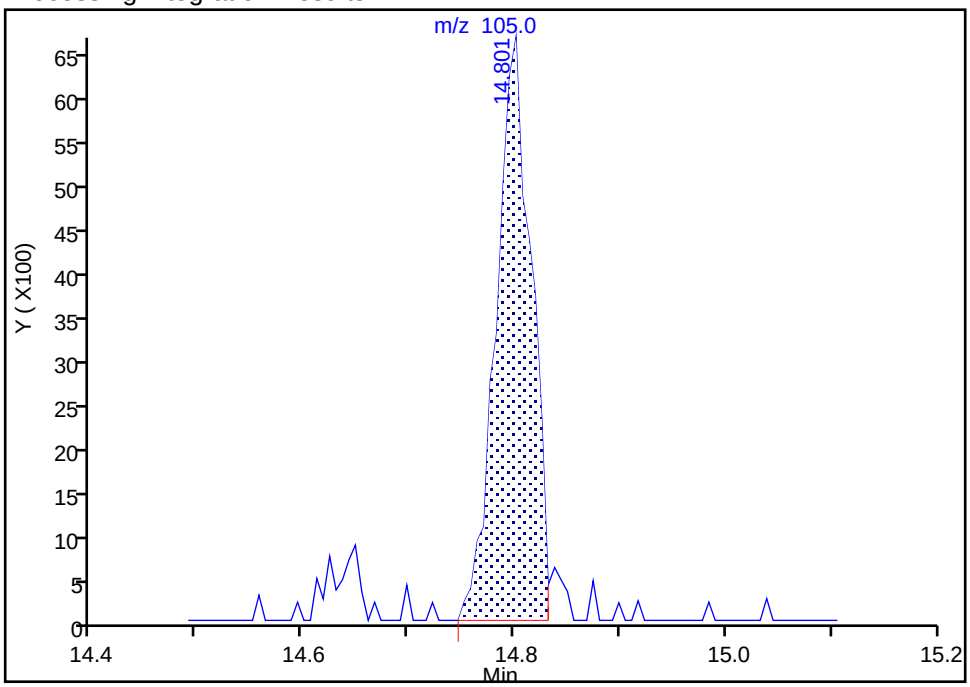
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

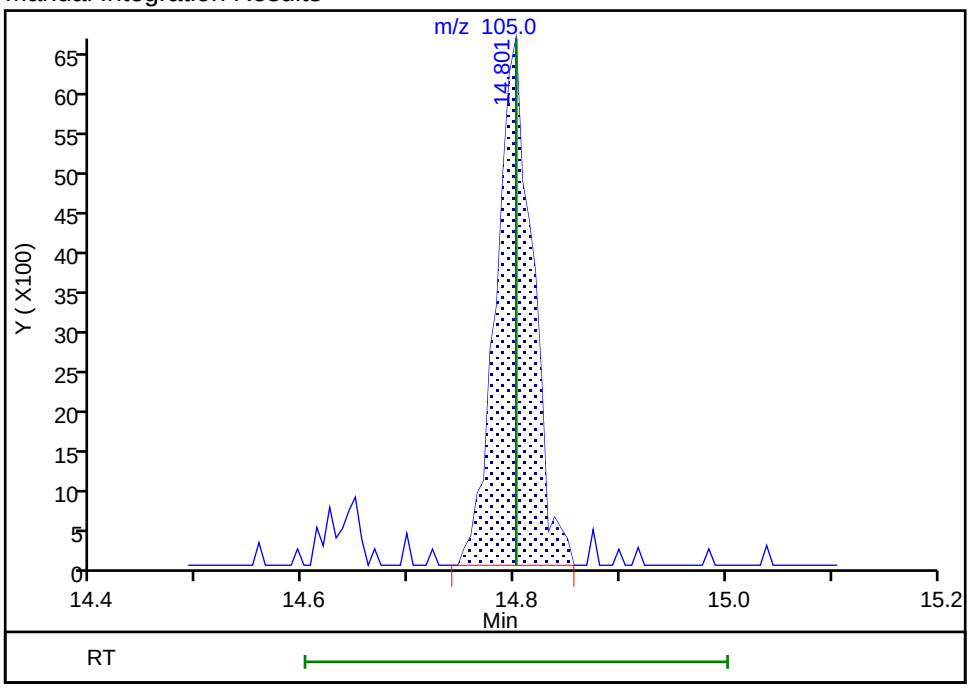
Processing Integration Results

RT: 14.80
Area: 15410
Amount: 11.879606
Amount Units: ng



Manual Integration Results

RT: 14.80
Area: 15922
Amount: 5.119347
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

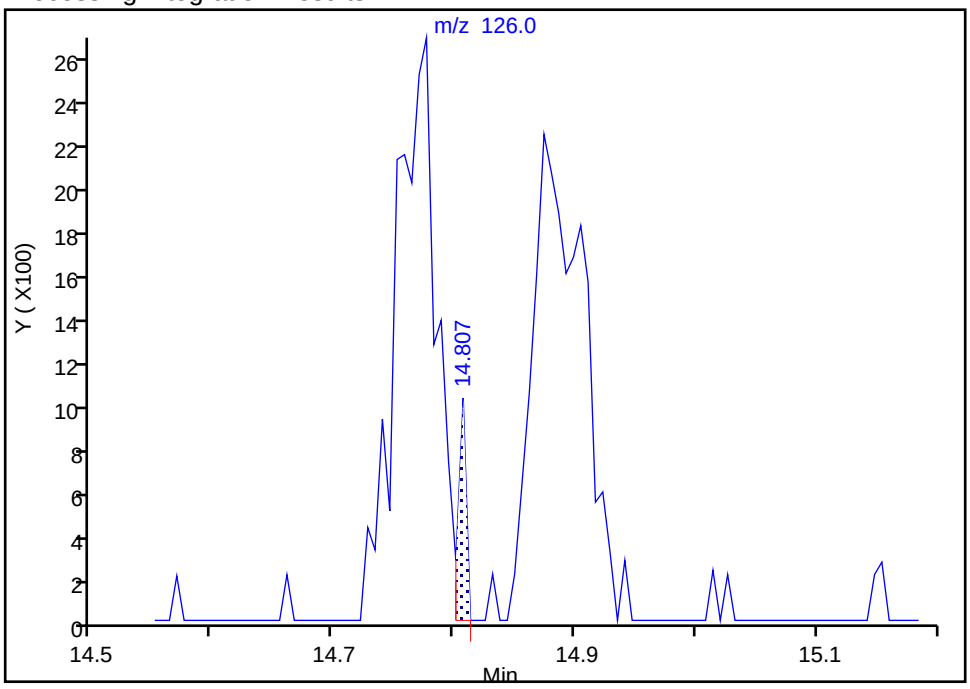
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Injection Date:	05-Nov-2020 18:41:30	Instrument ID:	CHHP6		
Lims ID:	IC				
Client ID:					
Operator ID:	034635	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

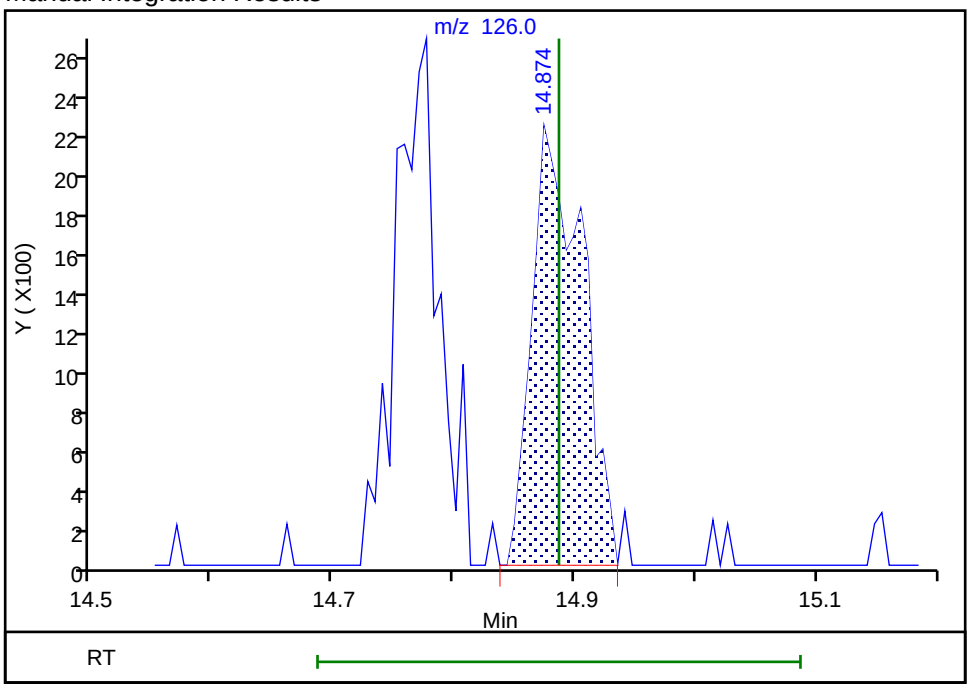
Processing Integration Results

RT: 14.81
Area: 466
Amount: 0.031349
Amount Units: ng



Manual Integration Results

RT: 14.87
Area: 6354
Amount: 3.862051
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:13

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

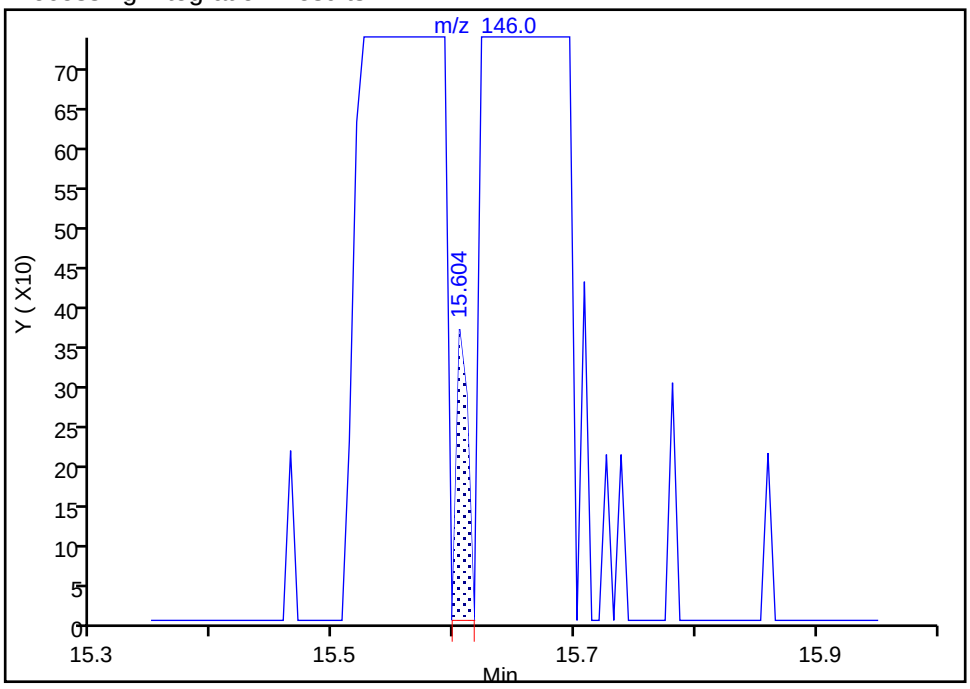
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D
Injection Date: 05-Nov-2020 18:41:30 Instrument ID: CHHP6
Lims ID: IC
Client ID:
Operator ID: 034635 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

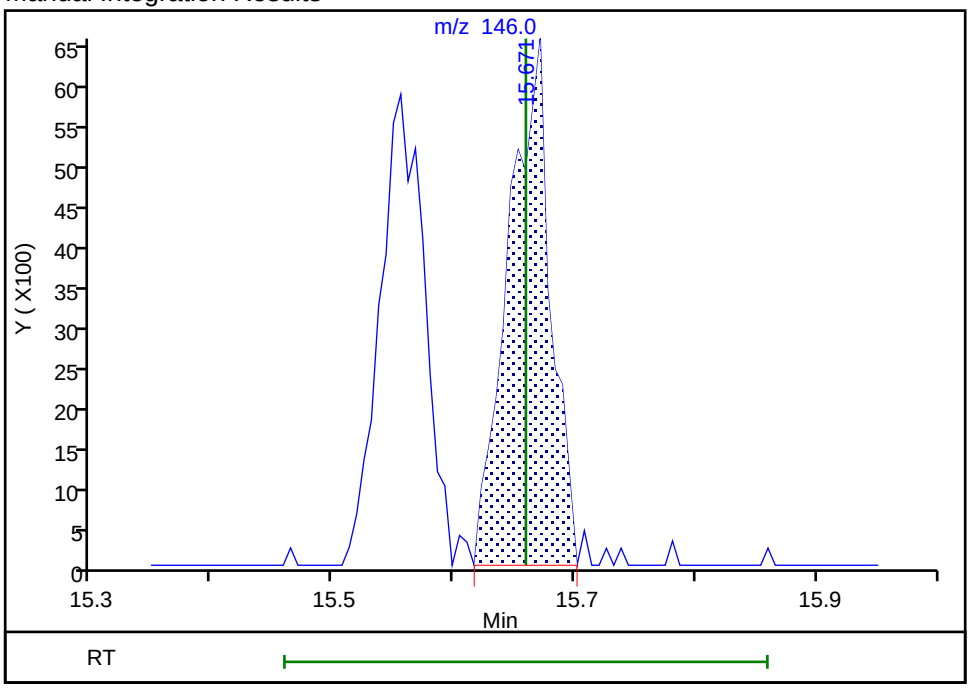
Processing Integration Results

RT: 15.60
Area: 239
Amount: 0.009059
Amount Units: ng



Manual Integration Results

RT: 15.67
Area: 15882
Amount: 5.232717
Amount Units: ng



Reviewer: journetp, 06-Nov-2020 08:12:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

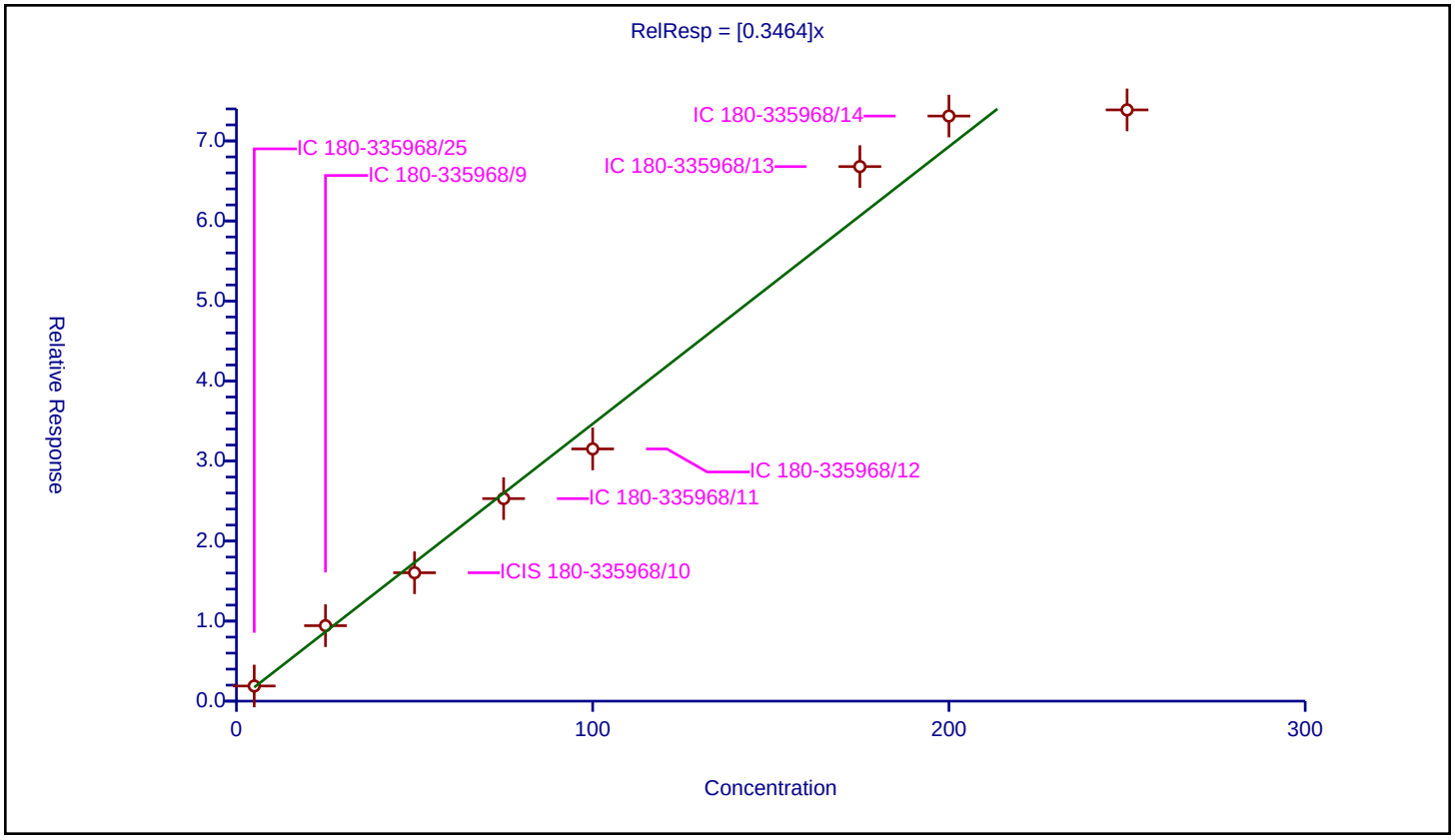
Curve Coefficients

Intercept:	0
Slope:	0.3464

Error Coefficients

Standard Error:	586000
Relative Standard Error:	9.7
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.891809	50.0	399089.0	0.378362	Y
2	IC 180-335968/9	25.0	9.428414	50.0	608098.0	0.377137	Y
3	ICIS 180-335968/10	50.0	16.040518	50.0	659614.0	0.32081	Y
4	IC 180-335968/11	75.0	25.30591	50.0	633929.0	0.337412	Y
5	IC 180-335968/12	100.0	31.512314	50.0	603499.0	0.315123	Y
6	IC 180-335968/13	175.0	66.792989	50.0	557831.0	0.381674	Y
7	IC 180-335968/14	200.0	73.10849	50.0	596785.0	0.365542	Y
8	IC 180-335968/15	250.0	73.875347	50.0	597851.0	0.295501	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

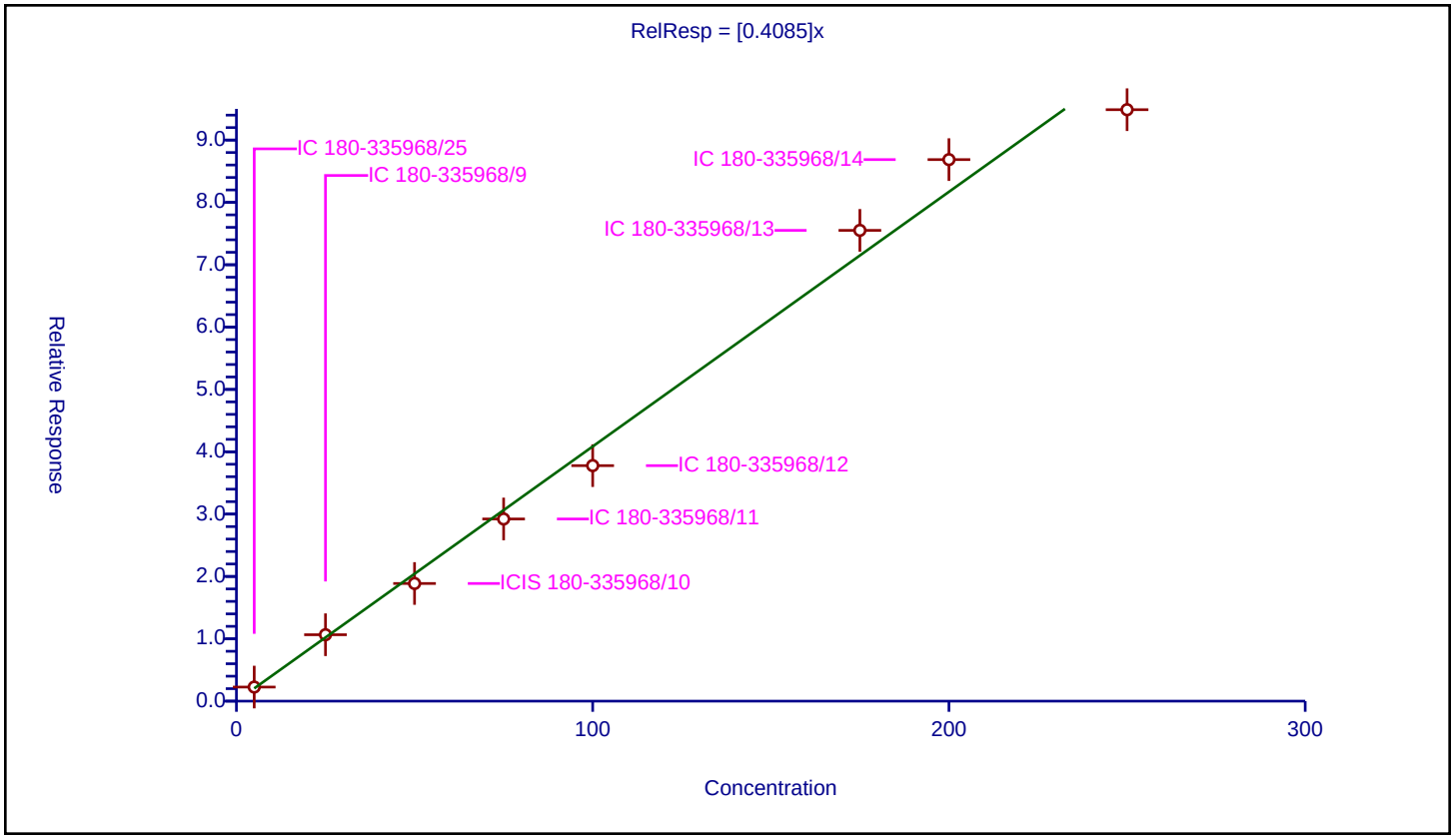
Curve Coefficients

Intercept:	0
Slope:	0.4085

Error Coefficients

Standard Error:	707000
Relative Standard Error:	7.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.257767	50.0	399089.0	0.451553	Y
2	IC 180-335968/9	25.0	10.654533	50.0	608098.0	0.426181	Y
3	ICIS 180-335968/10	50.0	18.872022	50.0	659614.0	0.37744	Y
4	IC 180-335968/11	75.0	29.219045	50.0	633929.0	0.389587	Y
5	IC 180-335968/12	100.0	37.778439	50.0	603499.0	0.377784	Y
6	IC 180-335968/13	175.0	75.515524	50.0	557831.0	0.431517	Y
7	IC 180-335968/14	200.0	86.864281	50.0	596785.0	0.434321	Y
8	IC 180-335968/15	250.0	94.870294	50.0	597851.0	0.379481	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

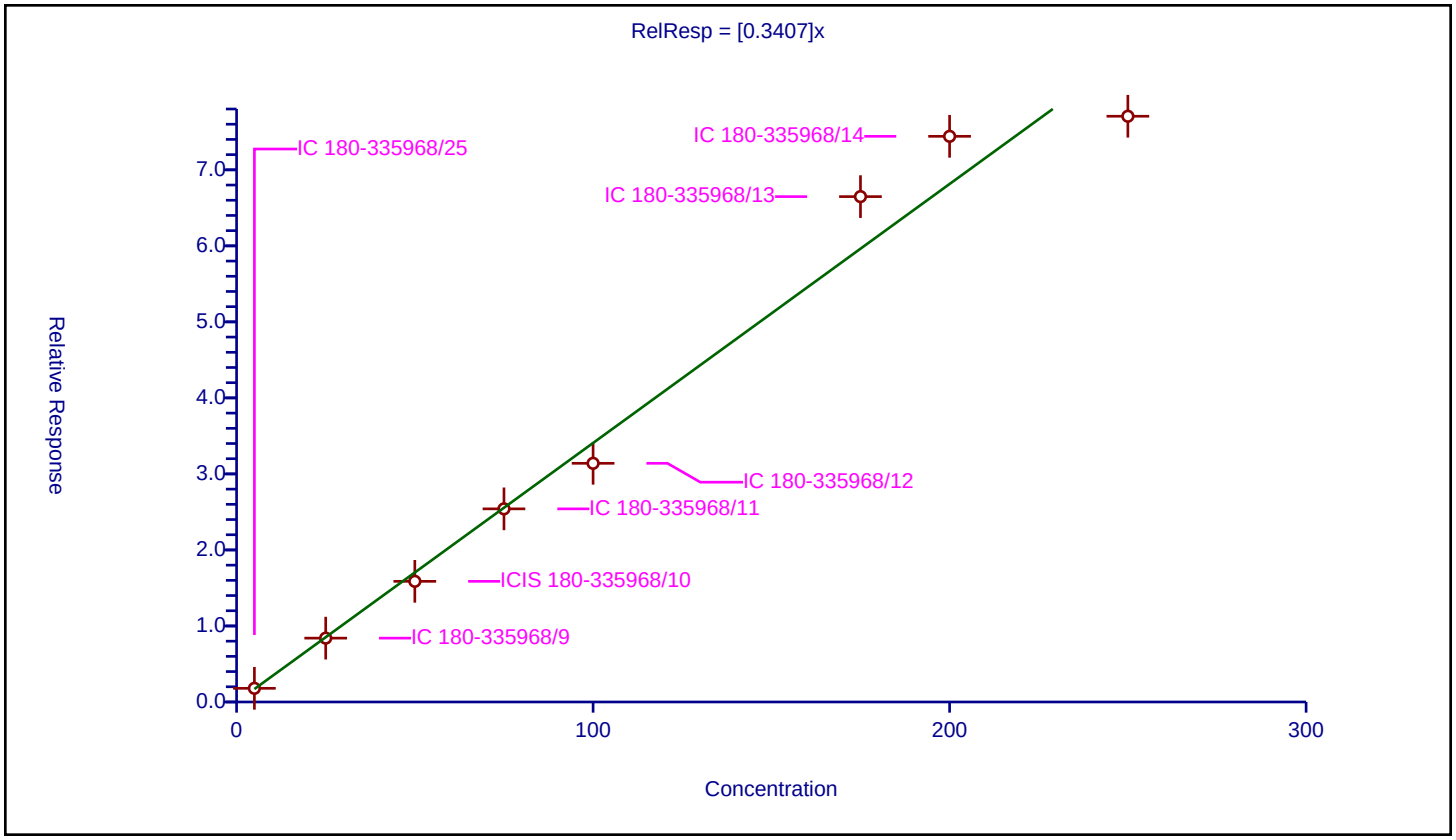
Curve Coefficients

Intercept:	0
Slope:	0.3407

Error Coefficients

Standard Error:	596000
Relative Standard Error:	8.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.796842	50.0	399089.0	0.359368	Y
2	IC 180-335968/9	25.0	8.398235	50.0	608098.0	0.335929	Y
3	ICIS 180-335968/10	50.0	15.871404	50.0	659614.0	0.317428	Y
4	IC 180-335968/11	75.0	25.406236	50.0	633929.0	0.33875	Y
5	IC 180-335968/12	100.0	31.397567	50.0	603499.0	0.313976	Y
6	IC 180-335968/13	175.0	66.478019	50.0	557831.0	0.379874	Y
7	IC 180-335968/14	200.0	74.406612	50.0	596785.0	0.372033	Y
8	IC 180-335968/15	250.0	77.049884	50.0	597851.0	0.3082	Y



Calibration / Butadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

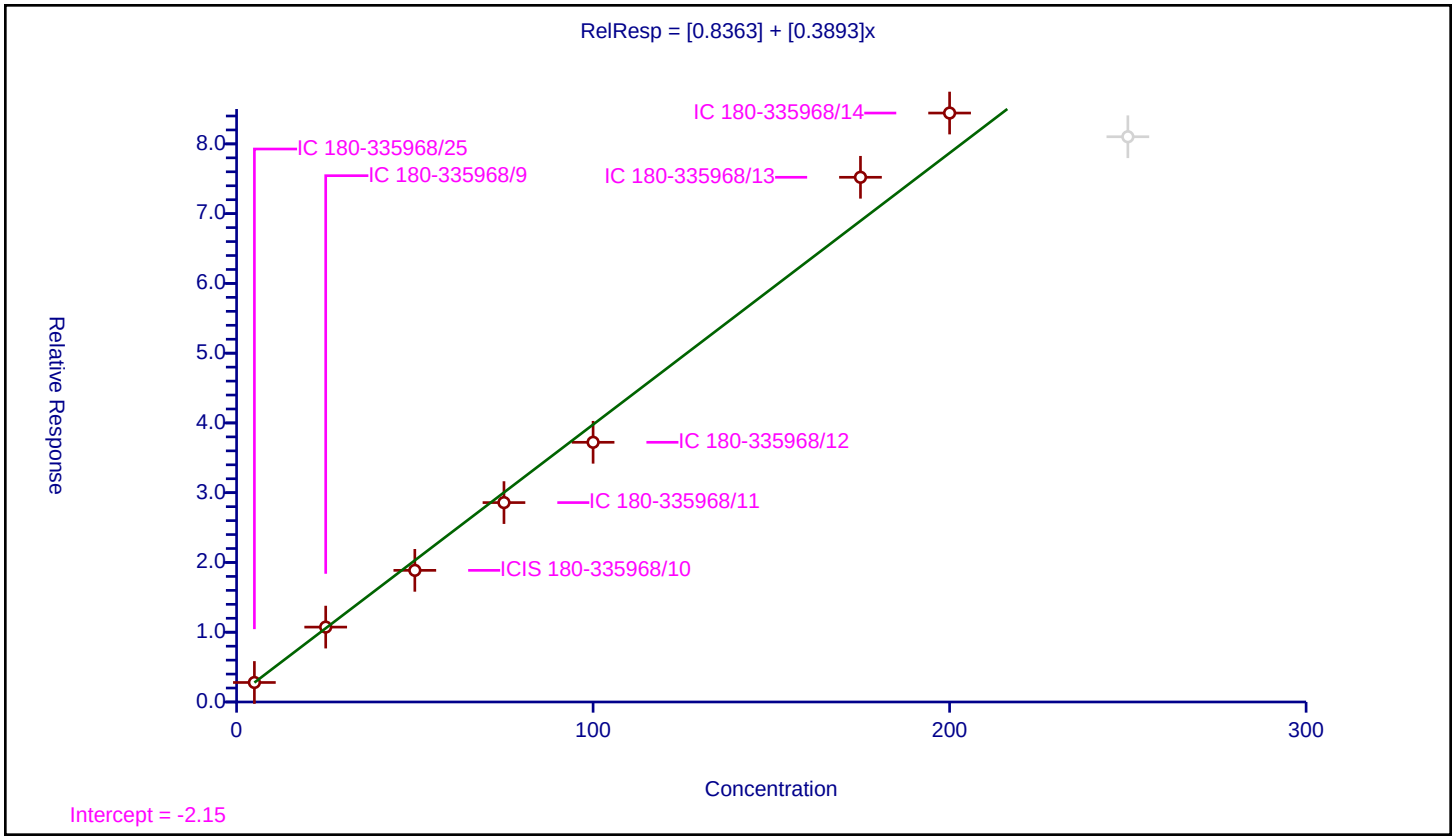
Curve Coefficients

Intercept:	0.8363
Slope:	0.3893

Error Coefficients

Standard Error:	653000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.794615	50.0	399089.0	0.558923	Y
2	IC 180-335968/9	25.0	10.733796	50.0	608098.0	0.429352	Y
3	ICIS 180-335968/10	50.0	18.871188	50.0	659614.0	0.377424	Y
4	IC 180-335968/11	75.0	28.584747	50.0	633929.0	0.38113	Y
5	IC 180-335968/12	100.0	37.226077	50.0	603499.0	0.372261	Y
6	IC 180-335968/13	175.0	75.215791	50.0	557831.0	0.429805	Y
7	IC 180-335968/14	200.0	84.424709	50.0	596785.0	0.422124	Y
8	IC 180-335968/15	250.0	81.023449	50.0	597851.0	0.324094	N



Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

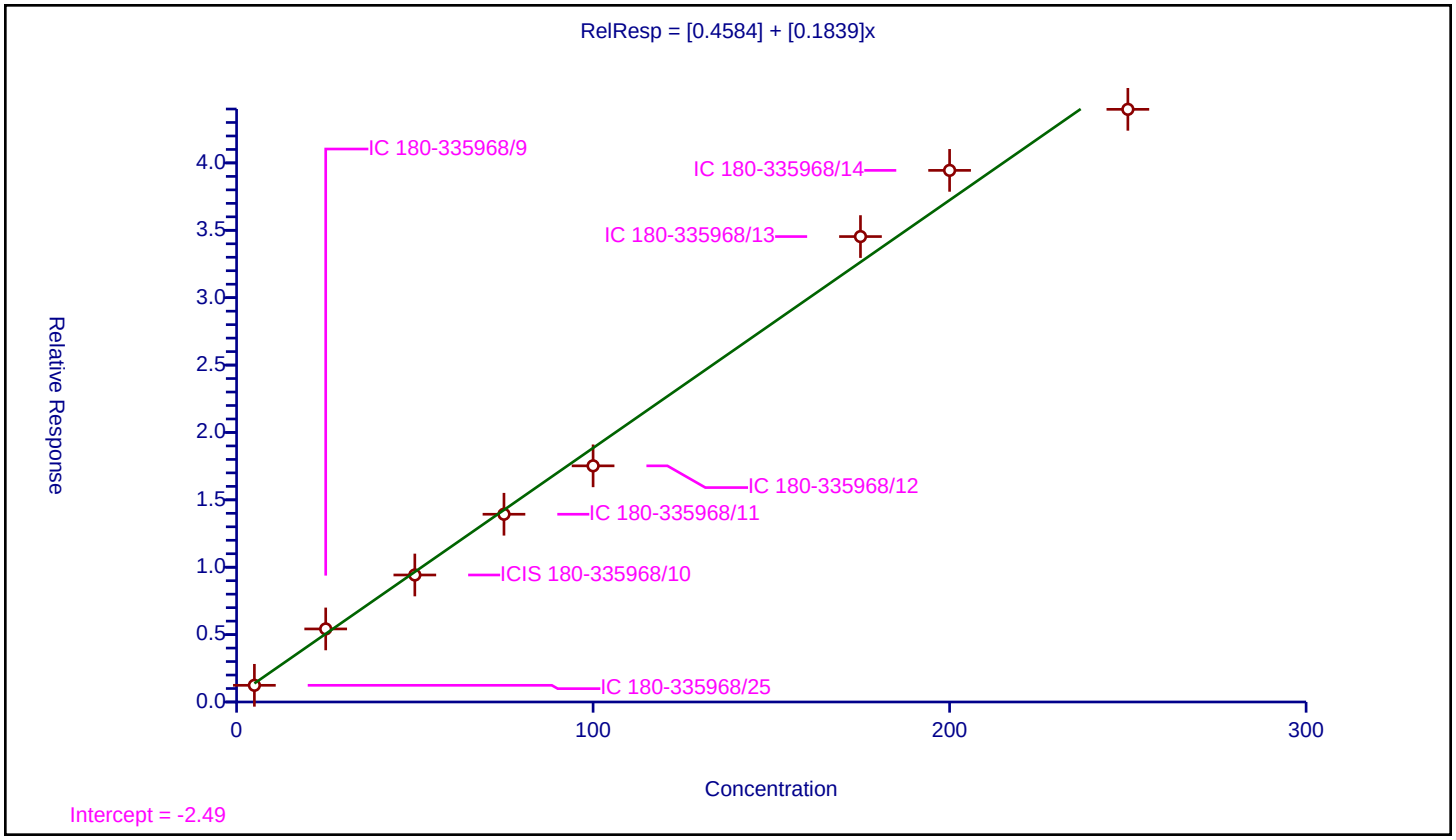
Curve Coefficients

Intercept:	0.4584
Slope:	0.1839

Error Coefficients

Standard Error:	352000
Relative Standard Error:	8.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.238446	50.0	399089.0	0.247689	Y
2	IC 180-335968/9	25.0	5.421577	50.0	608098.0	0.216863	Y
3	ICIS 180-335968/10	50.0	9.423314	50.0	659614.0	0.188466	Y
4	IC 180-335968/11	75.0	13.930582	50.0	633929.0	0.185741	Y
5	IC 180-335968/12	100.0	17.523227	50.0	603499.0	0.175232	Y
6	IC 180-335968/13	175.0	34.536446	50.0	557831.0	0.197351	Y
7	IC 180-335968/14	200.0	39.447372	50.0	596785.0	0.197237	Y
8	IC 180-335968/15	250.0	43.976927	50.0	597851.0	0.175908	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

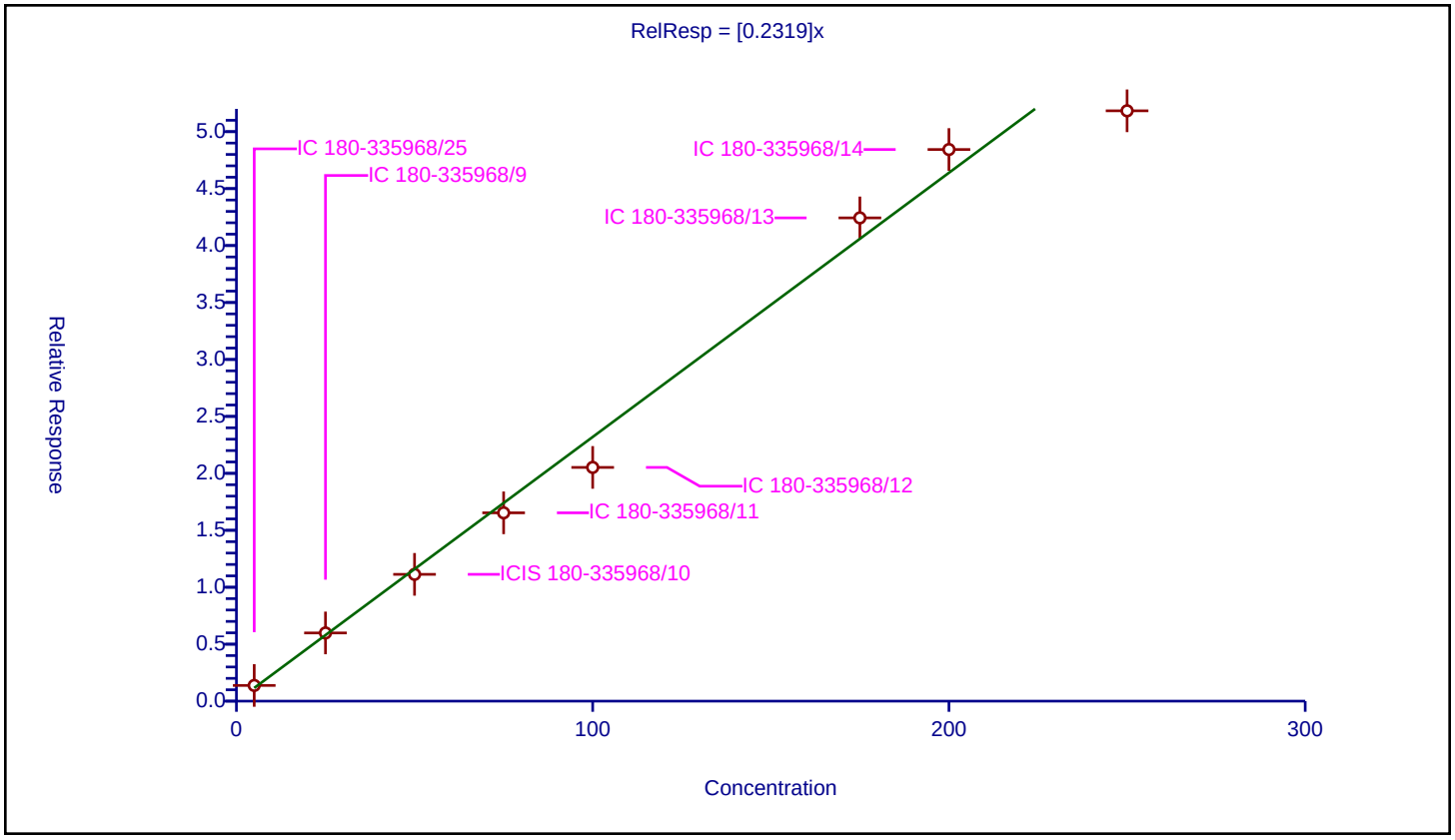
Curve Coefficients

Intercept:	0
Slope:	0.2319

Error Coefficients

Standard Error:	392000
Relative Standard Error:	10.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.379016	50.0	399089.0	0.275803	Y
2	IC 180-335968/9	25.0	5.988015	50.0	608098.0	0.239521	Y
3	ICIS 180-335968/10	50.0	11.132344	50.0	659614.0	0.222647	Y
4	IC 180-335968/11	75.0	16.534738	50.0	633929.0	0.220463	Y
5	IC 180-335968/12	100.0	20.520664	50.0	603499.0	0.205207	Y
6	IC 180-335968/13	175.0	42.430145	50.0	557831.0	0.242458	Y
7	IC 180-335968/14	200.0	48.432853	50.0	596785.0	0.242164	Y
8	IC 180-335968/15	250.0	51.831895	50.0	597851.0	0.207328	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

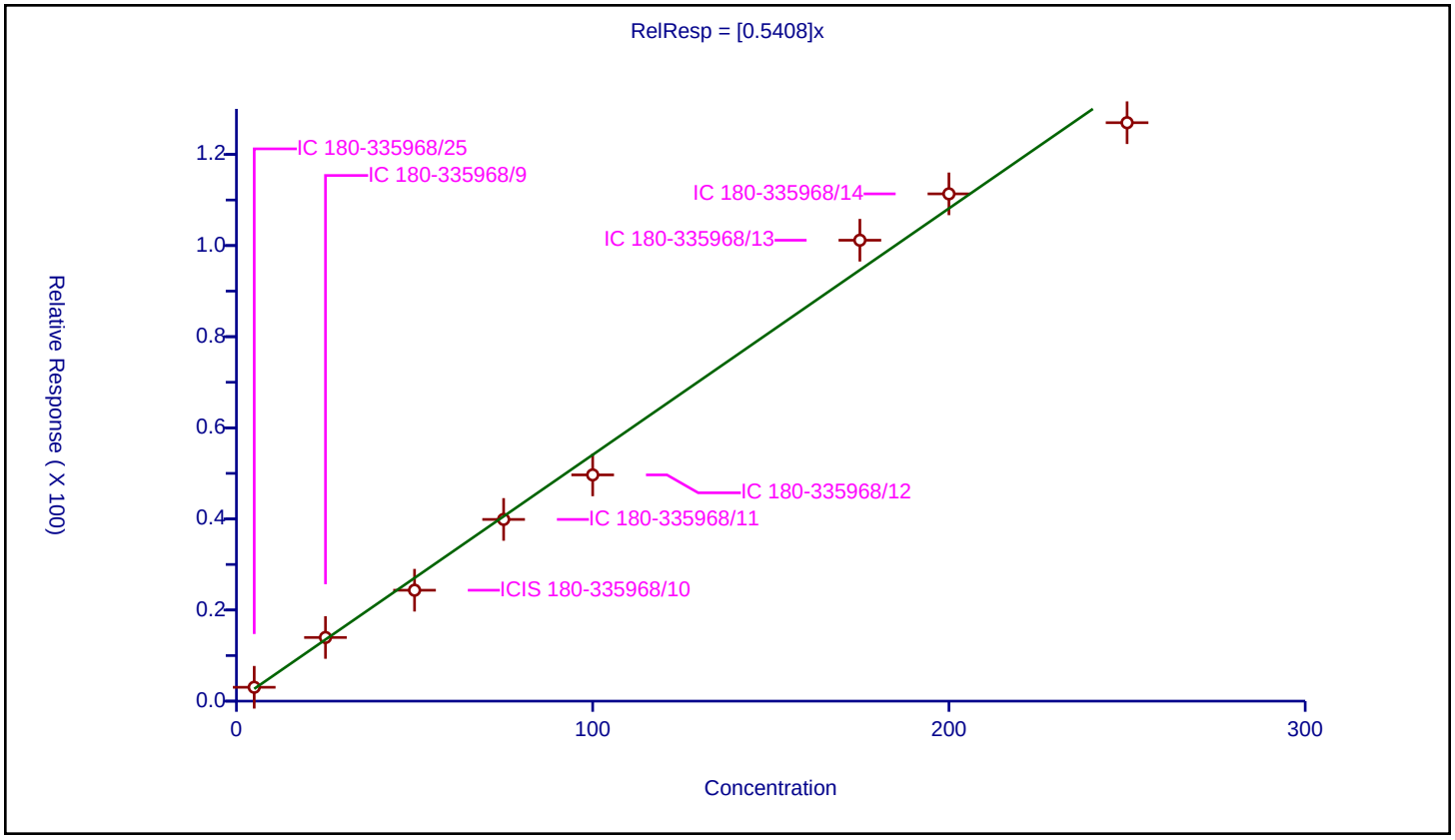
Curve Coefficients

Intercept:	0
Slope:	0.5408

Error Coefficients

Standard Error:	933000
Relative Standard Error:	7.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.044308	50.0	399089.0	0.608862	Y
2	IC 180-335968/9	25.0	13.976695	50.0	608098.0	0.559068	Y
3	ICIS 180-335968/10	50.0	24.348179	50.0	659614.0	0.486964	Y
4	IC 180-335968/11	75.0	39.887432	50.0	633929.0	0.531832	Y
5	IC 180-335968/12	100.0	49.661226	50.0	603499.0	0.496612	Y
6	IC 180-335968/13	175.0	101.172398	50.0	557831.0	0.578128	Y
7	IC 180-335968/14	200.0	111.348894	50.0	596785.0	0.556744	Y
8	IC 180-335968/15	250.0	126.968927	50.0	597851.0	0.507876	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

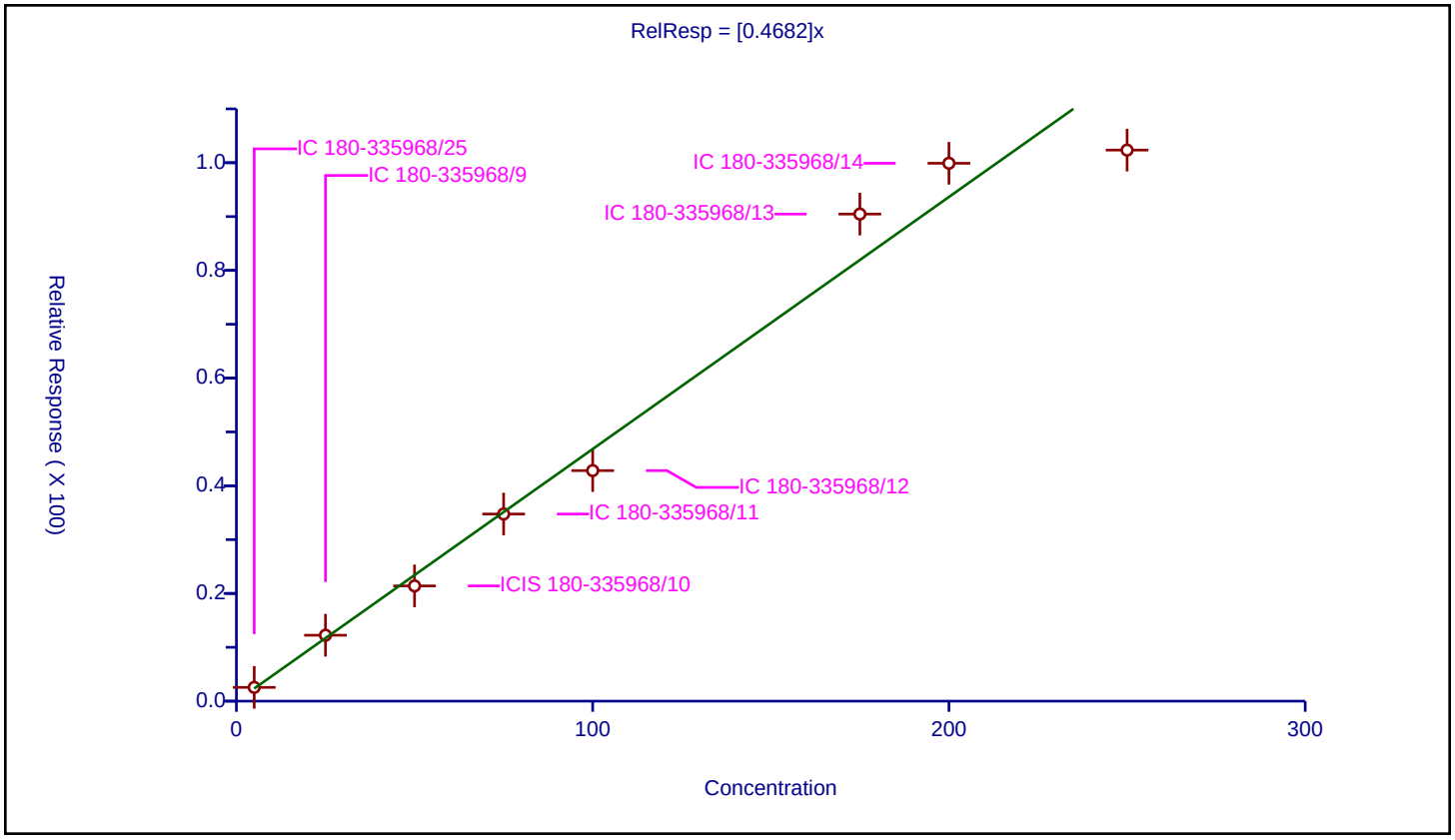
Curve Coefficients

Intercept:	0
Slope:	0.4682

Error Coefficients

Standard Error:	802000
Relative Standard Error:	9.0
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.553315	50.0	399089.0	0.510663	Y
2	IC 180-335968/9	25.0	12.241695	50.0	608098.0	0.489668	Y
3	ICIS 180-335968/10	50.0	21.400167	50.0	659614.0	0.428003	Y
4	IC 180-335968/11	75.0	34.754365	50.0	633929.0	0.463392	Y
5	IC 180-335968/12	100.0	42.819541	50.0	603499.0	0.428195	Y
6	IC 180-335968/13	175.0	90.464316	50.0	557831.0	0.516939	Y
7	IC 180-335968/14	200.0	99.899461	50.0	596785.0	0.499497	Y
8	IC 180-335968/15	250.0	102.349498	50.0	597851.0	0.409398	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

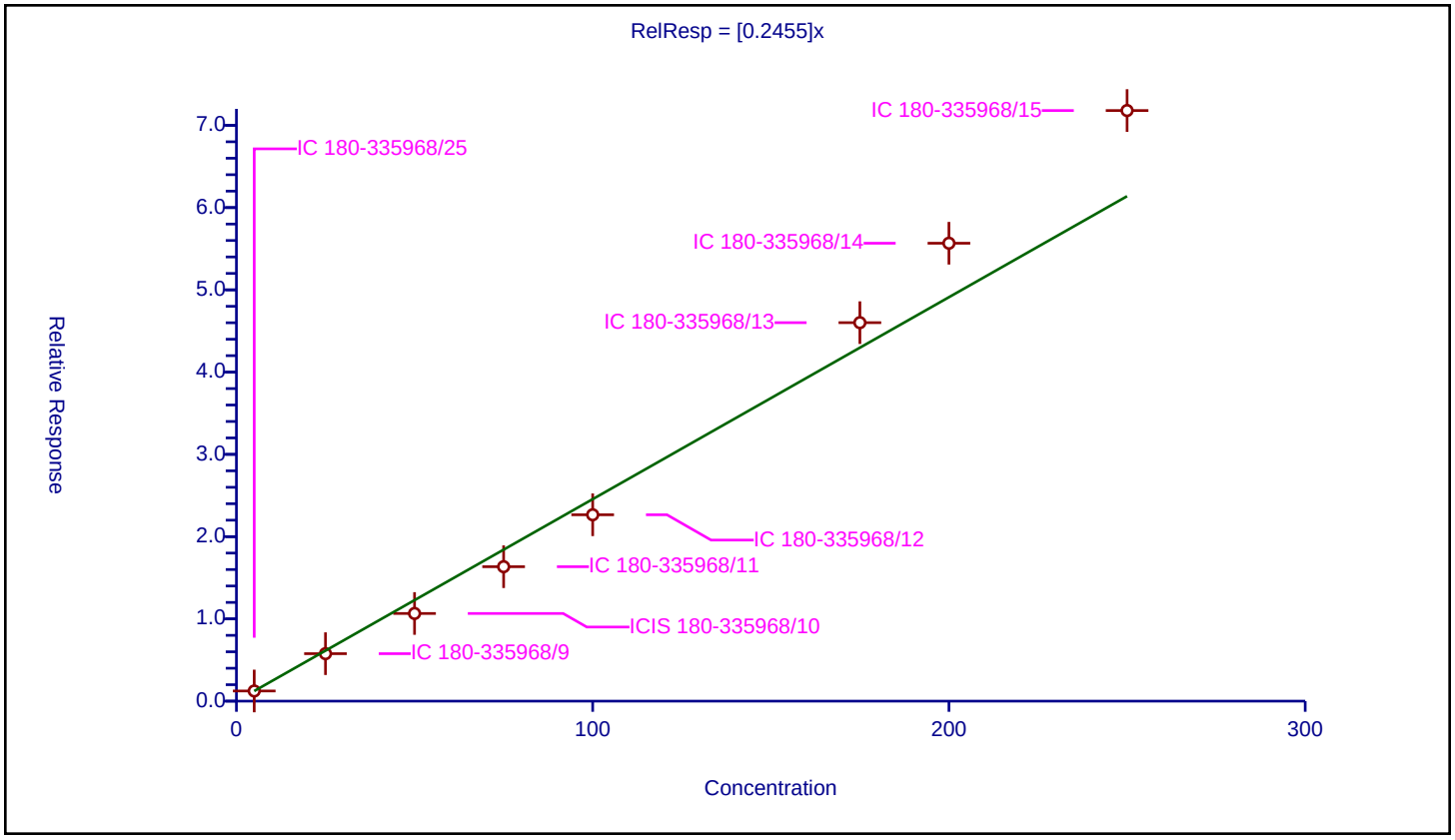
Curve Coefficients

Intercept:	0
Slope:	0.2455

Error Coefficients

Standard Error:	476000
Relative Standard Error:	11.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.236566	50.0	399089.0	0.247313	Y
2	IC 180-335968/9	25.0	5.771931	50.0	608098.0	0.230877	Y
3	ICIS 180-335968/10	50.0	10.658127	50.0	659614.0	0.213163	Y
4	IC 180-335968/11	75.0	16.34489	50.0	633929.0	0.217932	Y
5	IC 180-335968/12	100.0	22.656873	50.0	603499.0	0.226569	Y
6	IC 180-335968/13	175.0	46.012054	50.0	557831.0	0.262926	Y
7	IC 180-335968/14	200.0	55.669378	50.0	596785.0	0.278347	Y
8	IC 180-335968/15	250.0	71.800248	50.0	597851.0	0.287201	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

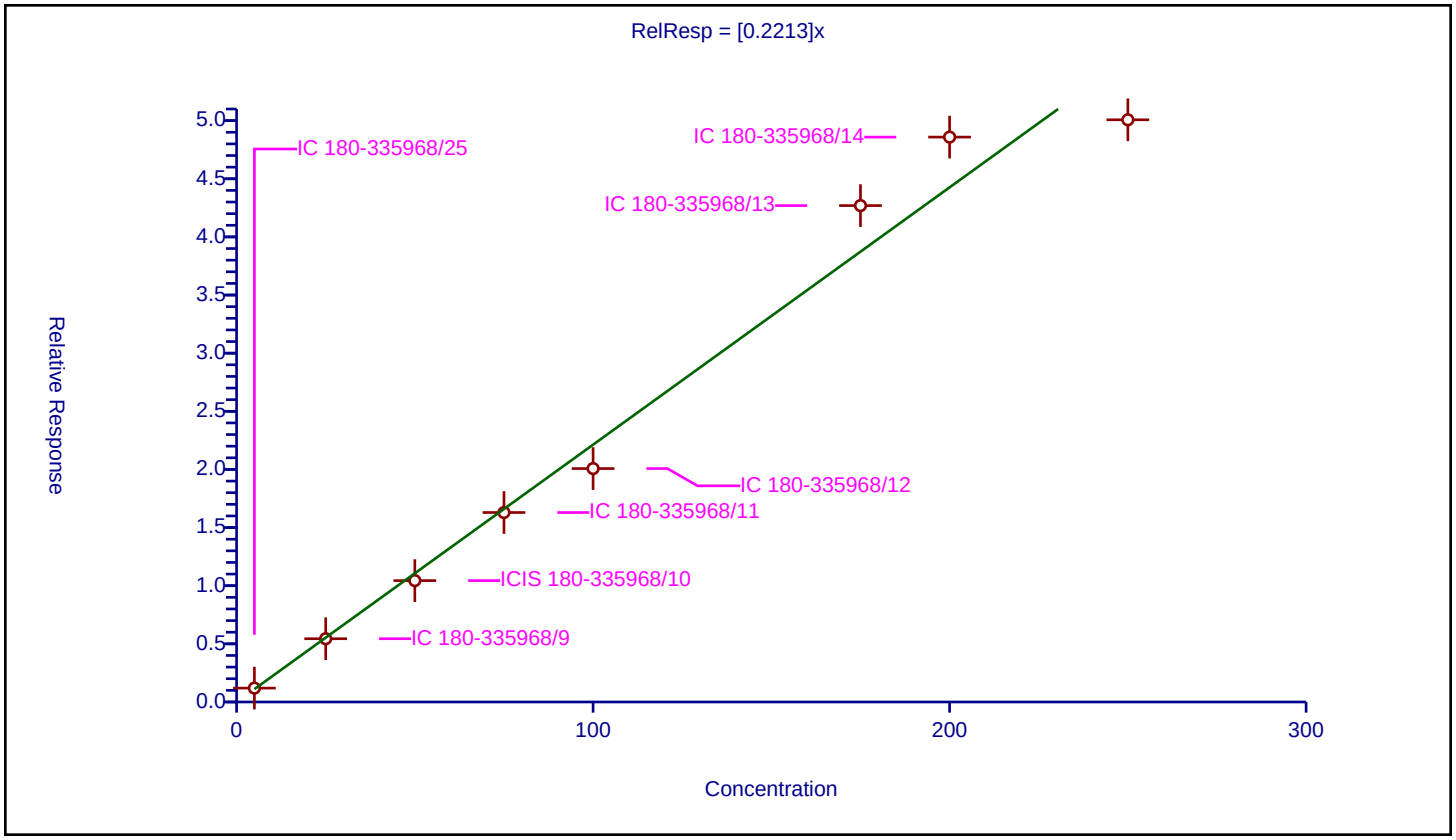
Curve Coefficients

Intercept:	0
Slope:	0.2213

Error Coefficients

Standard Error:	387000
Relative Standard Error:	8.3
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.193719	50.0	399089.0	0.238744	Y
2	IC 180-335968/9	25.0	5.442462	50.0	608098.0	0.217698	Y
3	ICIS 180-335968/10	50.0	10.439211	50.0	659614.0	0.208784	Y
4	IC 180-335968/11	75.0	16.295673	50.0	633929.0	0.217276	Y
5	IC 180-335968/12	100.0	20.076172	50.0	603499.0	0.200762	Y
6	IC 180-335968/13	175.0	42.691873	50.0	557831.0	0.243954	Y
7	IC 180-335968/14	200.0	48.585923	50.0	596785.0	0.24293	Y
8	IC 180-335968/15	250.0	50.074433	50.0	597851.0	0.200298	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

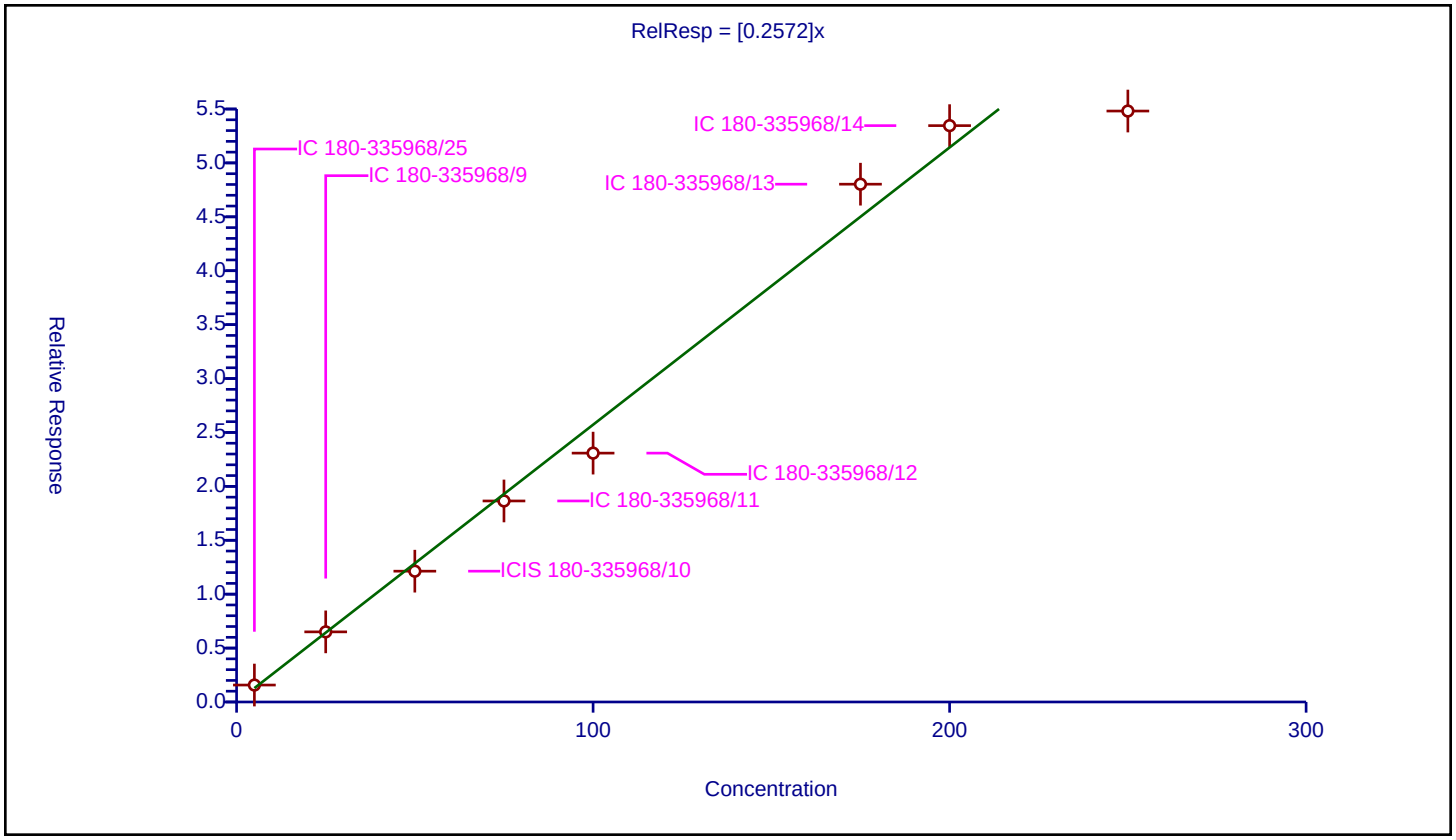
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	429000
Relative Standard Error:	11.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.570702	50.0	399089.0	0.31414	Y
2	IC 180-335968/9	25.0	6.503146	50.0	608098.0	0.260126	Y
3	ICIS 180-335968/10	50.0	12.132853	50.0	659614.0	0.242657	Y
4	IC 180-335968/11	75.0	18.646568	50.0	633929.0	0.248621	Y
5	IC 180-335968/12	100.0	23.083634	50.0	603499.0	0.230836	Y
6	IC 180-335968/13	175.0	48.027808	50.0	557831.0	0.274445	Y
7	IC 180-335968/14	200.0	53.458281	50.0	596785.0	0.267291	Y
8	IC 180-335968/15	250.0	54.812069	50.0	597851.0	0.219248	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

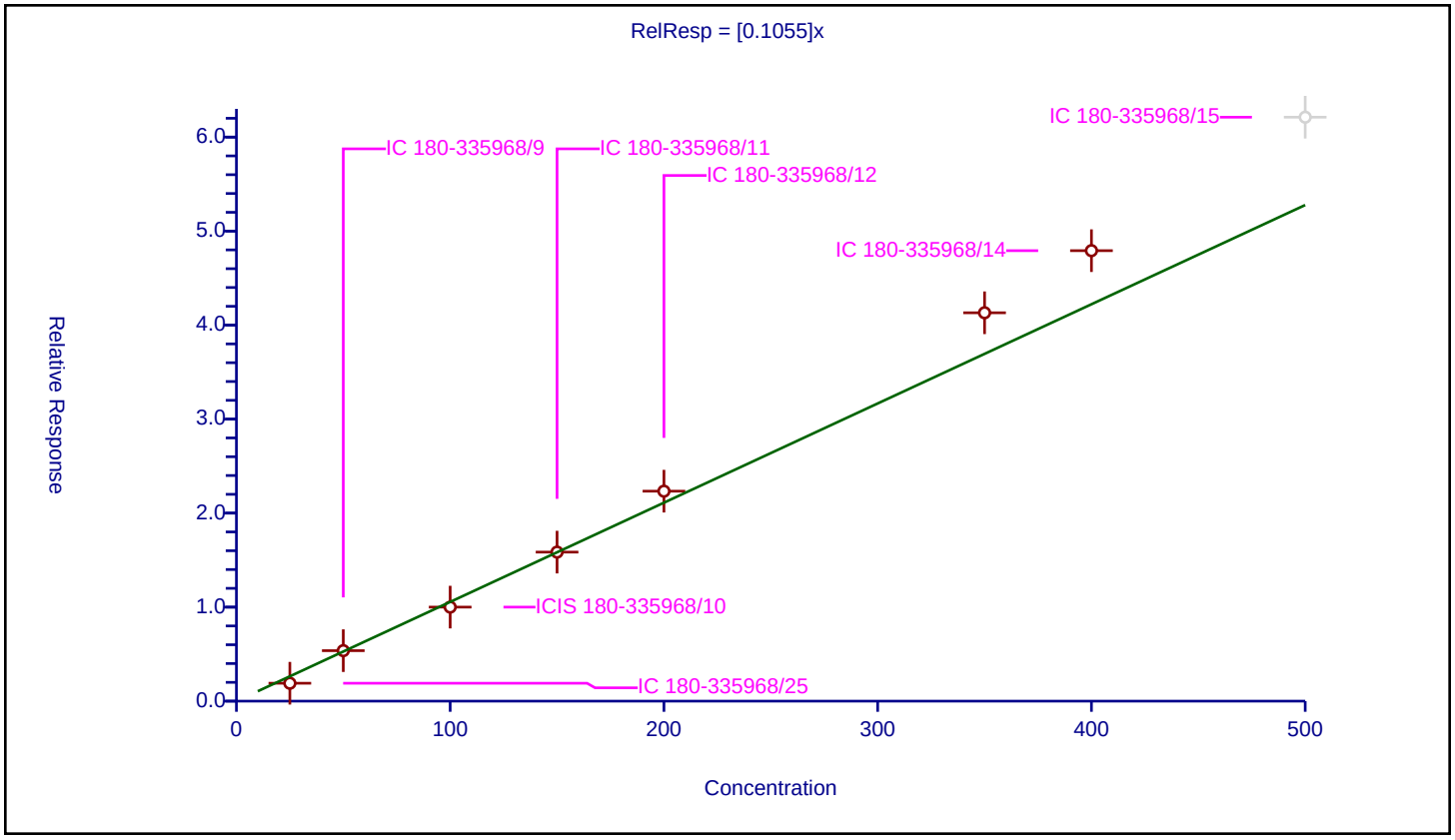
Curve Coefficients

Intercept:	0
Slope:	0.1055

Error Coefficients

Standard Error:	335000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	1.904337	50.0	399089.0	0.076173	Y
2	IC 180-335968/9	50.0	5.371009	50.0	608098.0	0.10742	Y
3	ICIS 180-335968/10	100.0	10.003805	50.0	659614.0	0.100038	Y
4	IC 180-335968/11	150.0	15.853353	50.0	633929.0	0.105689	Y
5	IC 180-335968/12	200.0	22.334834	50.0	603499.0	0.111674	Y
6	IC 180-335968/13	350.0	41.312871	50.0	557831.0	0.118037	Y
7	IC 180-335968/14	400.0	47.917592	50.0	596785.0	0.119794	Y
8	IC 180-335968/15	500.0	62.114892	50.0	597851.0	0.12423	N



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

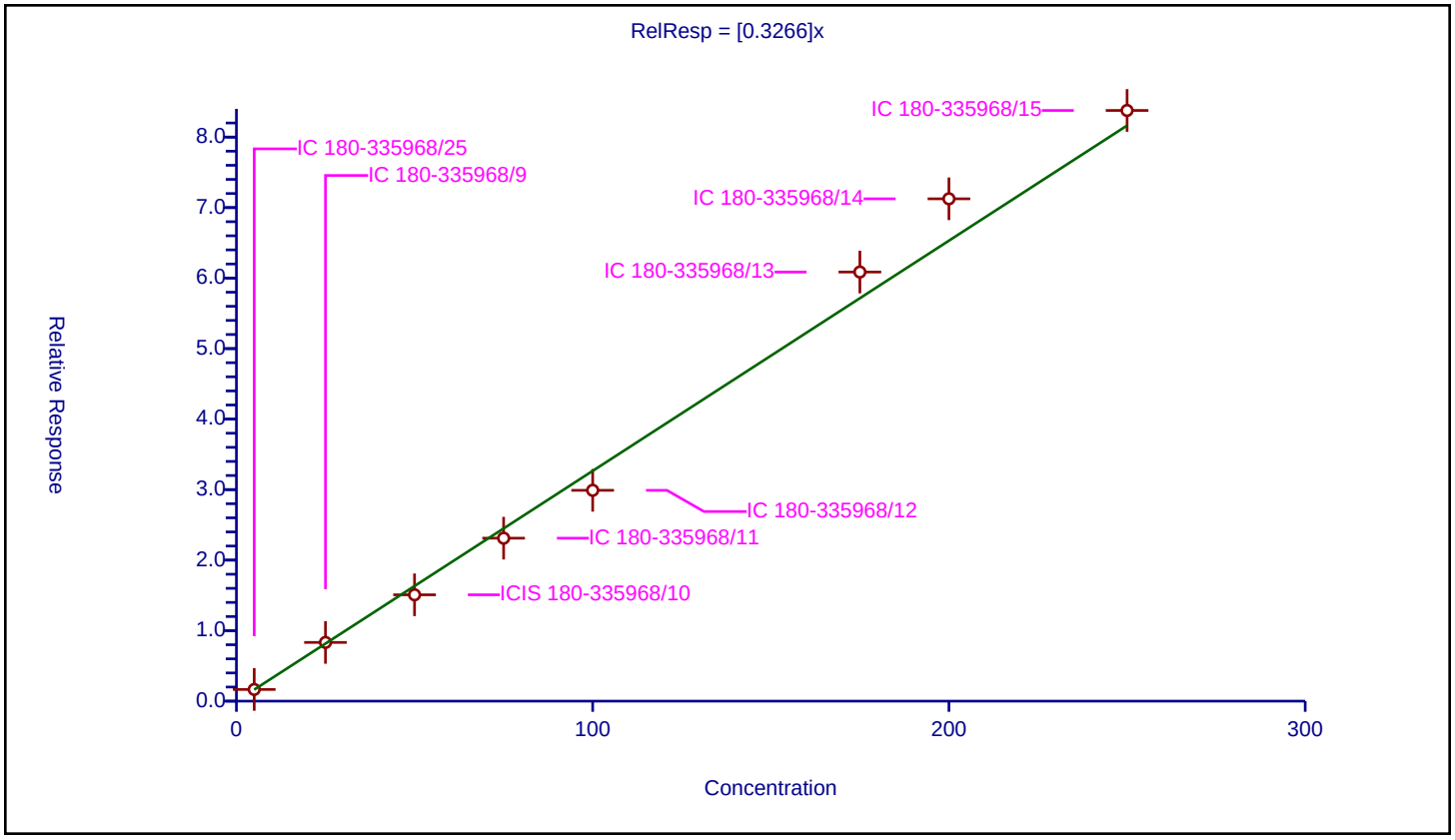
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	592000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.656397	50.0	399089.0	0.331279	Y
2	IC 180-335968/9	25.0	8.328345	50.0	608098.0	0.333134	Y
3	ICIS 180-335968/10	50.0	15.082154	50.0	659614.0	0.301643	Y
4	IC 180-335968/11	75.0	23.113708	50.0	633929.0	0.308183	Y
5	IC 180-335968/12	100.0	29.903115	50.0	603499.0	0.299031	Y
6	IC 180-335968/13	175.0	60.862967	50.0	557831.0	0.347788	Y
7	IC 180-335968/14	200.0	71.247183	50.0	596785.0	0.356236	Y
8	IC 180-335968/15	250.0	83.776727	50.0	597851.0	0.335107	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

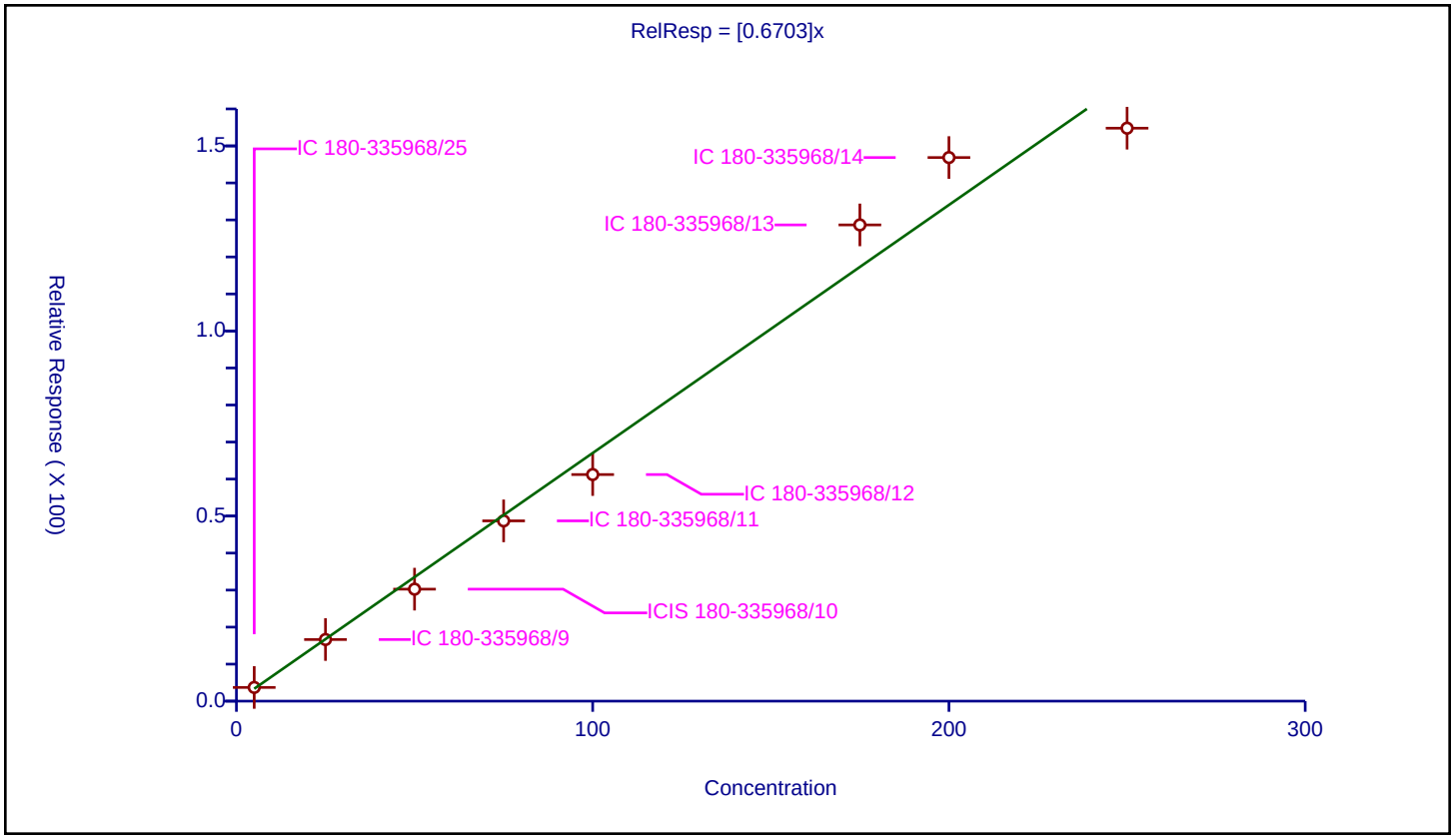
Curve Coefficients

Intercept:	0
Slope:	0.6703

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	8.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.705314	50.0	399089.0	0.741063	Y
2	IC 180-335968/9	25.0	16.644357	50.0	608098.0	0.665774	Y
3	ICIS 180-335968/10	50.0	30.255195	50.0	659614.0	0.605104	Y
4	IC 180-335968/11	75.0	48.699223	50.0	633929.0	0.649323	Y
5	IC 180-335968/12	100.0	61.217334	50.0	603499.0	0.612173	Y
6	IC 180-335968/13	175.0	128.655184	50.0	557831.0	0.735172	Y
7	IC 180-335968/14	200.0	146.853808	50.0	596785.0	0.734269	Y
8	IC 180-335968/15	250.0	154.791997	50.0	597851.0	0.619168	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

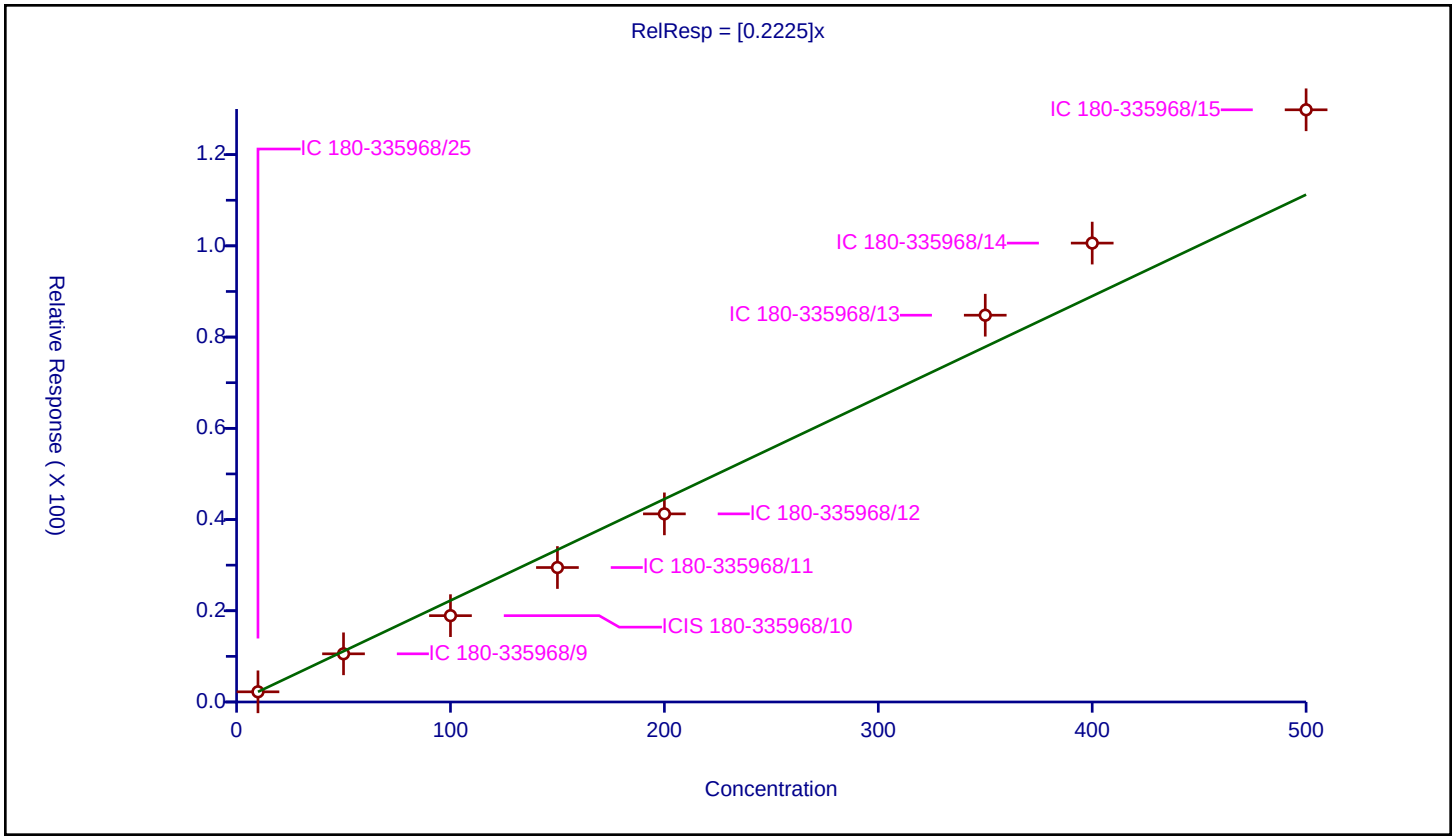
Curve Coefficients

Intercept:	0
Slope:	0.2225

Error Coefficients

Standard Error:	863000
Relative Standard Error:	11.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	10.0	2.228576	50.0	399089.0	0.222858	Y
2	IC 180-335968/9	50.0	10.563593	50.0	608098.0	0.211272	Y
3	ICIS 180-335968/10	100.0	18.927812	50.0	659614.0	0.189278	Y
4	IC 180-335968/11	150.0	29.480115	50.0	633929.0	0.196534	Y
5	IC 180-335968/12	200.0	41.244559	50.0	603499.0	0.206223	Y
6	IC 180-335968/13	350.0	84.795664	50.0	557831.0	0.242273	Y
7	IC 180-335968/14	400.0	100.606248	50.0	596785.0	0.251516	Y
8	IC 180-335968/15	500.0	129.830426	50.0	597851.0	0.259661	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

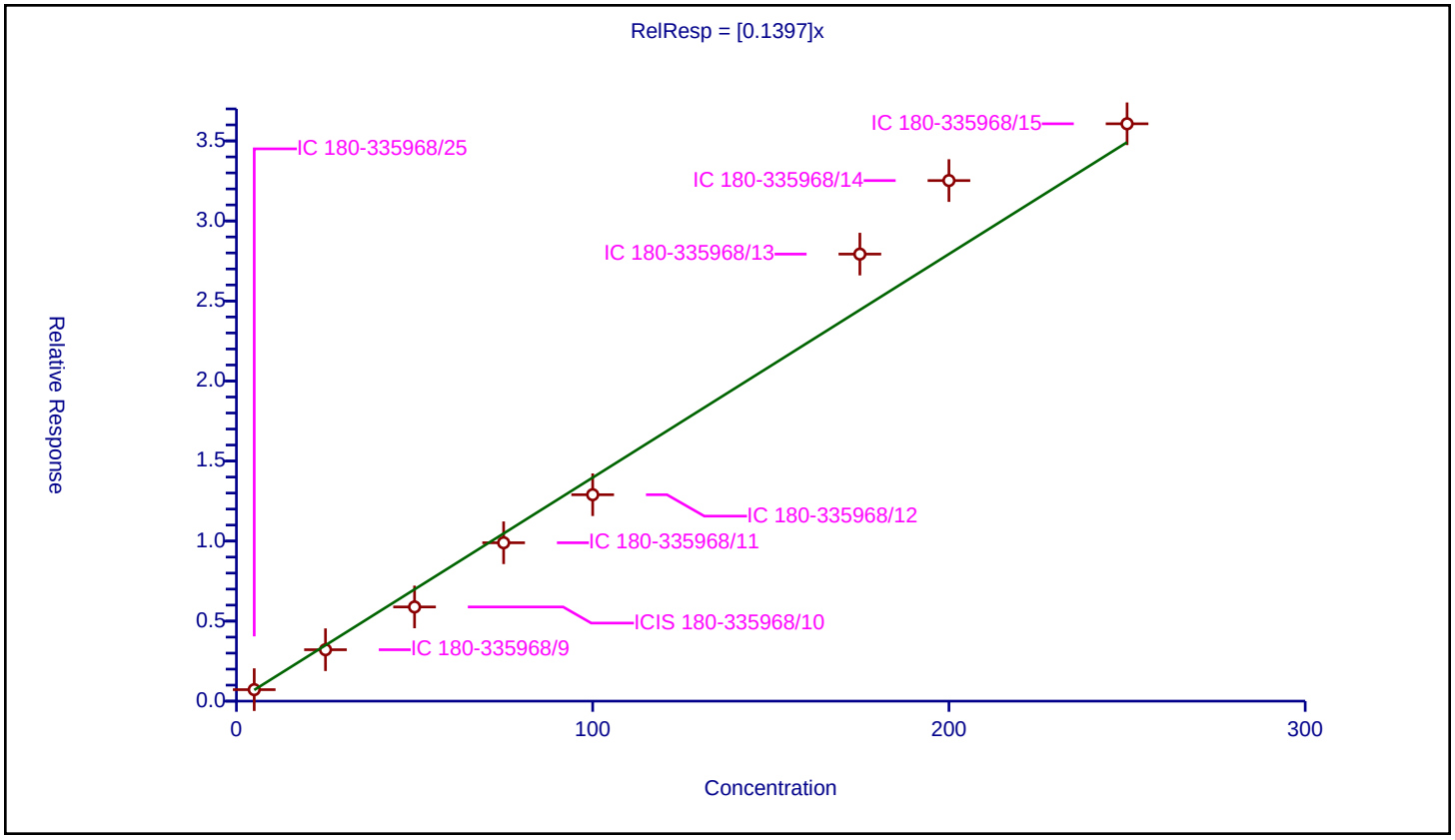
Curve Coefficients

Intercept:	0
Slope:	0.1397

Error Coefficients

Standard Error:	262000
Relative Standard Error:	11.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.718511	50.0	399089.0	0.143702	Y
2	IC 180-335968/9	25.0	3.212558	50.0	608098.0	0.128502	Y
3	ICIS 180-335968/10	50.0	5.883668	50.0	659614.0	0.117673	Y
4	IC 180-335968/11	75.0	9.895351	50.0	633929.0	0.131938	Y
5	IC 180-335968/12	100.0	12.896293	50.0	603499.0	0.128963	Y
6	IC 180-335968/13	175.0	27.927724	50.0	557831.0	0.159587	Y
7	IC 180-335968/14	200.0	32.523103	50.0	596785.0	0.162616	Y
8	IC 180-335968/15	250.0	36.069188	50.0	597851.0	0.144277	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

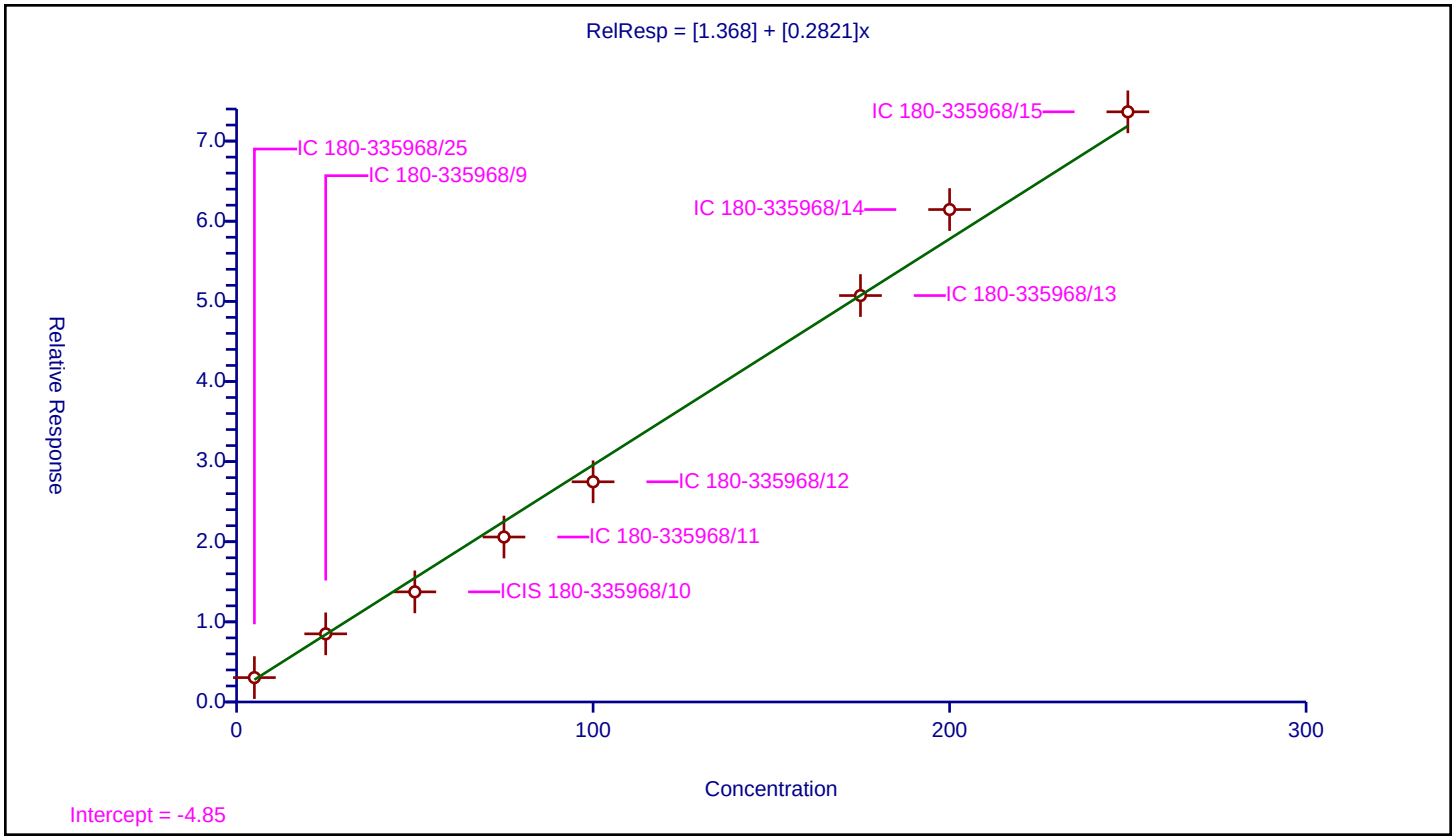
Curve Coefficients

Intercept:	1.368
Slope:	0.2821

Error Coefficients

Standard Error:	556000
Relative Standard Error:	10.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.041803	50.0	399089.0	0.608361	Y
2	IC 180-335968/9	25.0	8.505701	50.0	608098.0	0.340228	Y
3	ICIS 180-335968/10	50.0	13.743417	50.0	659614.0	0.274868	Y
4	IC 180-335968/11	75.0	20.586927	50.0	633929.0	0.274492	Y
5	IC 180-335968/12	100.0	27.48041	50.0	603499.0	0.274804	Y
6	IC 180-335968/13	175.0	50.721455	50.0	557831.0	0.289837	Y
7	IC 180-335968/14	200.0	61.455214	50.0	596785.0	0.307276	Y
8	IC 180-335968/15	250.0	73.651462	50.0	597851.0	0.294606	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

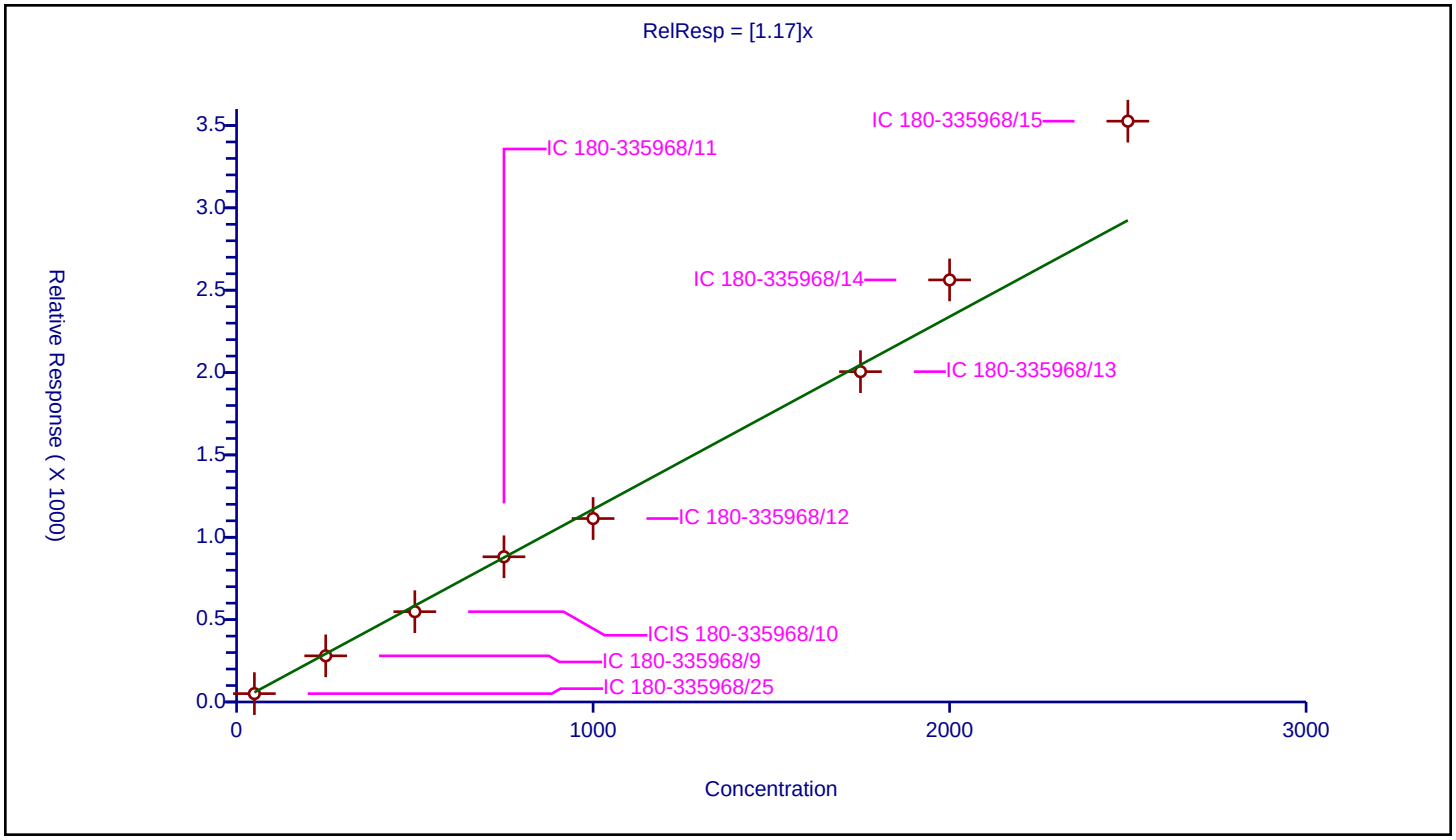
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	456000
Relative Standard Error:	10.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	50.0	50.683049	1000.0	153503.0	1.013661	Y
2	IC 180-335968/9	250.0	280.11595	1000.0	208021.0	1.120464	Y
3	ICIS 180-335968/10	500.0	548.273682	1000.0	216733.0	1.096547	Y
4	IC 180-335968/11	750.0	881.556972	1000.0	216754.0	1.175409	Y
5	IC 180-335968/12	1000.0	1113.775686	1000.0	226094.0	1.113776	Y
6	IC 180-335968/13	1750.0	2005.47951	1000.0	237065.0	1.145988	Y
7	IC 180-335968/14	2000.0	2562.347682	1000.0	252760.0	1.281174	Y
8	IC 180-335968/15	2500.0	3526.223696	1000.0	238315.0	1.410489	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

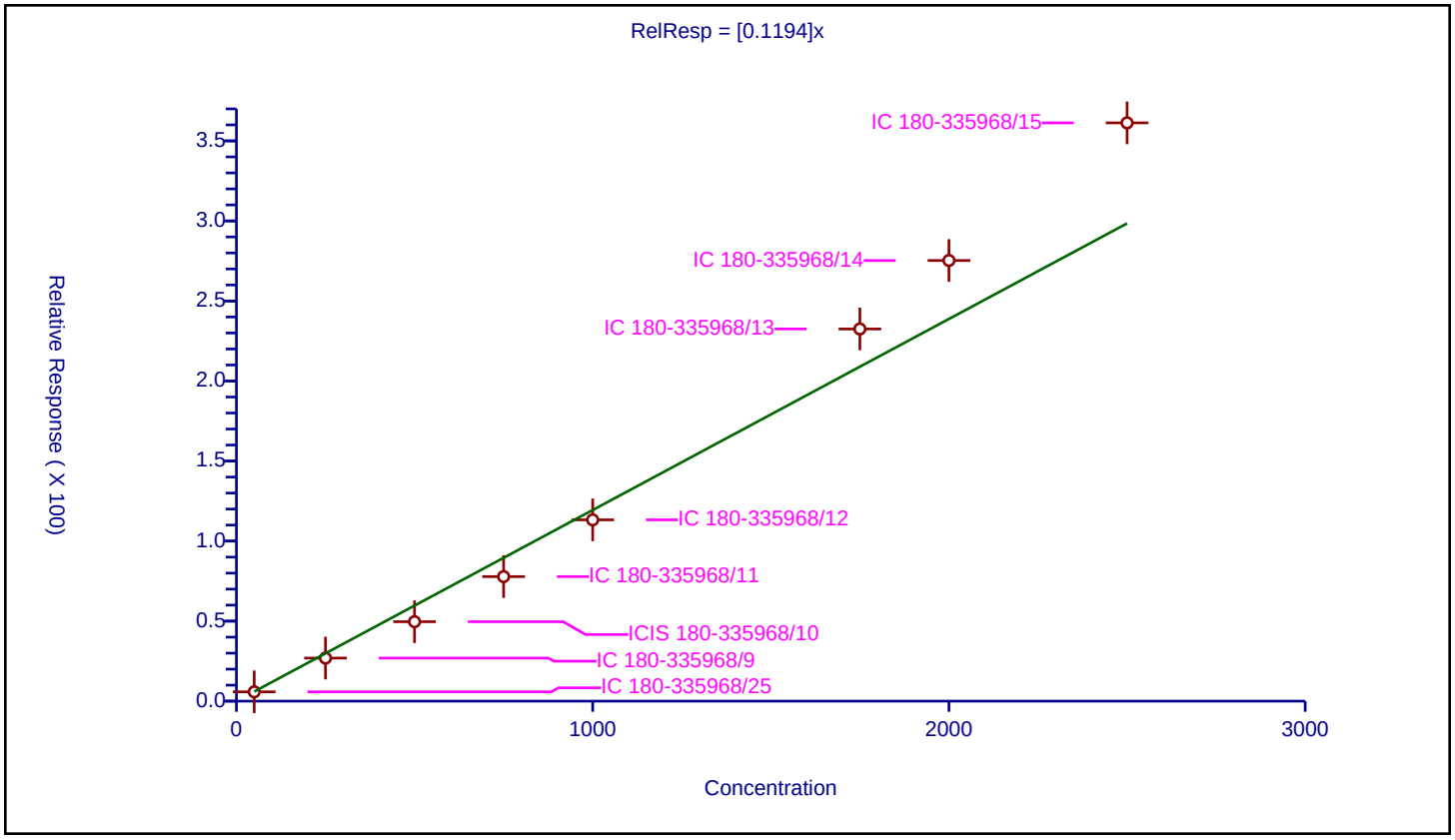
Curve Coefficients

Intercept:	0
Slope:	0.1194

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	14.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	50.0	5.810233	50.0	399089.0	0.116205	Y
2	IC 180-335968/9	250.0	26.903312	50.0	608098.0	0.107613	Y
3	ICIS 180-335968/10	500.0	49.626524	50.0	659614.0	0.099253	Y
4	IC 180-335968/11	750.0	77.805322	50.0	633929.0	0.10374	Y
5	IC 180-335968/12	1000.0	113.250809	50.0	603499.0	0.113251	Y
6	IC 180-335968/13	1750.0	232.506799	50.0	557831.0	0.132861	Y
7	IC 180-335968/14	2000.0	275.294118	50.0	596785.0	0.137647	Y
8	IC 180-335968/15	2500.0	361.267774	50.0	597851.0	0.144507	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

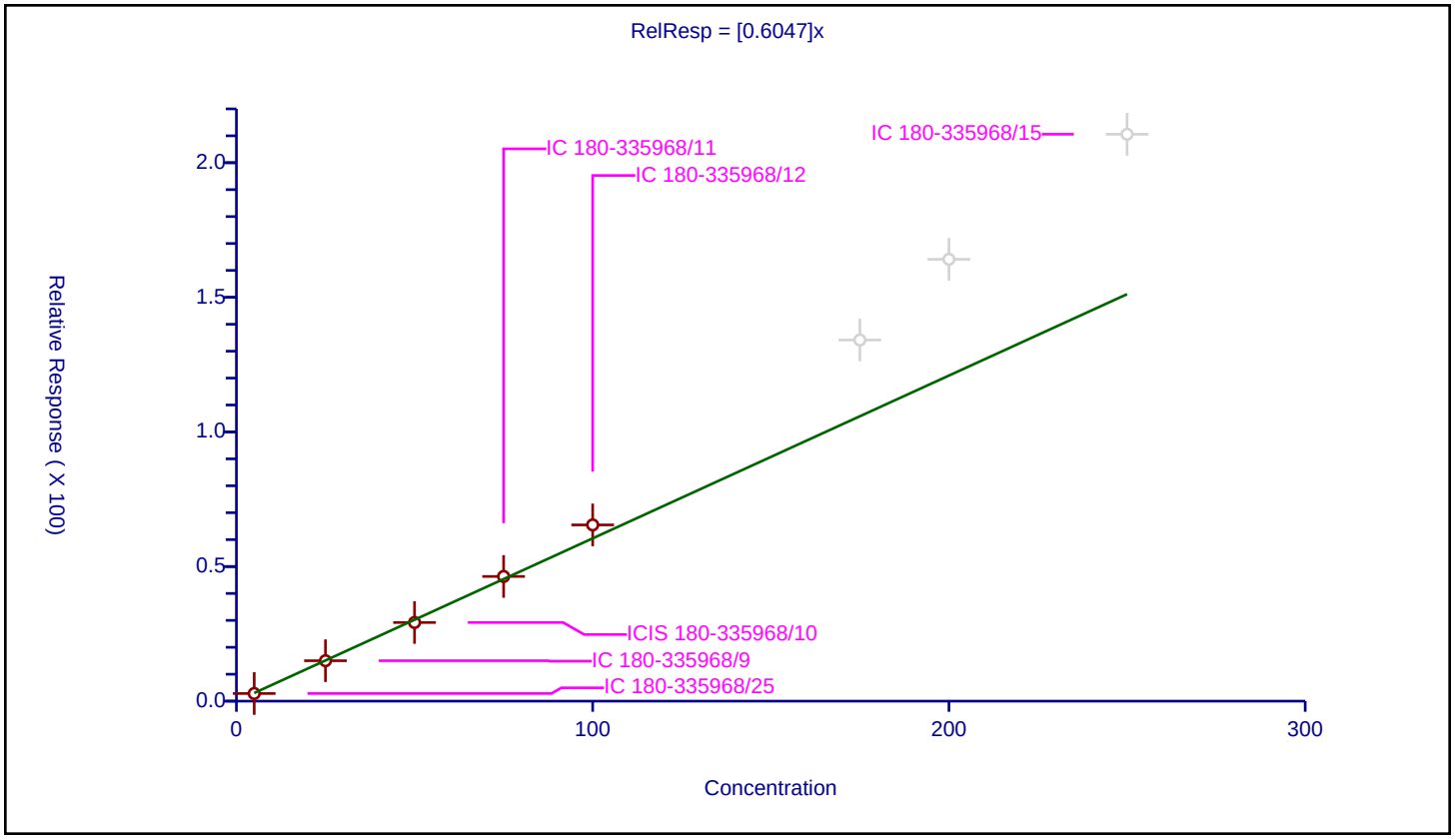
Curve Coefficients

Intercept:	0
Slope:	0.6047

Error Coefficients

Standard Error:	537000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.832326	50.0	399089.0	0.566465	Y
2	IC 180-335968/9	25.0	15.014274	50.0	608098.0	0.600571	Y
3	ICIS 180-335968/10	50.0	29.211781	50.0	659614.0	0.584236	Y
4	IC 180-335968/11	75.0	46.316543	50.0	633929.0	0.617554	Y
5	IC 180-335968/12	100.0	65.462909	50.0	603499.0	0.654629	Y
6	IC 180-335968/13	175.0	134.145736	50.0	557831.0	0.766547	N
7	IC 180-335968/14	200.0	164.129544	50.0	596785.0	0.820648	N
8	IC 180-335968/15	250.0	210.578221	50.0	597851.0	0.842313	N



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

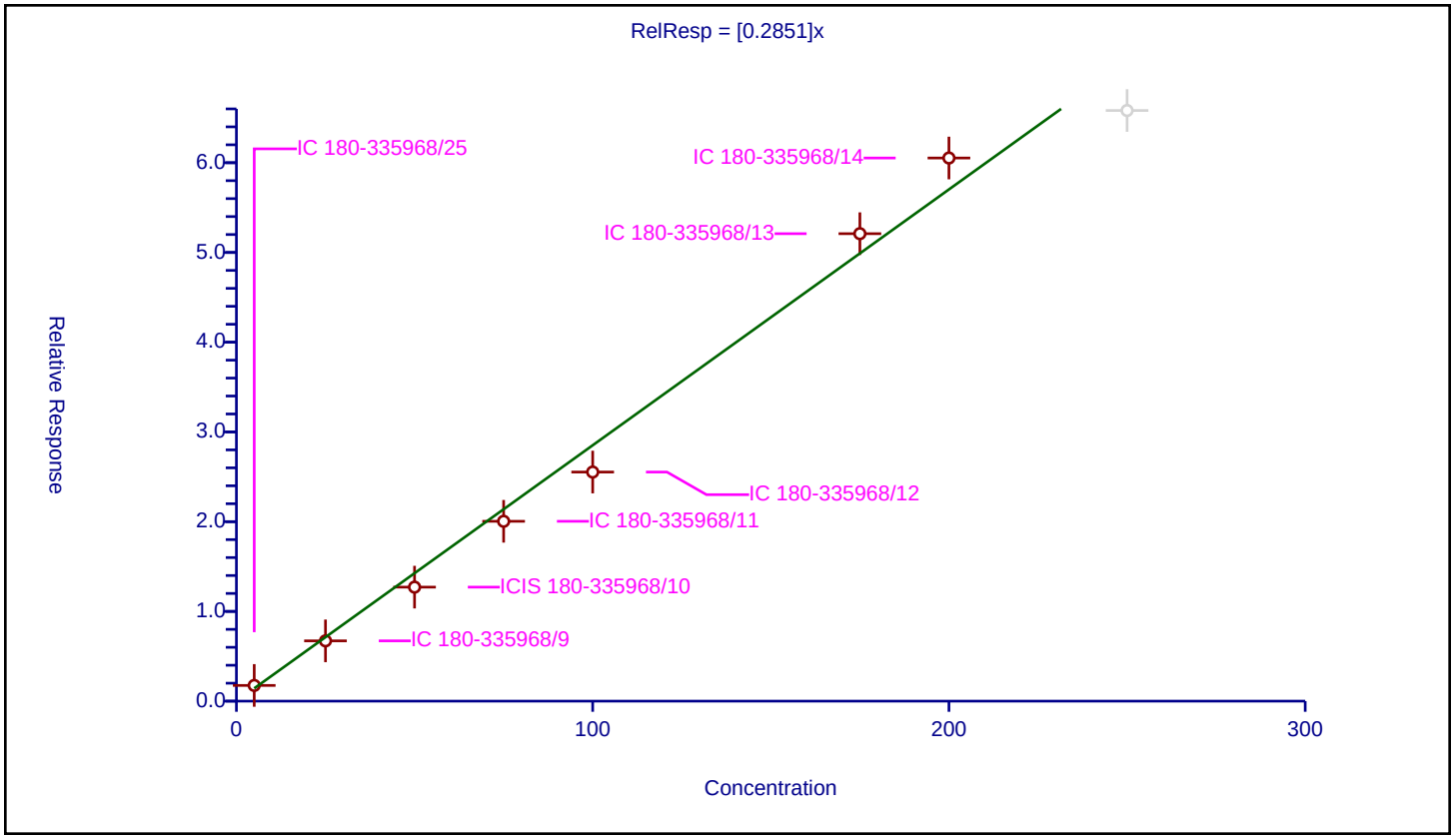
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Standard Error:	419000
Relative Standard Error:	12.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.750612	50.0	399089.0	0.350122	Y
2	IC 180-335968/9	25.0	6.719229	50.0	608098.0	0.268769	Y
3	ICIS 180-335968/10	50.0	12.704172	50.0	659614.0	0.254083	Y
4	IC 180-335968/11	75.0	20.04144	50.0	633929.0	0.267219	Y
5	IC 180-335968/12	100.0	25.531111	50.0	603499.0	0.255311	Y
6	IC 180-335968/13	175.0	52.093017	50.0	557831.0	0.297674	Y
7	IC 180-335968/14	200.0	60.525985	50.0	596785.0	0.30263	Y
8	IC 180-335968/15	250.0	65.818908	50.0	597851.0	0.263276	N



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

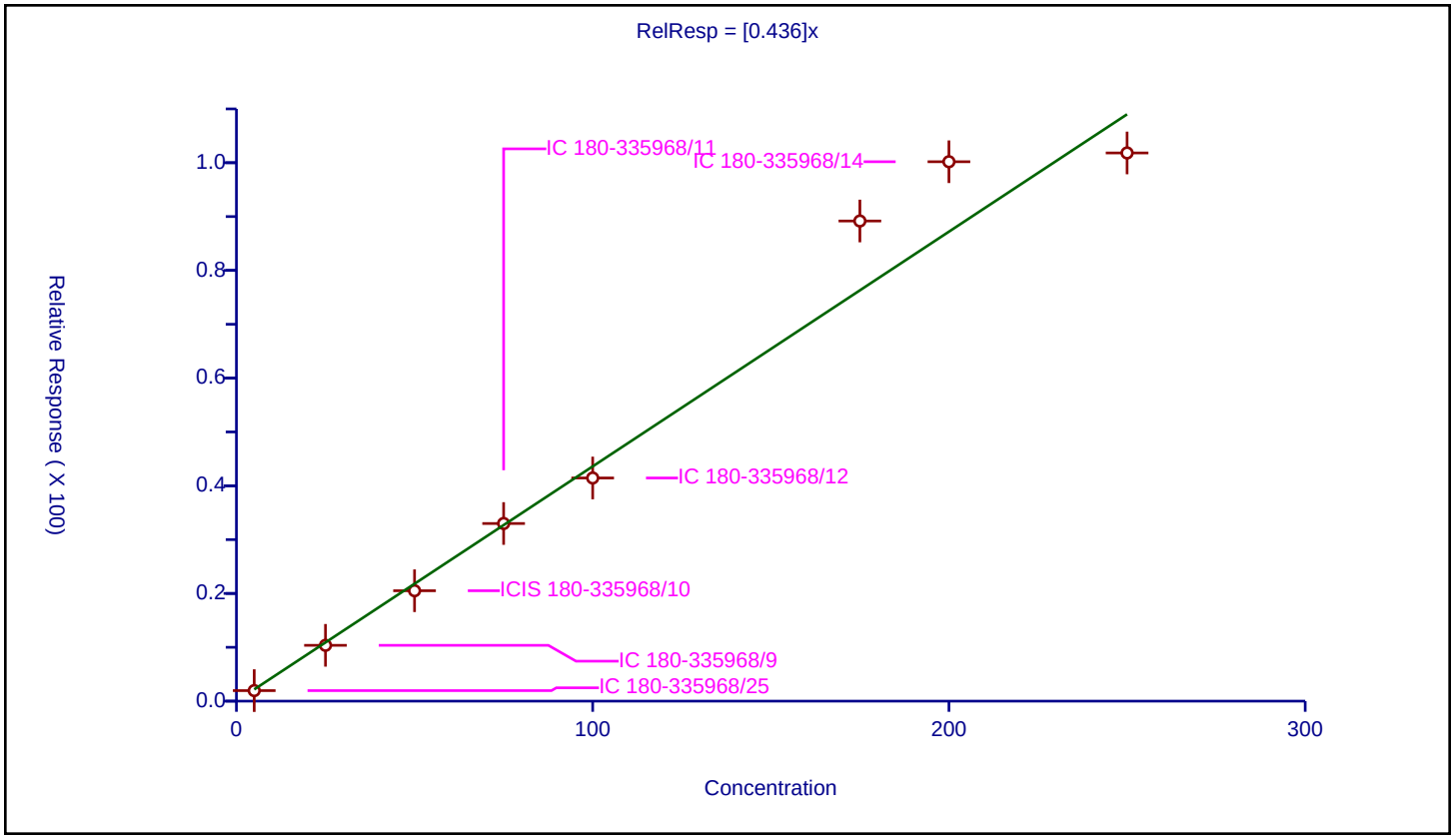
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	794000
Relative Standard Error:	10.3
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.955203	50.0	399089.0	0.391041	Y
2	IC 180-335968/9	25.0	10.363708	50.0	608098.0	0.414548	Y
3	ICIS 180-335968/10	50.0	20.505098	50.0	659614.0	0.410102	Y
4	IC 180-335968/11	75.0	32.9936	50.0	633929.0	0.439915	Y
5	IC 180-335968/12	100.0	41.448702	50.0	603499.0	0.414487	Y
6	IC 180-335968/13	175.0	89.178353	50.0	557831.0	0.509591	Y
7	IC 180-335968/14	200.0	100.185243	50.0	596785.0	0.500926	Y
8	IC 180-335968/15	250.0	101.819266	50.0	597851.0	0.407277	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

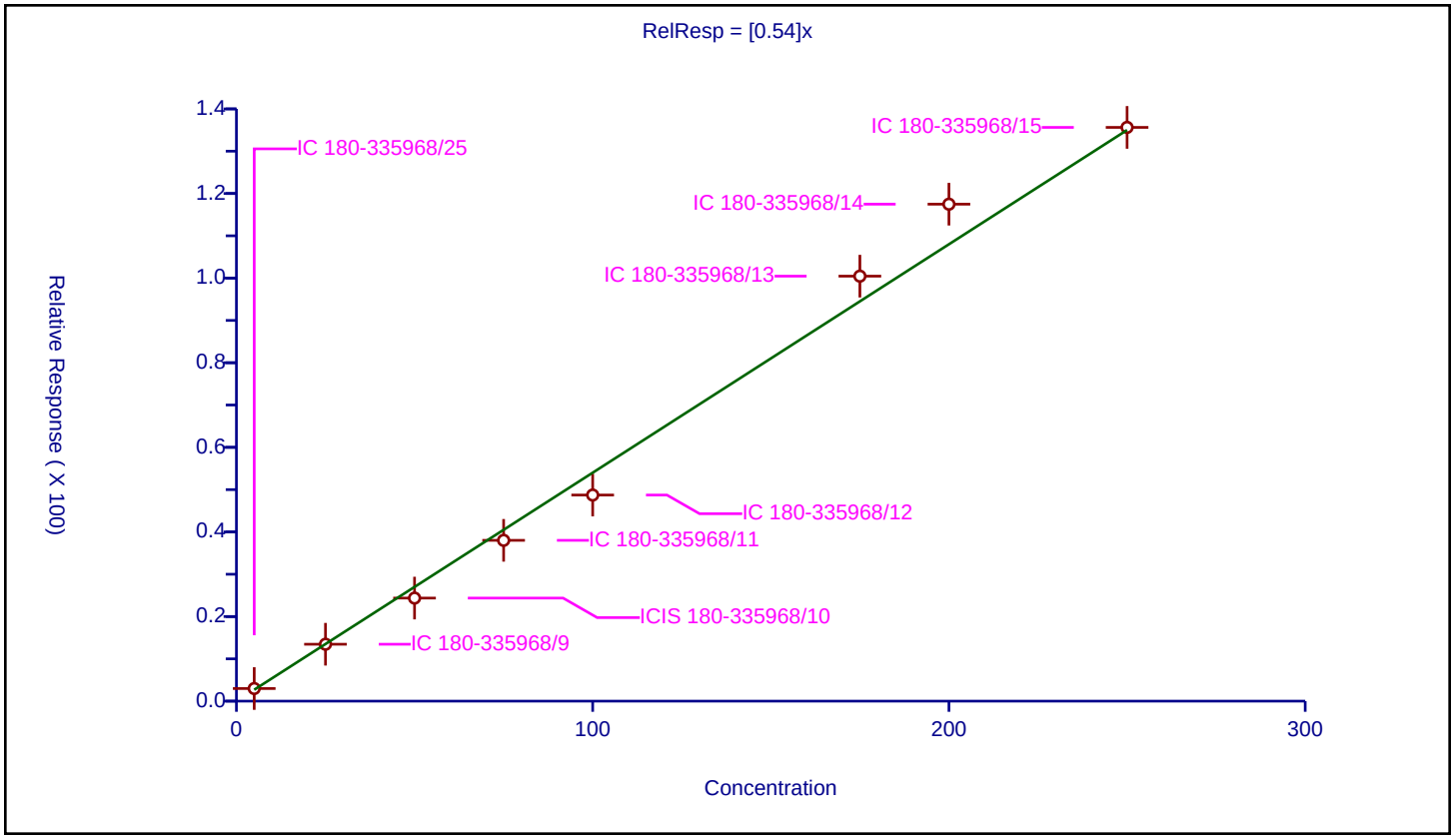
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	968000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.983294	50.0	399089.0	0.596659	Y
2	IC 180-335968/9	25.0	13.454328	50.0	608098.0	0.538173	Y
3	ICIS 180-335968/10	50.0	24.361596	50.0	659614.0	0.487232	Y
4	IC 180-335968/11	75.0	38.010171	50.0	633929.0	0.506802	Y
5	IC 180-335968/12	100.0	48.719882	50.0	603499.0	0.487199	Y
6	IC 180-335968/13	175.0	100.460265	50.0	557831.0	0.574059	Y
7	IC 180-335968/14	200.0	117.474802	50.0	596785.0	0.587374	Y
8	IC 180-335968/15	250.0	135.625264	50.0	597851.0	0.542501	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

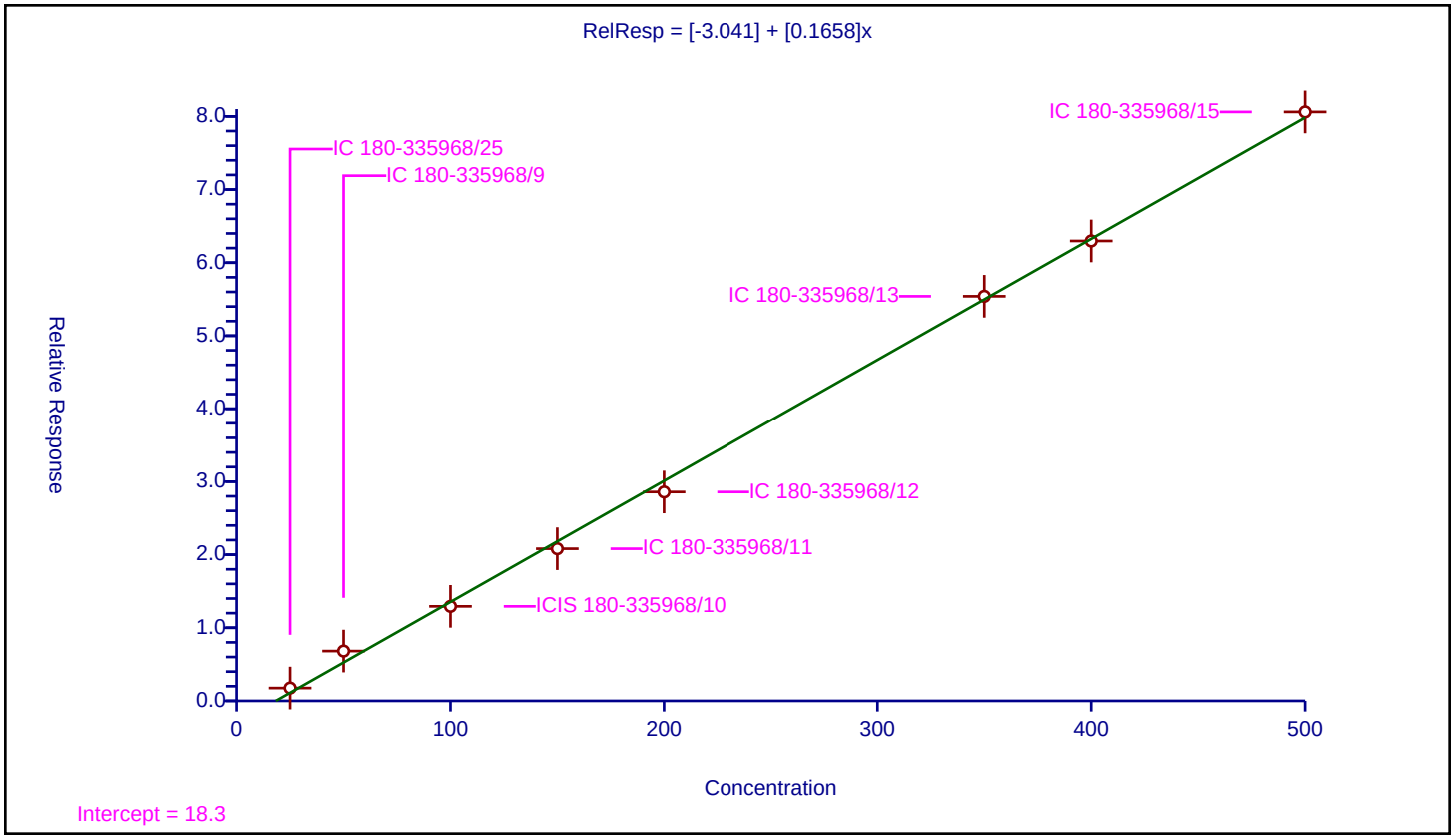
Curve Coefficients

Intercept:	-3.041
Slope:	0.1658

Error Coefficients

Standard Error:	592000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	1.753118	50.0	399089.0	0.070125	Y
2	IC 180-335968/9	50.0	6.81206	50.0	608098.0	0.136241	Y
3	ICIS 180-335968/10	100.0	12.929607	50.0	659614.0	0.129296	Y
4	IC 180-335968/11	150.0	20.819682	50.0	633929.0	0.138798	Y
5	IC 180-335968/12	200.0	28.588531	50.0	603499.0	0.142943	Y
6	IC 180-335968/13	350.0	55.404325	50.0	557831.0	0.158298	Y
7	IC 180-335968/14	400.0	62.972176	50.0	596785.0	0.15743	Y
8	IC 180-335968/15	500.0	80.607794	50.0	597851.0	0.161216	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

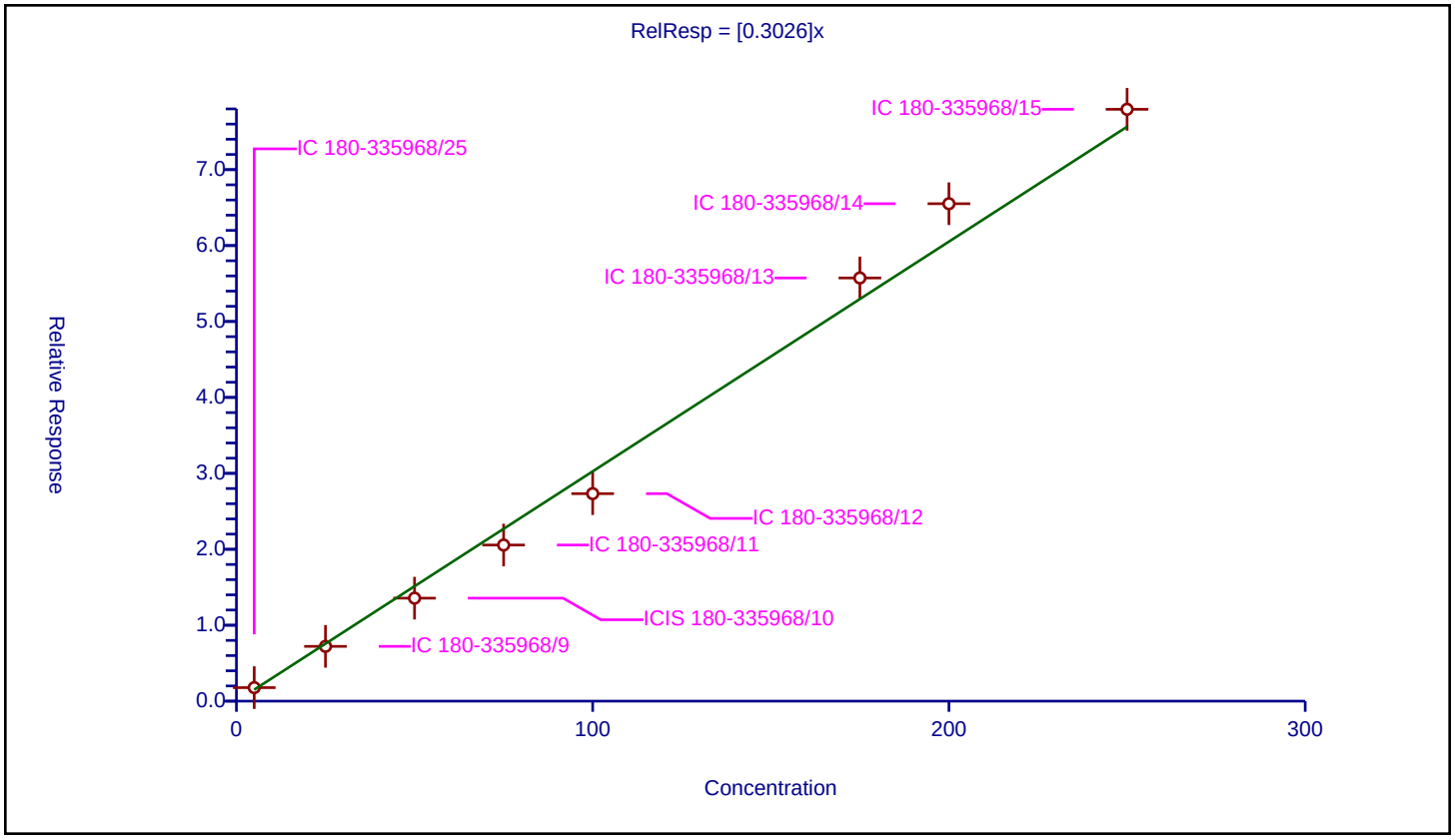
Curve Coefficients

Intercept:	0
Slope:	0.3026

Error Coefficients

Standard Error:	545000
Relative Standard Error:	10.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.778676	50.0	399089.0	0.355735	Y
2	IC 180-335968/9	25.0	7.214791	50.0	608098.0	0.288592	Y
3	ICIS 180-335968/10	50.0	13.563387	50.0	659614.0	0.271268	Y
4	IC 180-335968/11	75.0	20.560347	50.0	633929.0	0.274138	Y
5	IC 180-335968/12	100.0	27.325729	50.0	603499.0	0.273257	Y
6	IC 180-335968/13	175.0	55.733098	50.0	557831.0	0.318475	Y
7	IC 180-335968/14	200.0	65.510779	50.0	596785.0	0.327554	Y
8	IC 180-335968/15	250.0	77.946846	50.0	597851.0	0.311787	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

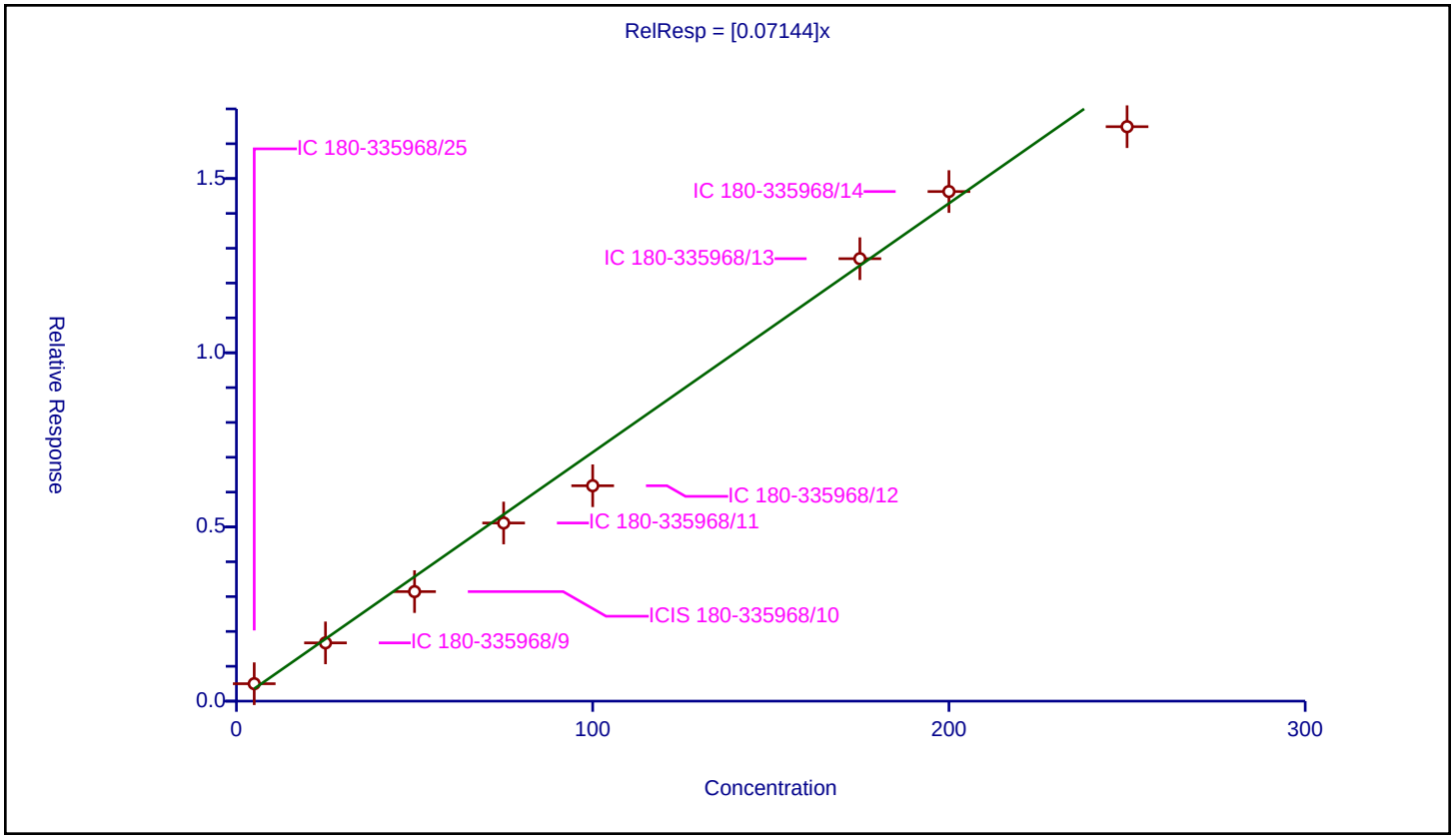
Curve Coefficients

Intercept:	0
Slope:	0.07144

Error Coefficients

Standard Error:	120000
Relative Standard Error:	17.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.500515	50.0	399089.0	0.100103	Y
2	IC 180-335968/9	25.0	1.672346	50.0	608098.0	0.066894	Y
3	ICIS 180-335968/10	50.0	3.143733	50.0	659614.0	0.062875	Y
4	IC 180-335968/11	75.0	5.11327	50.0	633929.0	0.068177	Y
5	IC 180-335968/12	100.0	6.182612	50.0	603499.0	0.061826	Y
6	IC 180-335968/13	175.0	12.700083	50.0	557831.0	0.072572	Y
7	IC 180-335968/14	200.0	14.627462	50.0	596785.0	0.073137	Y
8	IC 180-335968/15	250.0	16.489058	50.0	597851.0	0.065956	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

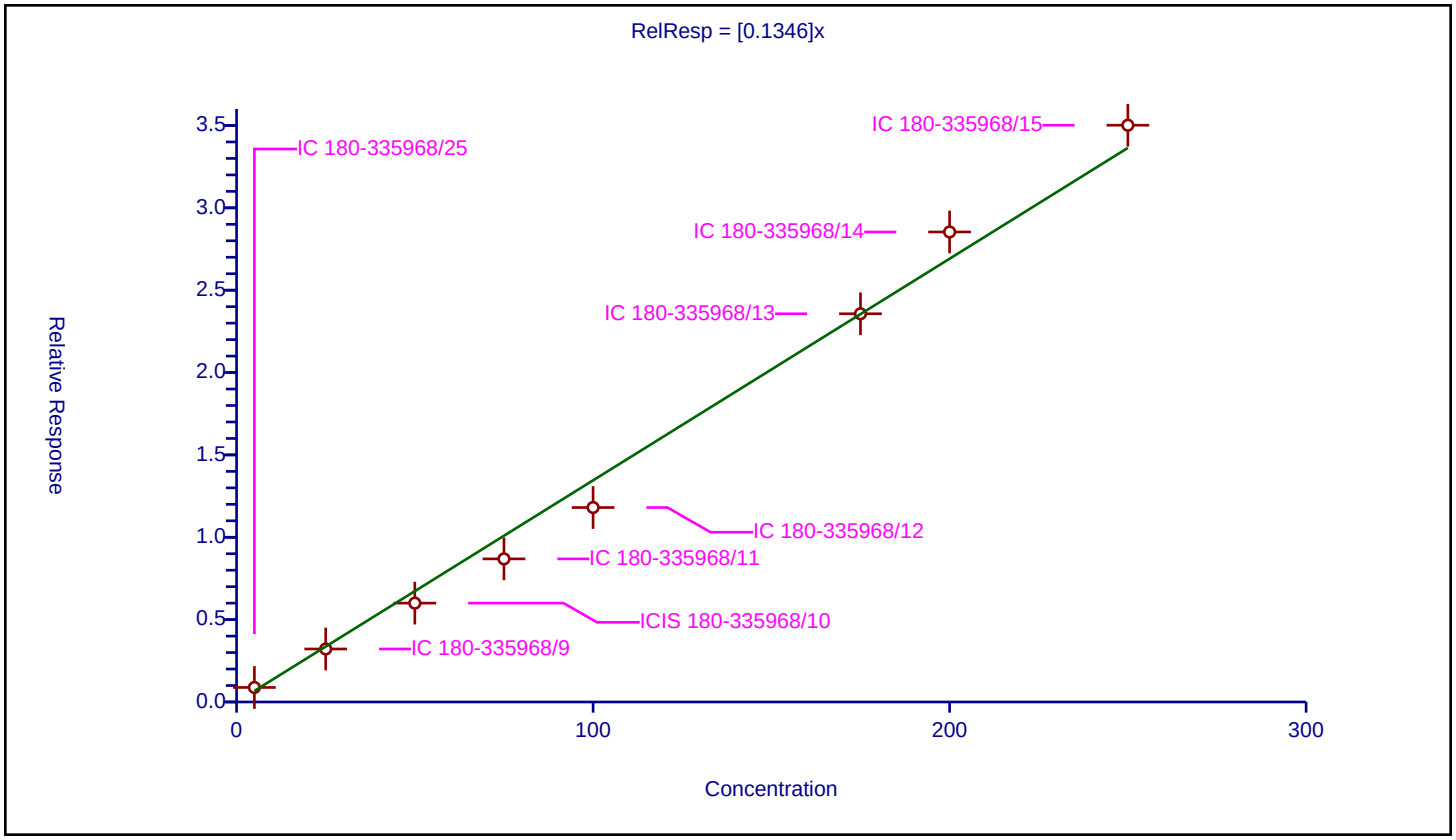
Curve Coefficients

Intercept:	0
Slope:	0.1346

Error Coefficients

Standard Error:	239000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.881883	50.0	399089.0	0.176377	Y
2	IC 180-335968/9	25.0	3.217573	50.0	608098.0	0.128703	Y
3	ICIS 180-335968/10	50.0	6.002147	50.0	659614.0	0.120043	Y
4	IC 180-335968/11	75.0	8.687803	50.0	633929.0	0.115837	Y
5	IC 180-335968/12	100.0	11.806399	50.0	603499.0	0.118064	Y
6	IC 180-335968/13	175.0	23.569594	50.0	557831.0	0.134683	Y
7	IC 180-335968/14	200.0	28.53557	50.0	596785.0	0.142678	Y
8	IC 180-335968/15	250.0	35.015832	50.0	597851.0	0.140063	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

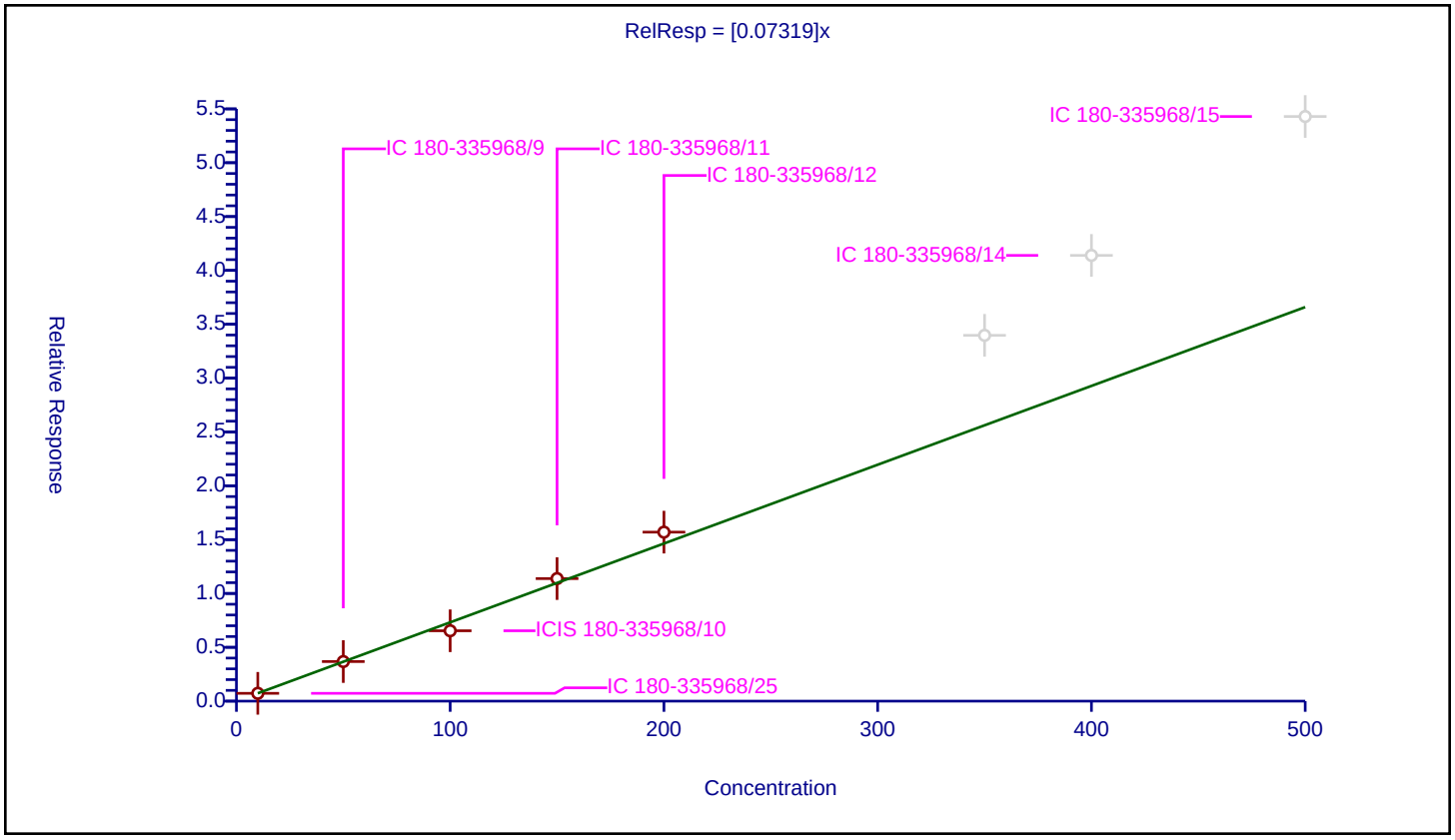
Curve Coefficients

Intercept:	0
Slope:	0.07319

Error Coefficients

Standard Error:	129000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	10.0	0.726655	50.0	399089.0	0.072665	Y
2	IC 180-335968/9	50.0	3.677532	50.0	608098.0	0.073551	Y
3	ICIS 180-335968/10	100.0	6.53602	50.0	659614.0	0.06536	Y
4	IC 180-335968/11	150.0	11.381164	50.0	633929.0	0.075874	Y
5	IC 180-335968/12	200.0	15.696132	50.0	603499.0	0.078481	Y
6	IC 180-335968/13	350.0	33.970235	50.0	557831.0	0.097058	N
7	IC 180-335968/14	400.0	41.392964	50.0	596785.0	0.103482	N
8	IC 180-335968/15	500.0	54.291454	50.0	597851.0	0.108583	N



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

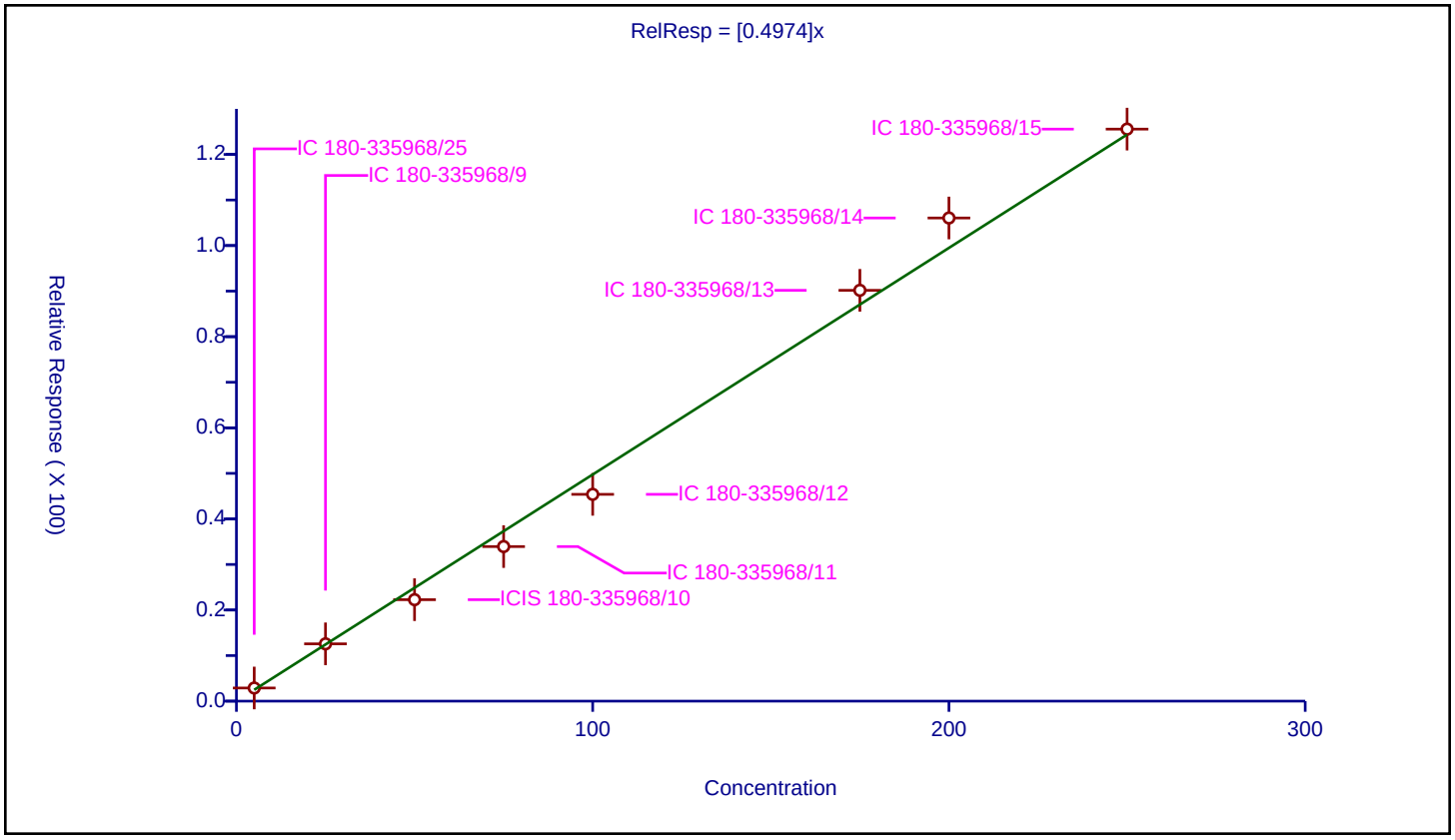
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	883000
Relative Standard Error:	9.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.884068	50.0	399089.0	0.576814	Y
2	IC 180-335968/9	25.0	12.575276	50.0	608098.0	0.503011	Y
3	ICIS 180-335968/10	50.0	22.272723	50.0	659614.0	0.445454	Y
4	IC 180-335968/11	75.0	33.931008	50.0	633929.0	0.452413	Y
5	IC 180-335968/12	100.0	45.391625	50.0	603499.0	0.453916	Y
6	IC 180-335968/13	175.0	90.176864	50.0	557831.0	0.515296	Y
7	IC 180-335968/14	200.0	106.055196	50.0	596785.0	0.530276	Y
8	IC 180-335968/15	250.0	125.563309	50.0	597851.0	0.502253	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

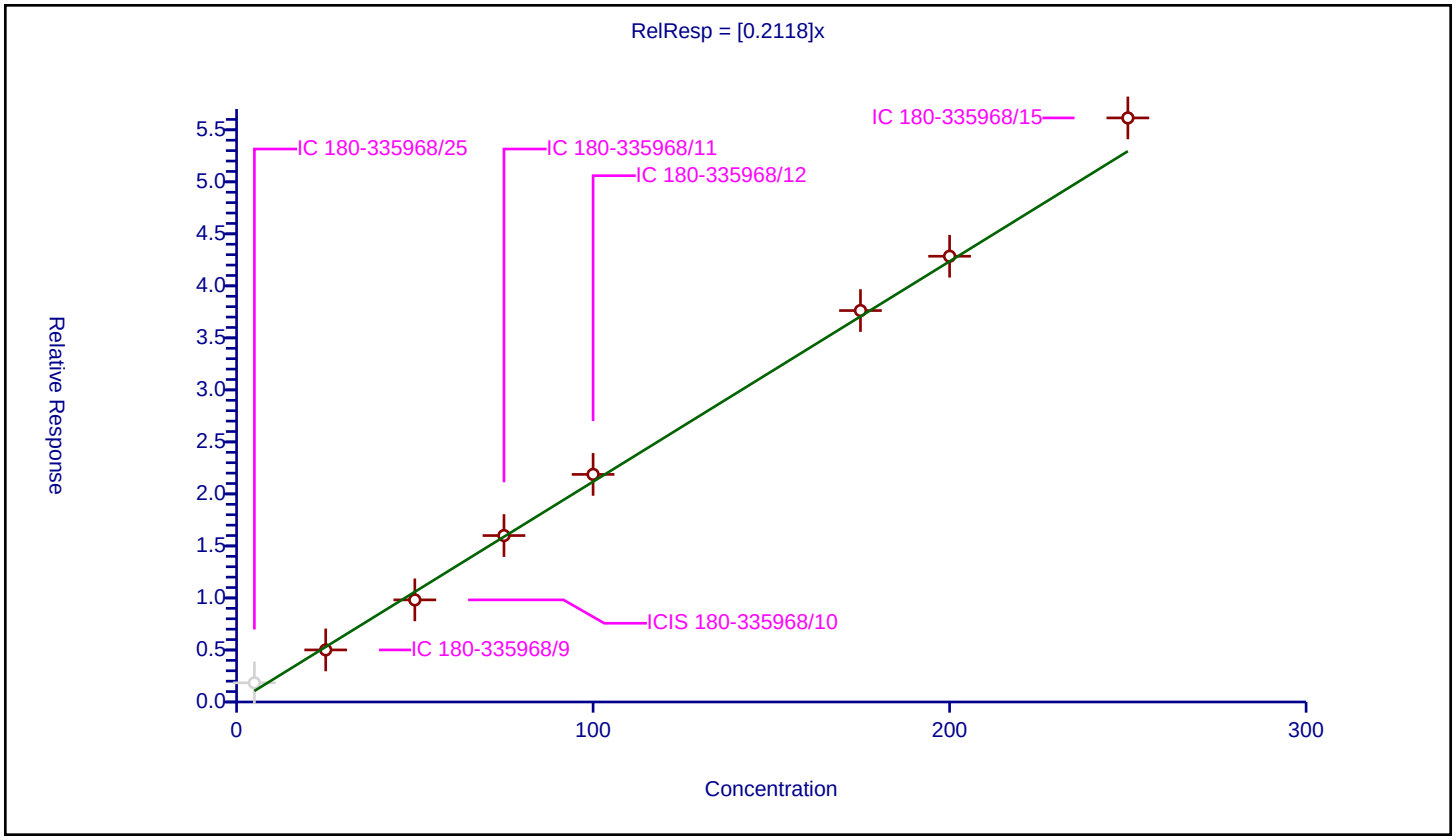
Curve Coefficients

Intercept:	0
Slope:	0.2118

Error Coefficients

Standard Error:	412000
Relative Standard Error:	4.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.842321	50.0	399089.0	0.368464	N
2	IC 180-335968/9	25.0	5.005114	50.0	608098.0	0.200205	Y
3	ICIS 180-335968/10	50.0	9.815059	50.0	659614.0	0.196301	Y
4	IC 180-335968/11	75.0	15.99911	50.0	633929.0	0.213321	Y
5	IC 180-335968/12	100.0	21.877998	50.0	603499.0	0.21878	Y
6	IC 180-335968/13	175.0	37.627077	50.0	557831.0	0.215012	Y
7	IC 180-335968/14	200.0	42.848011	50.0	596785.0	0.21424	Y
8	IC 180-335968/15	250.0	56.142668	50.0	597851.0	0.224571	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

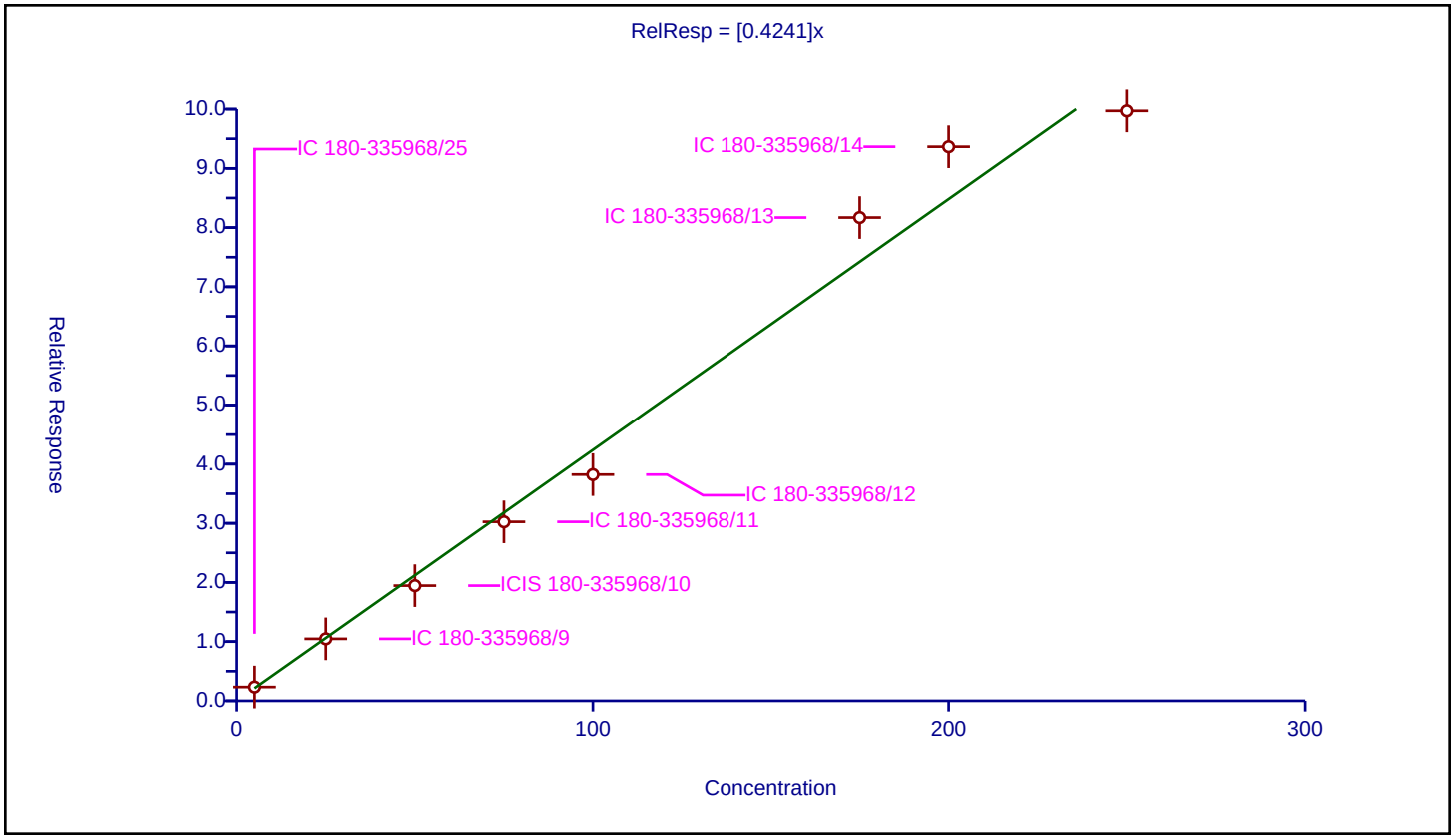
Curve Coefficients

Intercept:	0
Slope:	0.4241

Error Coefficients

Standard Error:	751000
Relative Standard Error:	8.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.325045	50.0	399089.0	0.465009	Y
2	IC 180-335968/9	25.0	10.466981	50.0	608098.0	0.418679	Y
3	ICIS 180-335968/10	50.0	19.462671	50.0	659614.0	0.389253	Y
4	IC 180-335968/11	75.0	30.251258	50.0	633929.0	0.40335	Y
5	IC 180-335968/12	100.0	38.234612	50.0	603499.0	0.382346	Y
6	IC 180-335968/13	175.0	81.69831	50.0	557831.0	0.466847	Y
7	IC 180-335968/14	200.0	93.652991	50.0	596785.0	0.468265	Y
8	IC 180-335968/15	250.0	99.701849	50.0	597851.0	0.398807	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

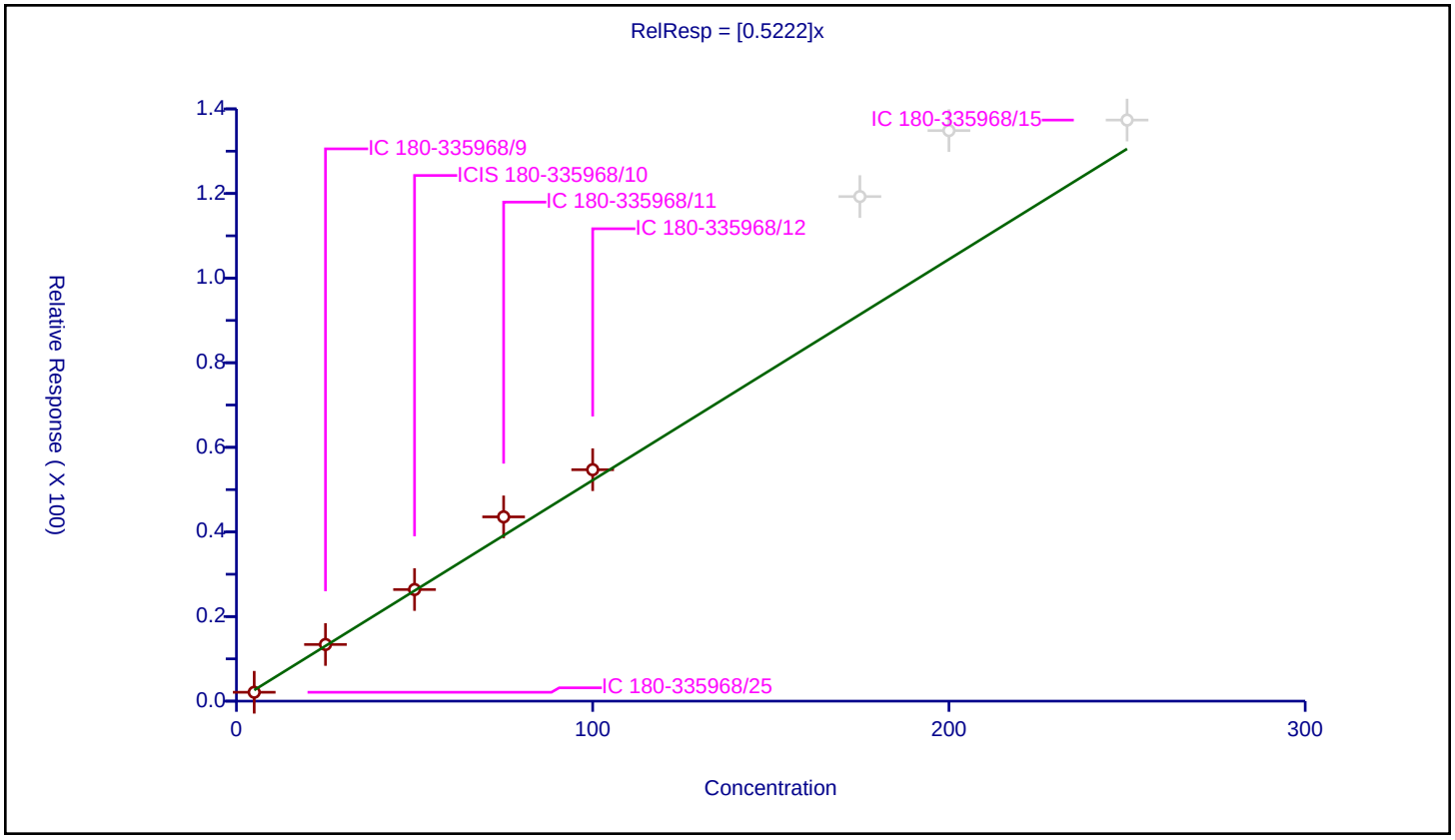
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Standard Error:	471000
Relative Standard Error:	11.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.099281	50.0	399089.0	0.419856	Y
2	IC 180-335968/9	25.0	13.394634	50.0	608098.0	0.535785	Y
3	ICIS 180-335968/10	50.0	26.380201	50.0	659614.0	0.527604	Y
4	IC 180-335968/11	75.0	43.557402	50.0	633929.0	0.580765	Y
5	IC 180-335968/12	100.0	54.707961	50.0	603499.0	0.54708	Y
6	IC 180-335968/13	175.0	119.272683	50.0	557831.0	0.681558	N
7	IC 180-335968/14	200.0	134.866912	50.0	596785.0	0.674335	N
8	IC 180-335968/15	250.0	137.363657	50.0	597851.0	0.549455	N



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

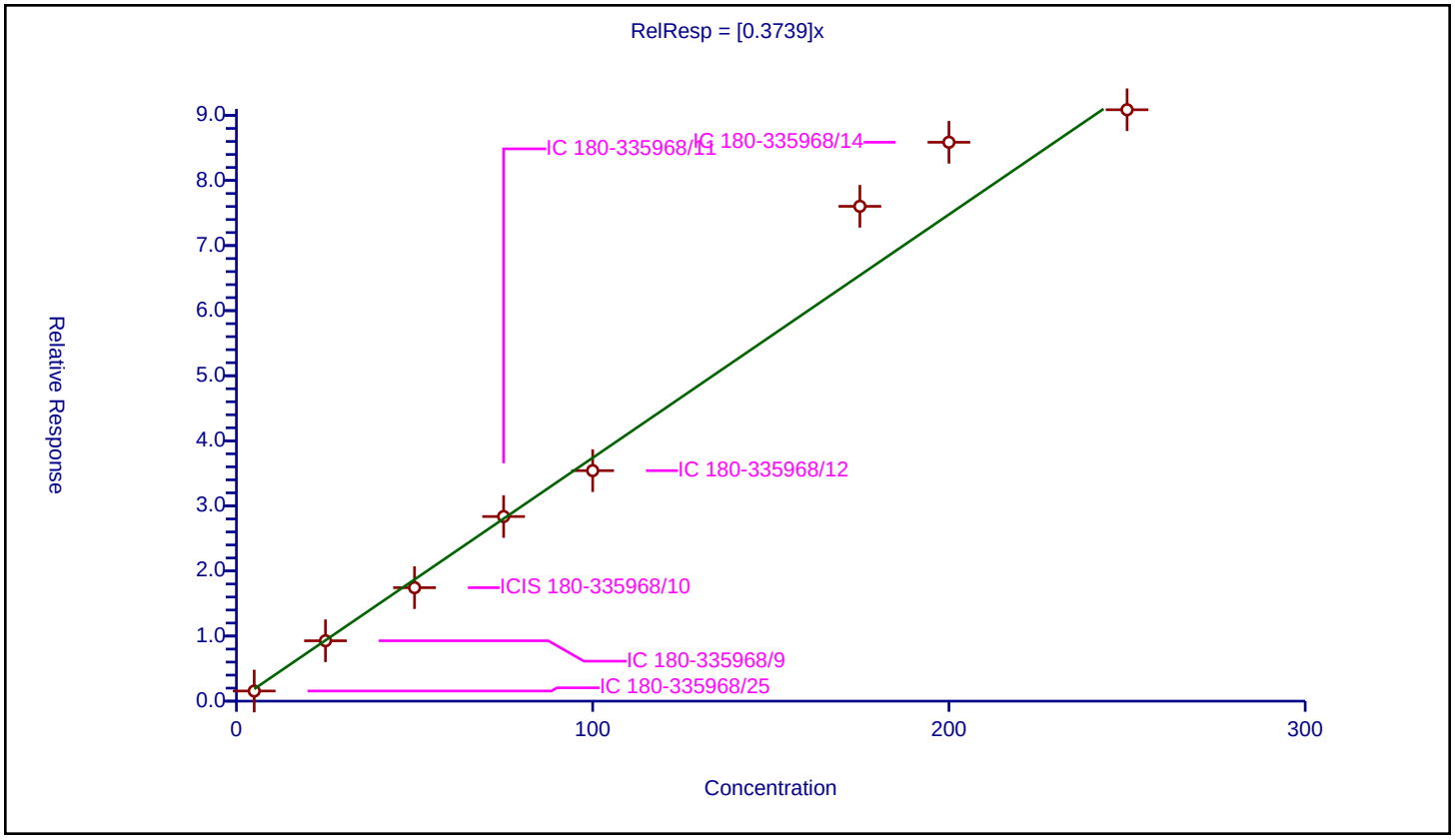
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Standard Error:	689000
Relative Standard Error:	11.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.558299	50.0	399089.0	0.31166	Y
2	IC 180-335968/9	25.0	9.274245	50.0	608098.0	0.37097	Y
3	ICIS 180-335968/10	50.0	17.433984	50.0	659614.0	0.34868	Y
4	IC 180-335968/11	75.0	28.365953	50.0	633929.0	0.378213	Y
5	IC 180-335968/12	100.0	35.415552	50.0	603499.0	0.354156	Y
6	IC 180-335968/13	175.0	76.030375	50.0	557831.0	0.434459	Y
7	IC 180-335968/14	200.0	85.870791	50.0	596785.0	0.429354	Y
8	IC 180-335968/15	250.0	90.869464	50.0	597851.0	0.363478	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

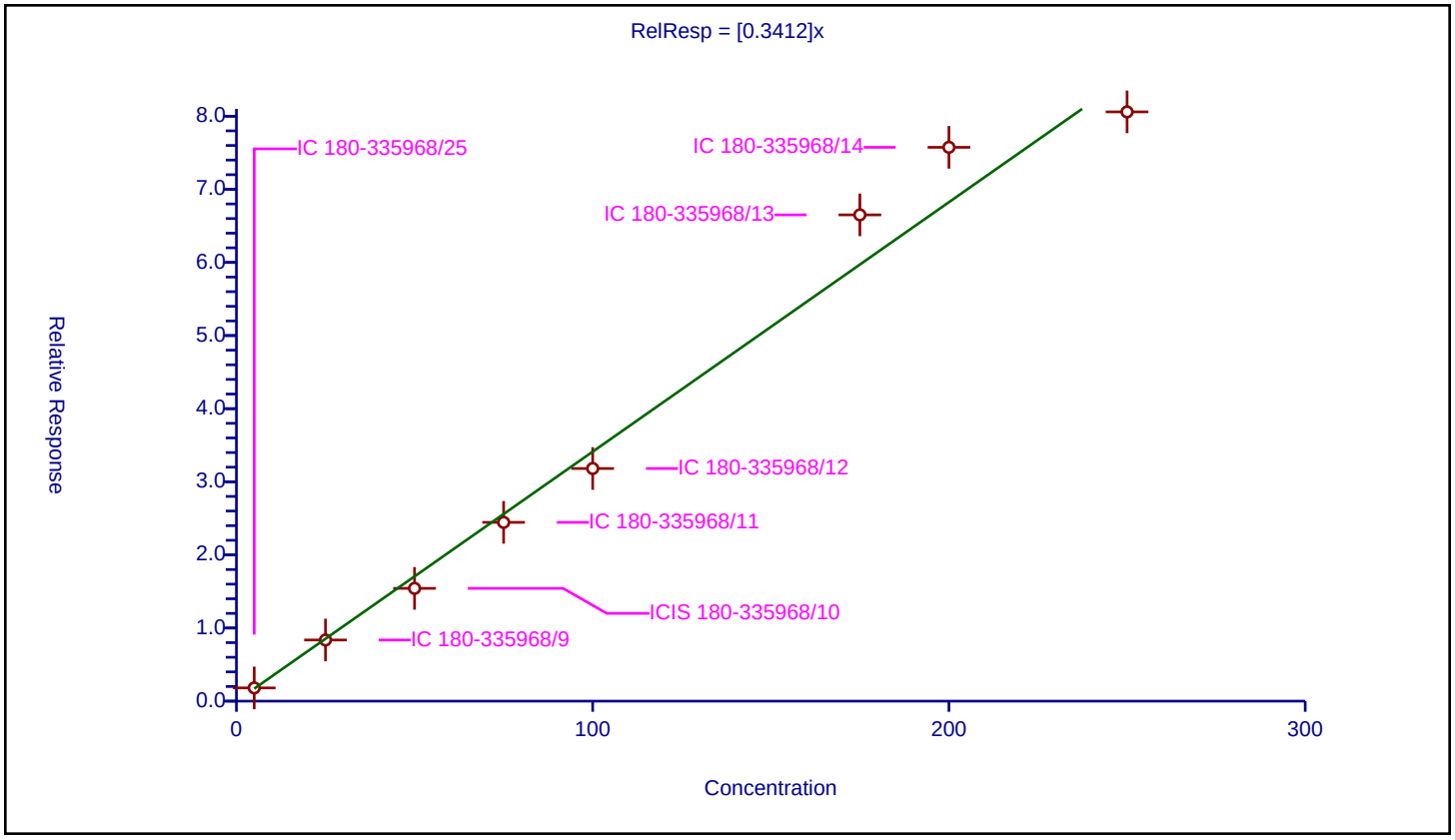
Curve Coefficients

Intercept:	0
Slope:	0.3412

Error Coefficients

Standard Error:	608000
Relative Standard Error:	8.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.806865	50.0	399089.0	0.361373	Y
2	IC 180-335968/9	25.0	8.362221	50.0	608098.0	0.334489	Y
3	ICIS 180-335968/10	50.0	15.424703	50.0	659614.0	0.308494	Y
4	IC 180-335968/11	75.0	24.450214	50.0	633929.0	0.326003	Y
5	IC 180-335968/12	100.0	31.816208	50.0	603499.0	0.318162	Y
6	IC 180-335968/13	175.0	66.506971	50.0	557831.0	0.38004	Y
7	IC 180-335968/14	200.0	75.744782	50.0	596785.0	0.378724	Y
8	IC 180-335968/15	250.0	80.593492	50.0	597851.0	0.322374	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

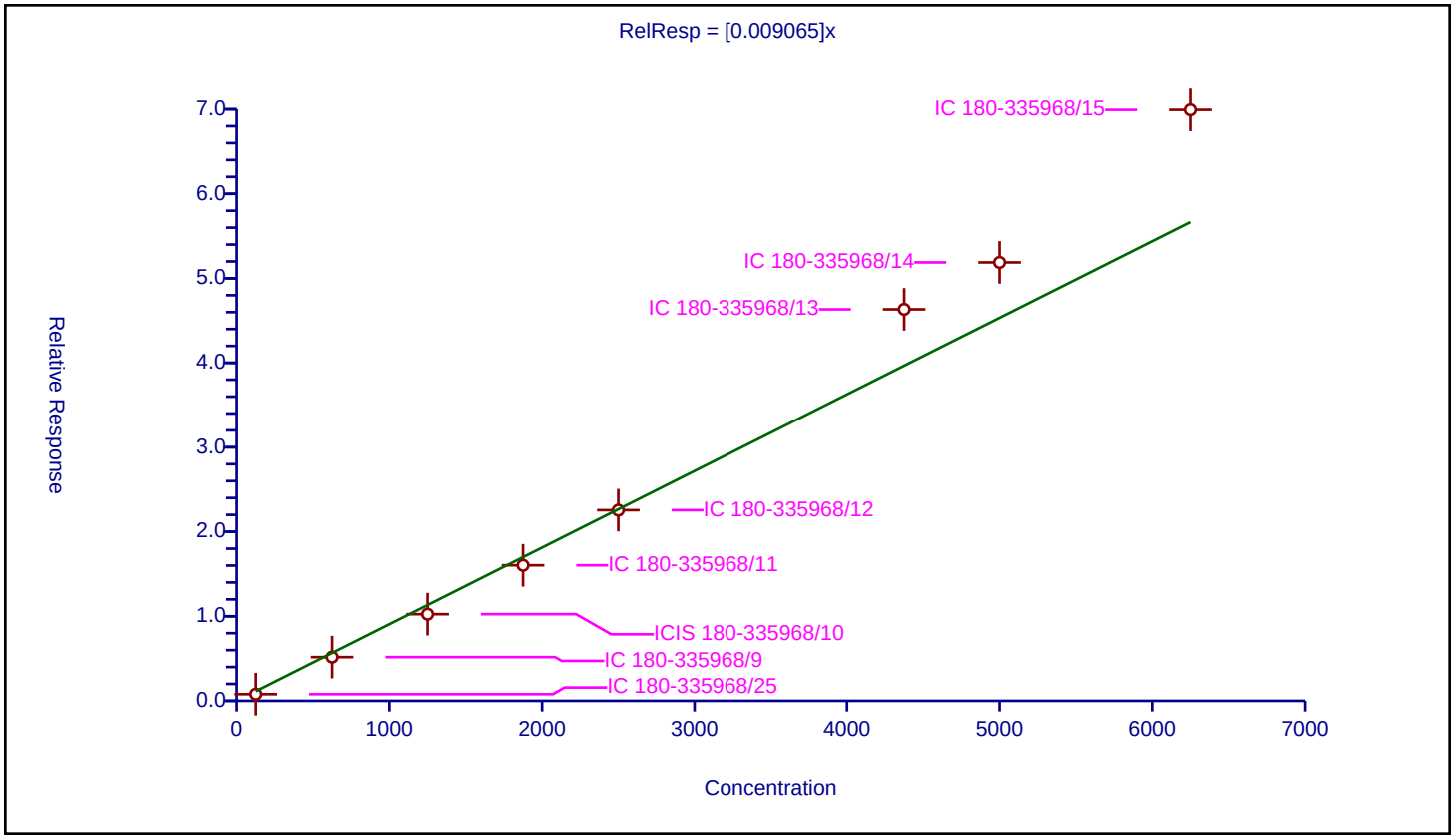
Curve Coefficients

Intercept:	0
Slope:	0.009065

Error Coefficients

Standard Error:	461000
Relative Standard Error:	17.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	125.0	0.789548	50.0	399089.0	0.006316	Y
2	IC 180-335968/9	625.0	5.171535	50.0	608098.0	0.008274	Y
3	ICIS 180-335968/10	1250.0	10.249631	50.0	659614.0	0.0082	Y
4	IC 180-335968/11	1875.0	16.031212	50.0	633929.0	0.00855	Y
5	IC 180-335968/12	2500.0	22.55563	50.0	603499.0	0.009022	Y
6	IC 180-335968/13	4375.0	46.329623	50.0	557831.0	0.01059	Y
7	IC 180-335968/14	5000.0	51.885269	50.0	596785.0	0.010377	Y
8	IC 180-335968/15	6250.0	69.935067	50.0	597851.0	0.01119	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

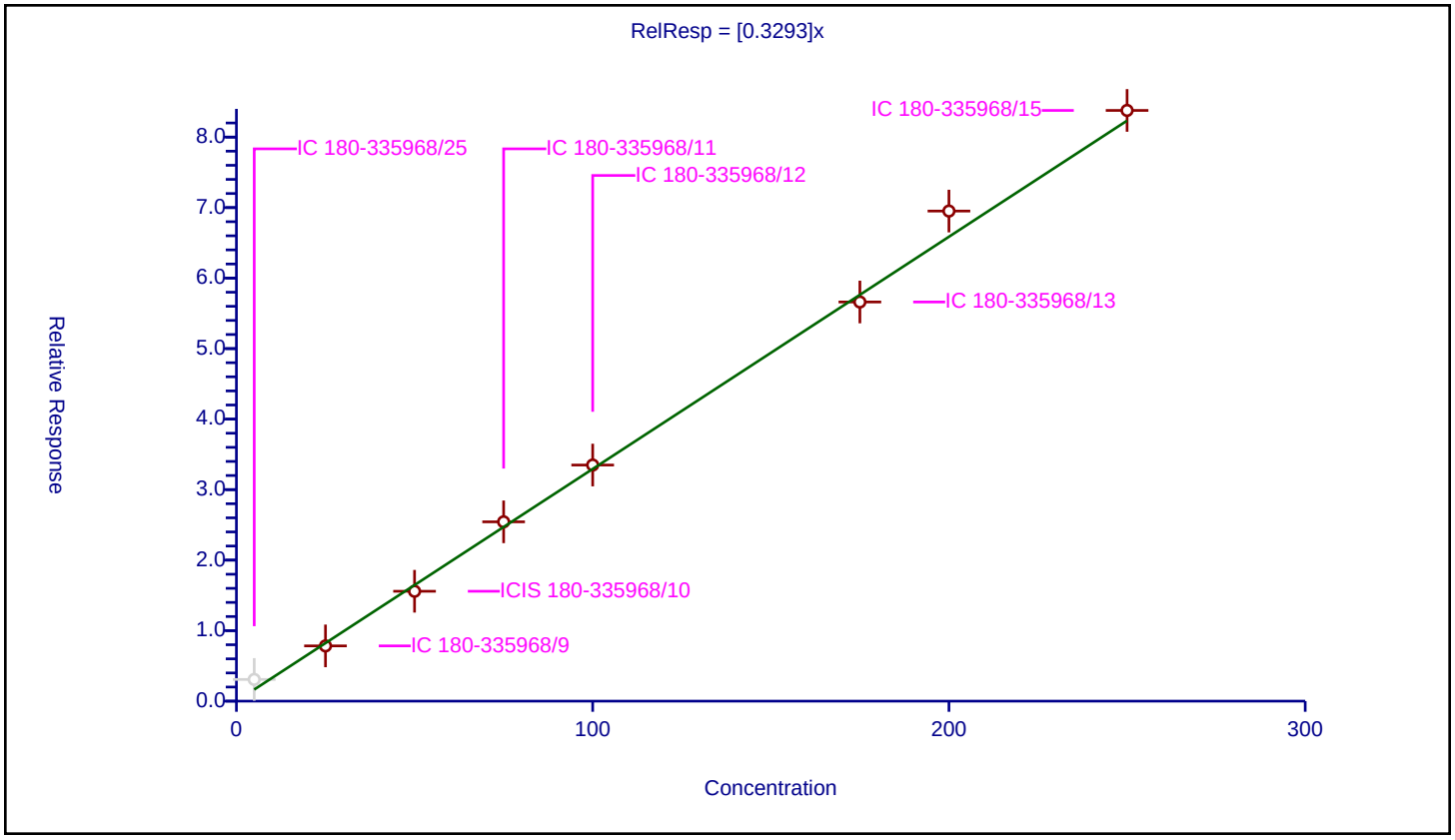
Curve Coefficients

Intercept:	0
Slope:	0.3293

Error Coefficients

Standard Error:	634000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.07776	50.0	399089.0	0.615552	N
2	IC 180-335968/9	25.0	7.834675	50.0	608098.0	0.313387	Y
3	ICIS 180-335968/10	50.0	15.583963	50.0	659614.0	0.311679	Y
4	IC 180-335968/11	75.0	25.432422	50.0	633929.0	0.339099	Y
5	IC 180-335968/12	100.0	33.487297	50.0	603499.0	0.334873	Y
6	IC 180-335968/13	175.0	56.612487	50.0	557831.0	0.3235	Y
7	IC 180-335968/14	200.0	69.510544	50.0	596785.0	0.347553	Y
8	IC 180-335968/15	250.0	83.782079	50.0	597851.0	0.335128	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

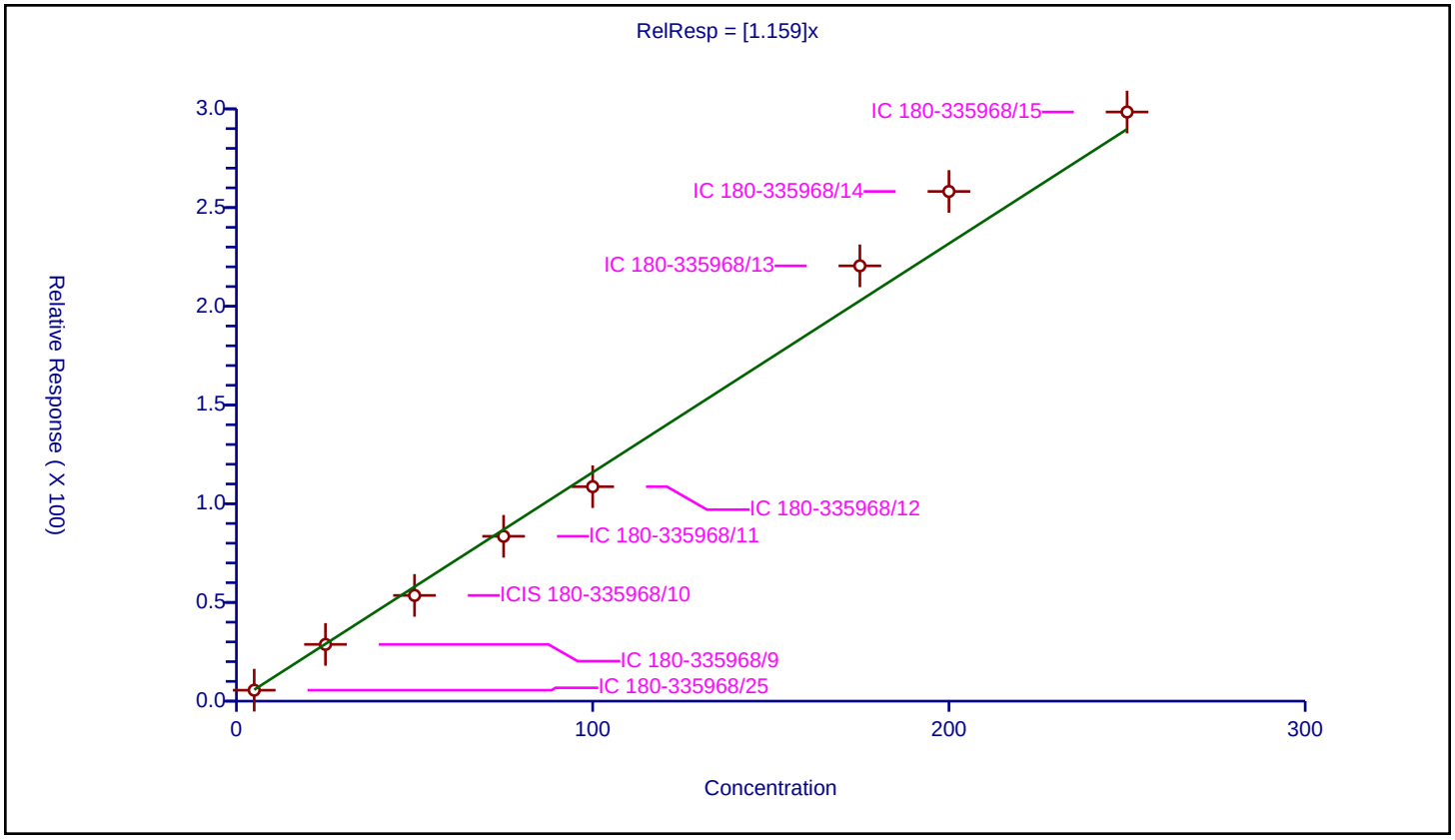
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.531473	50.0	399089.0	1.106295	Y
2	IC 180-335968/9	25.0	28.740351	50.0	608098.0	1.149614	Y
3	ICIS 180-335968/10	50.0	53.558521	50.0	659614.0	1.07117	Y
4	IC 180-335968/11	75.0	83.505172	50.0	633929.0	1.113402	Y
5	IC 180-335968/12	100.0	108.641108	50.0	603499.0	1.086411	Y
6	IC 180-335968/13	175.0	220.502088	50.0	557831.0	1.260012	Y
7	IC 180-335968/14	200.0	258.170447	50.0	596785.0	1.290852	Y
8	IC 180-335968/15	250.0	298.420175	50.0	597851.0	1.193681	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

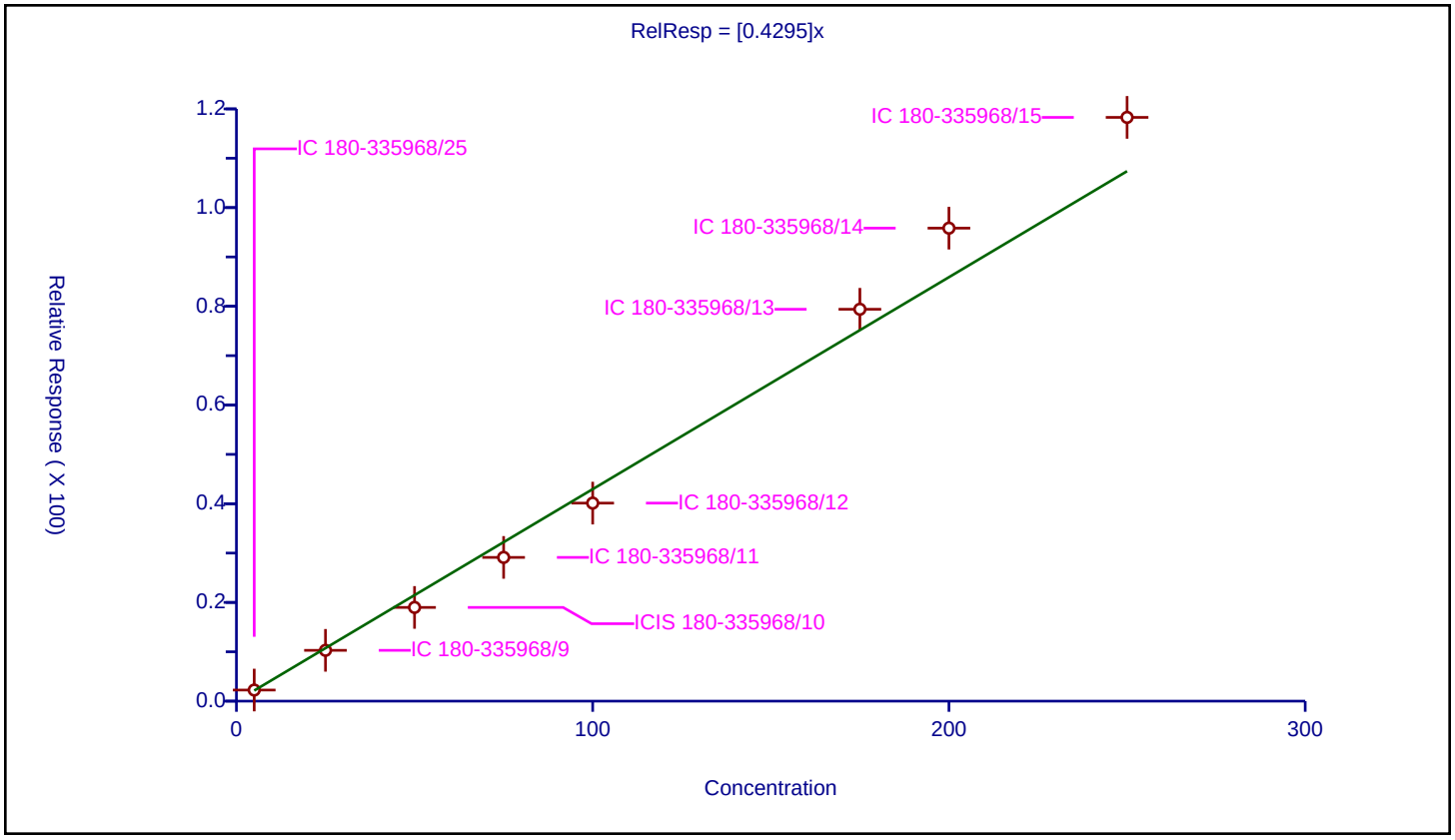
Curve Coefficients

Intercept:	0
Slope:	0.4295

Error Coefficients

Standard Error:	806000
Relative Standard Error:	9.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.244988	50.0	399089.0	0.448998	Y
2	IC 180-335968/9	25.0	10.293242	50.0	608098.0	0.41173	Y
3	ICIS 180-335968/10	50.0	18.989818	50.0	659614.0	0.379796	Y
4	IC 180-335968/11	75.0	29.120296	50.0	633929.0	0.388271	Y
5	IC 180-335968/12	100.0	40.127573	50.0	603499.0	0.401276	Y
6	IC 180-335968/13	175.0	79.40317	50.0	557831.0	0.453732	Y
7	IC 180-335968/14	200.0	95.831665	50.0	596785.0	0.479158	Y
8	IC 180-335968/15	250.0	118.276126	50.0	597851.0	0.473105	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

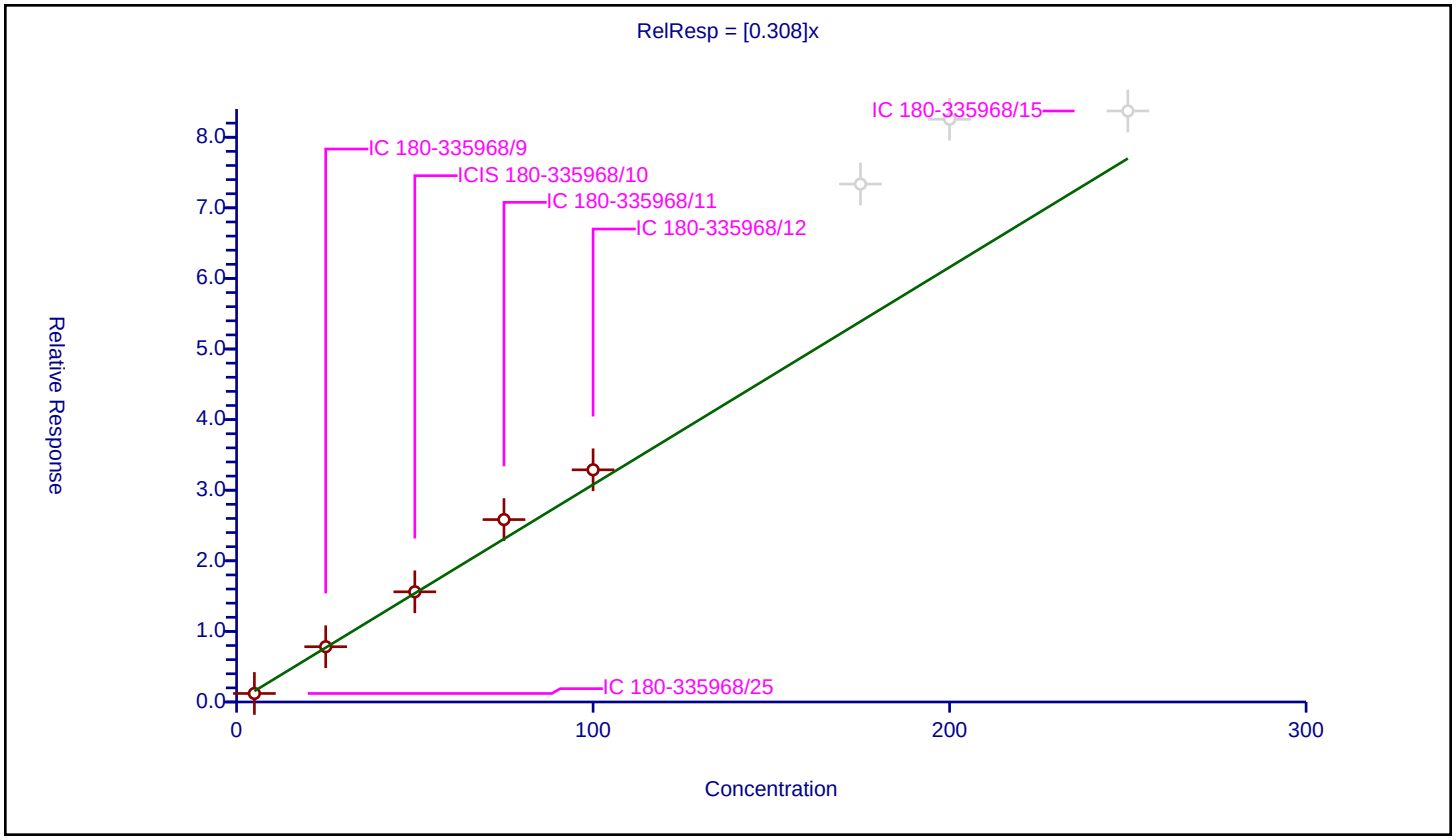
Curve Coefficients

Intercept:	0
Slope:	0.308

Error Coefficients

Standard Error:	281000
Relative Standard Error:	12.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.205496	50.0	399089.0	0.241099	Y
2	IC 180-335968/9	25.0	7.827603	50.0	608098.0	0.313104	Y
3	ICIS 180-335968/10	50.0	15.607461	50.0	659614.0	0.312149	Y
4	IC 180-335968/11	75.0	25.841064	50.0	633929.0	0.344548	Y
5	IC 180-335968/12	100.0	32.891107	50.0	603499.0	0.328911	Y
6	IC 180-335968/13	175.0	73.371326	50.0	557831.0	0.419265	N
7	IC 180-335968/14	200.0	82.544551	50.0	596785.0	0.412723	N
8	IC 180-335968/15	250.0	83.72086	50.0	597851.0	0.334883	N



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

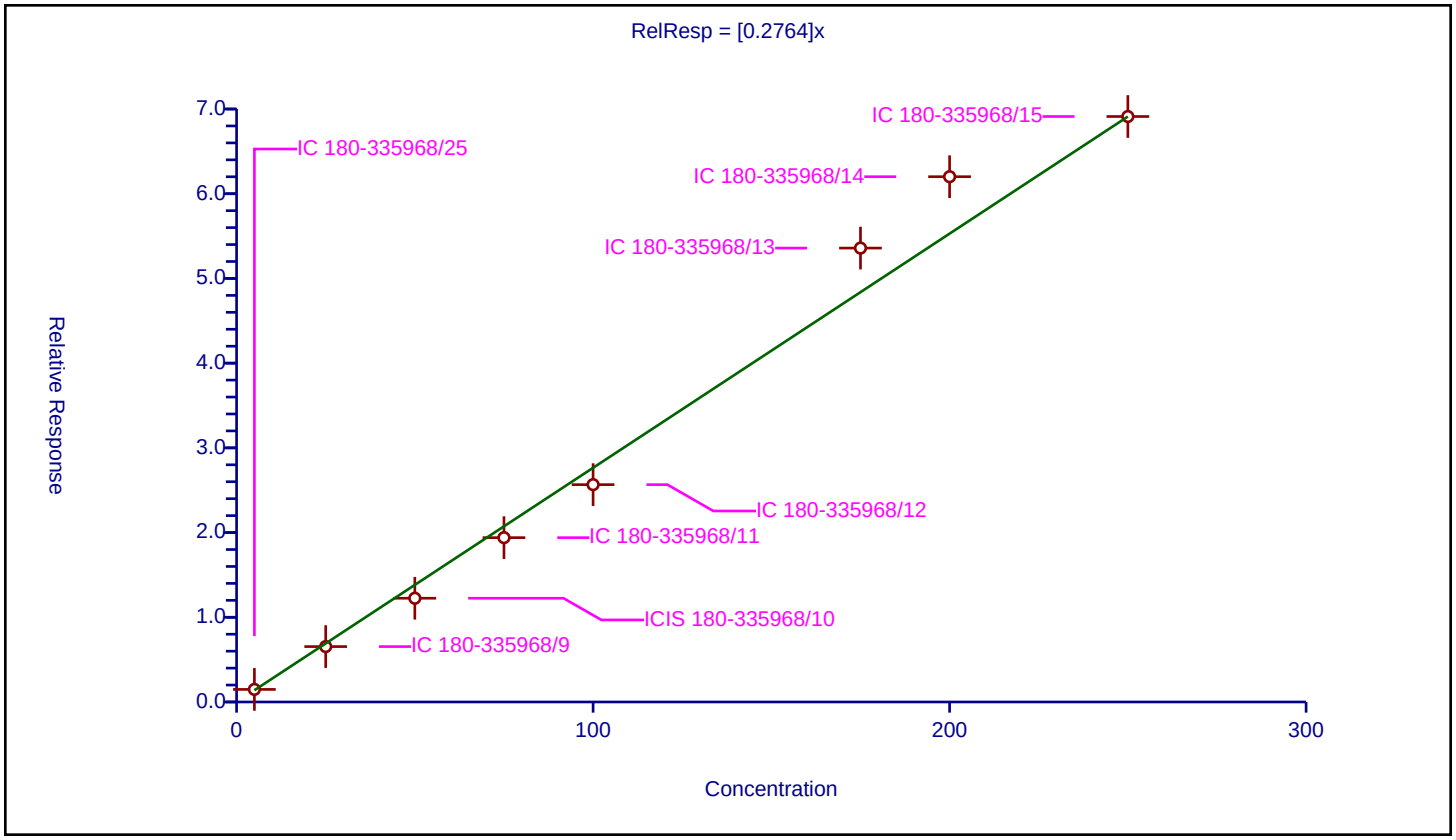
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	504000
Relative Standard Error:	9.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.485634	50.0	399089.0	0.297127	Y
2	IC 180-335968/9	25.0	6.53842	50.0	608098.0	0.261537	Y
3	ICIS 180-335968/10	50.0	12.246935	50.0	659614.0	0.244939	Y
4	IC 180-335968/11	75.0	19.40028	50.0	633929.0	0.25867	Y
5	IC 180-335968/12	100.0	25.656546	50.0	603499.0	0.256565	Y
6	IC 180-335968/13	175.0	53.581909	50.0	557831.0	0.306182	Y
7	IC 180-335968/14	200.0	62.011947	50.0	596785.0	0.31006	Y
8	IC 180-335968/15	250.0	69.11396	50.0	597851.0	0.276456	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

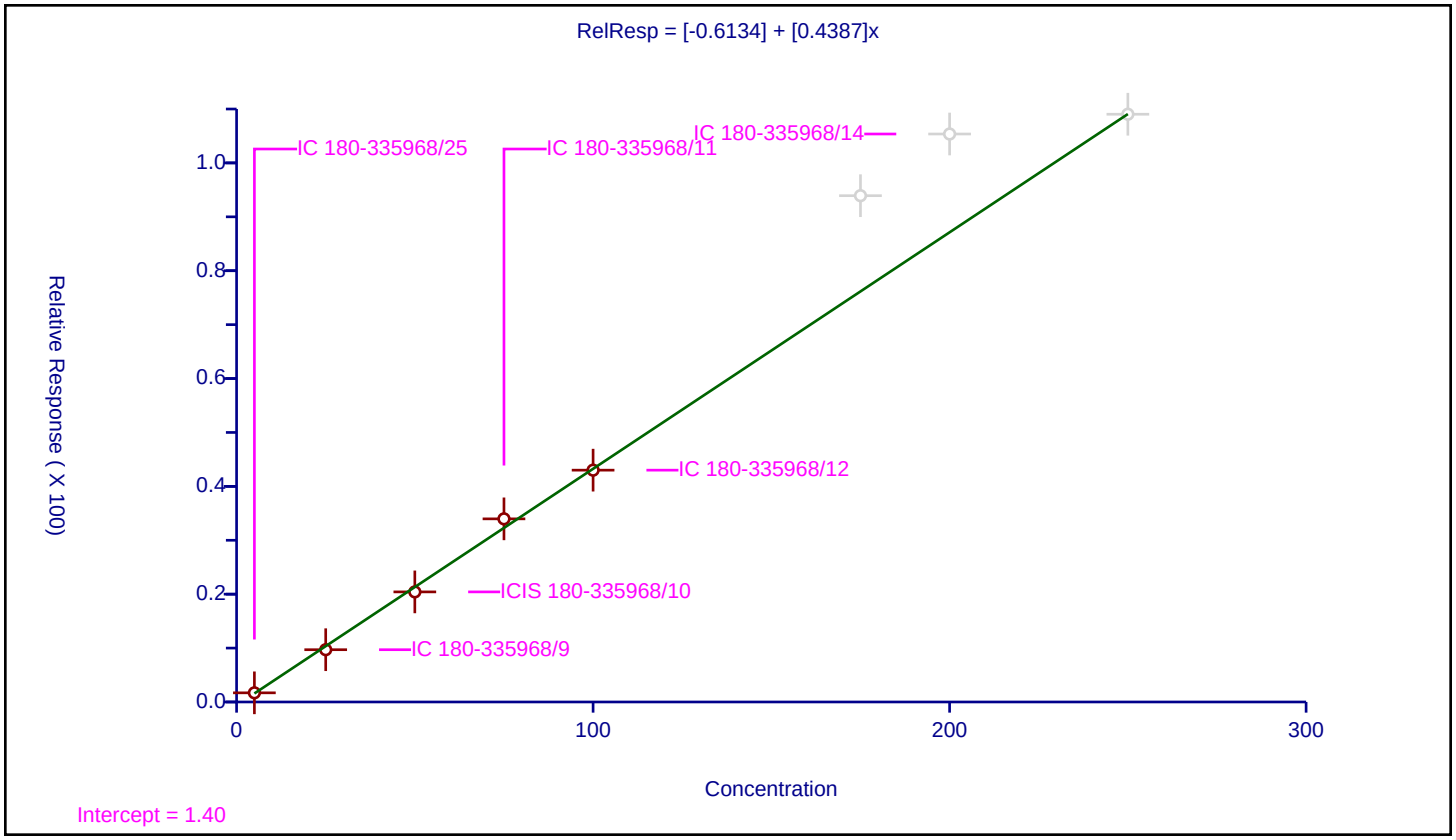
Curve Coefficients

Intercept:	-0.6134
Slope:	0.4387

Error Coefficients

Standard Error:	425000
Relative Standard Error:	6.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.701625	50.0	399089.0	0.340325	Y
2	IC 180-335968/9	25.0	9.697203	50.0	608098.0	0.387888	Y
3	ICIS 180-335968/10	50.0	20.424218	50.0	659614.0	0.408484	Y
4	IC 180-335968/11	75.0	33.974546	50.0	633929.0	0.452994	Y
5	IC 180-335968/12	100.0	43.005954	50.0	603499.0	0.43006	Y
6	IC 180-335968/13	175.0	93.92065	50.0	557831.0	0.536689	N
7	IC 180-335968/14	200.0	105.366673	50.0	596785.0	0.526833	N
8	IC 180-335968/15	250.0	109.030929	50.0	597851.0	0.436124	N



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

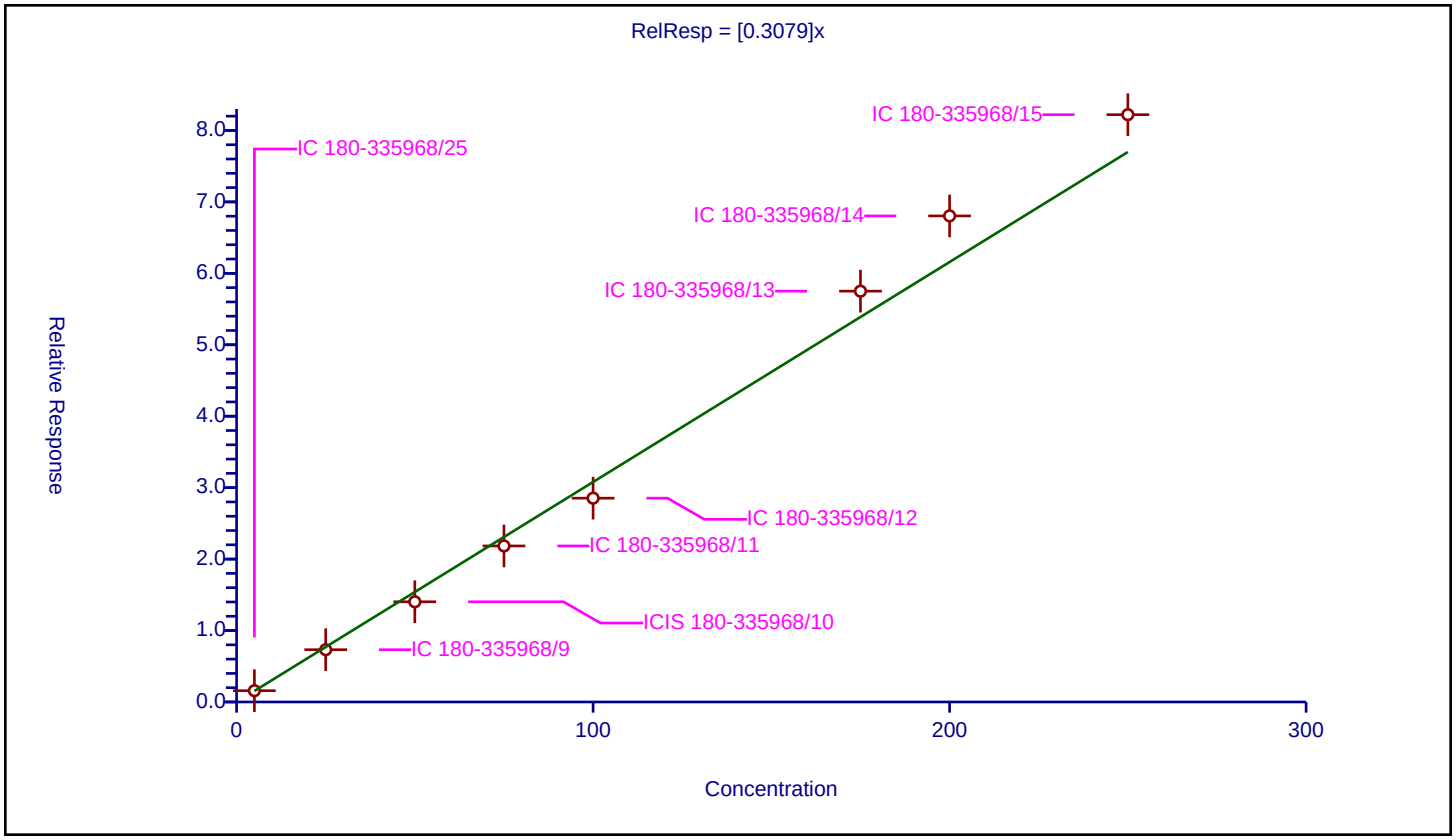
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Standard Error:	570000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.579472	50.0	399089.0	0.315894	Y
2	IC 180-335968/9	25.0	7.319379	50.0	608098.0	0.292775	Y
3	ICIS 180-335968/10	50.0	14.024945	50.0	659614.0	0.280499	Y
4	IC 180-335968/11	75.0	21.841168	50.0	633929.0	0.291216	Y
5	IC 180-335968/12	100.0	28.531199	50.0	603499.0	0.285312	Y
6	IC 180-335968/13	175.0	57.504513	50.0	557831.0	0.328597	Y
7	IC 180-335968/14	200.0	68.037568	50.0	596785.0	0.340188	Y
8	IC 180-335968/15	250.0	82.20928	50.0	597851.0	0.328837	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

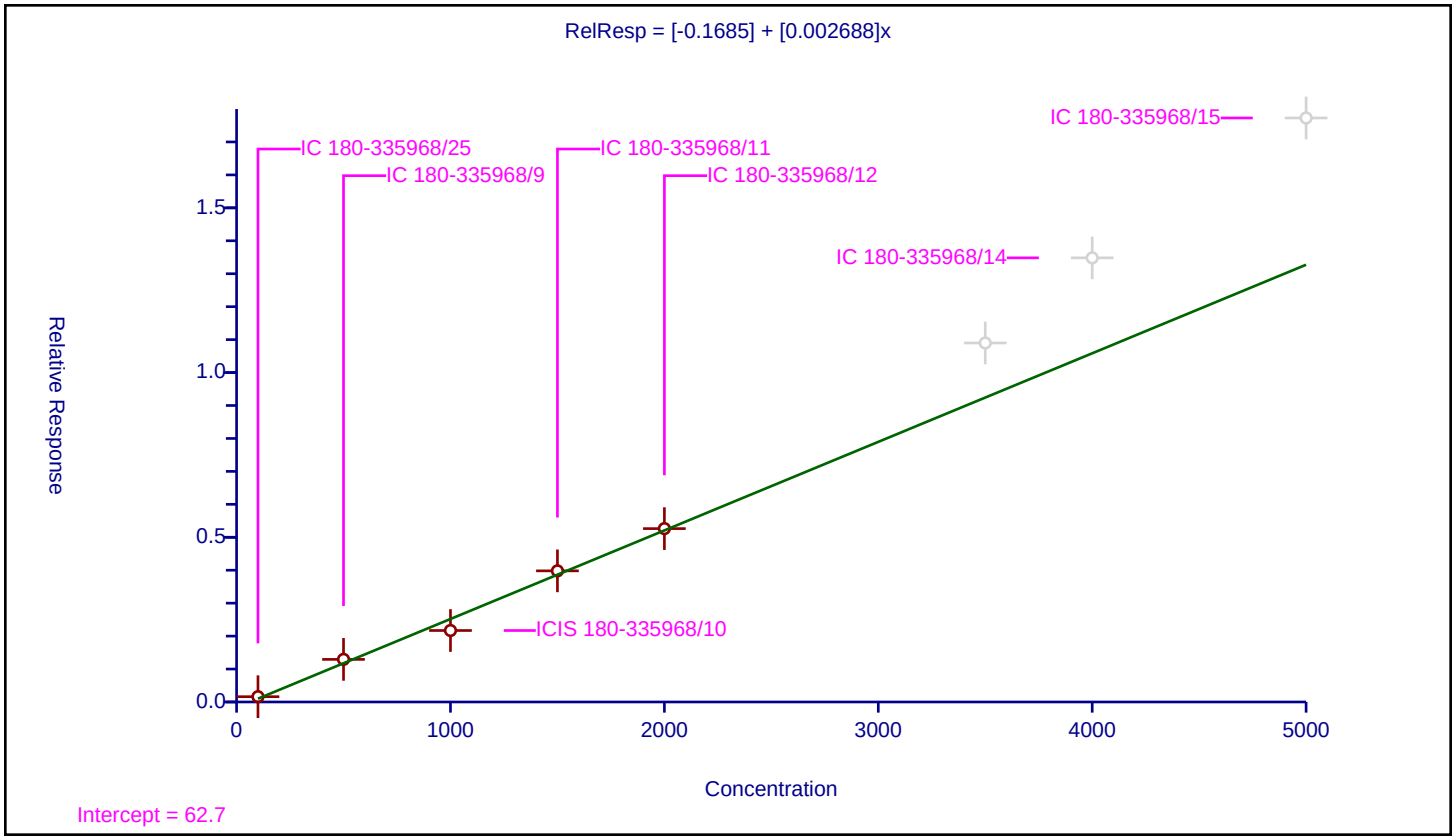
Curve Coefficients

Intercept:	-0.1685
Slope:	0.002688

Error Coefficients

Standard Error:	50500
Relative Standard Error:	15.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	100.0	0.160616	50.0	399089.0	0.001606	Y
2	IC 180-335968/9	500.0	1.293459	50.0	608098.0	0.002587	Y
3	ICIS 180-335968/10	1000.0	2.170133	50.0	659614.0	0.00217	Y
4	IC 180-335968/11	1500.0	3.980493	50.0	633929.0	0.002654	Y
5	IC 180-335968/12	2000.0	5.262975	50.0	603499.0	0.002631	Y
6	IC 180-335968/13	3500.0	10.897476	50.0	557831.0	0.003114	N
7	IC 180-335968/14	4000.0	13.481907	50.0	596785.0	0.00337	N
8	IC 180-335968/15	5000.0	17.728414	50.0	597851.0	0.003546	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

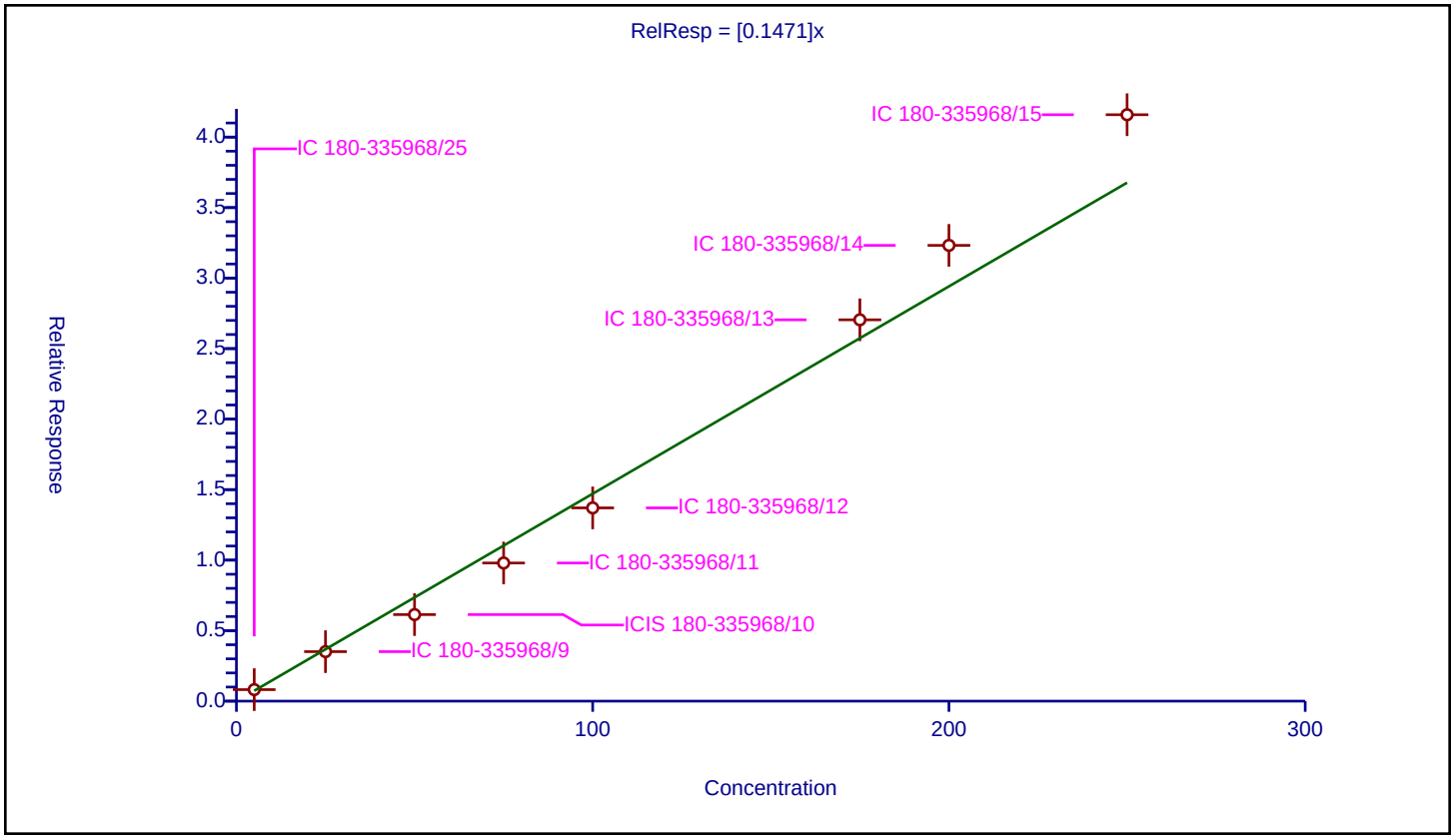
Curve Coefficients

Intercept:	0
Slope:	0.1471

Error Coefficients

Standard Error:	277000
Relative Standard Error:	11.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.816234	50.0	399089.0	0.163247	Y
2	IC 180-335968/9	25.0	3.510701	50.0	608098.0	0.140428	Y
3	ICIS 180-335968/10	50.0	6.136695	50.0	659614.0	0.122734	Y
4	IC 180-335968/11	75.0	9.797075	50.0	633929.0	0.130628	Y
5	IC 180-335968/12	100.0	13.703917	50.0	603499.0	0.137039	Y
6	IC 180-335968/13	175.0	27.042061	50.0	557831.0	0.154526	Y
7	IC 180-335968/14	200.0	32.322193	50.0	596785.0	0.161611	Y
8	IC 180-335968/15	250.0	41.587034	50.0	597851.0	0.166348	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

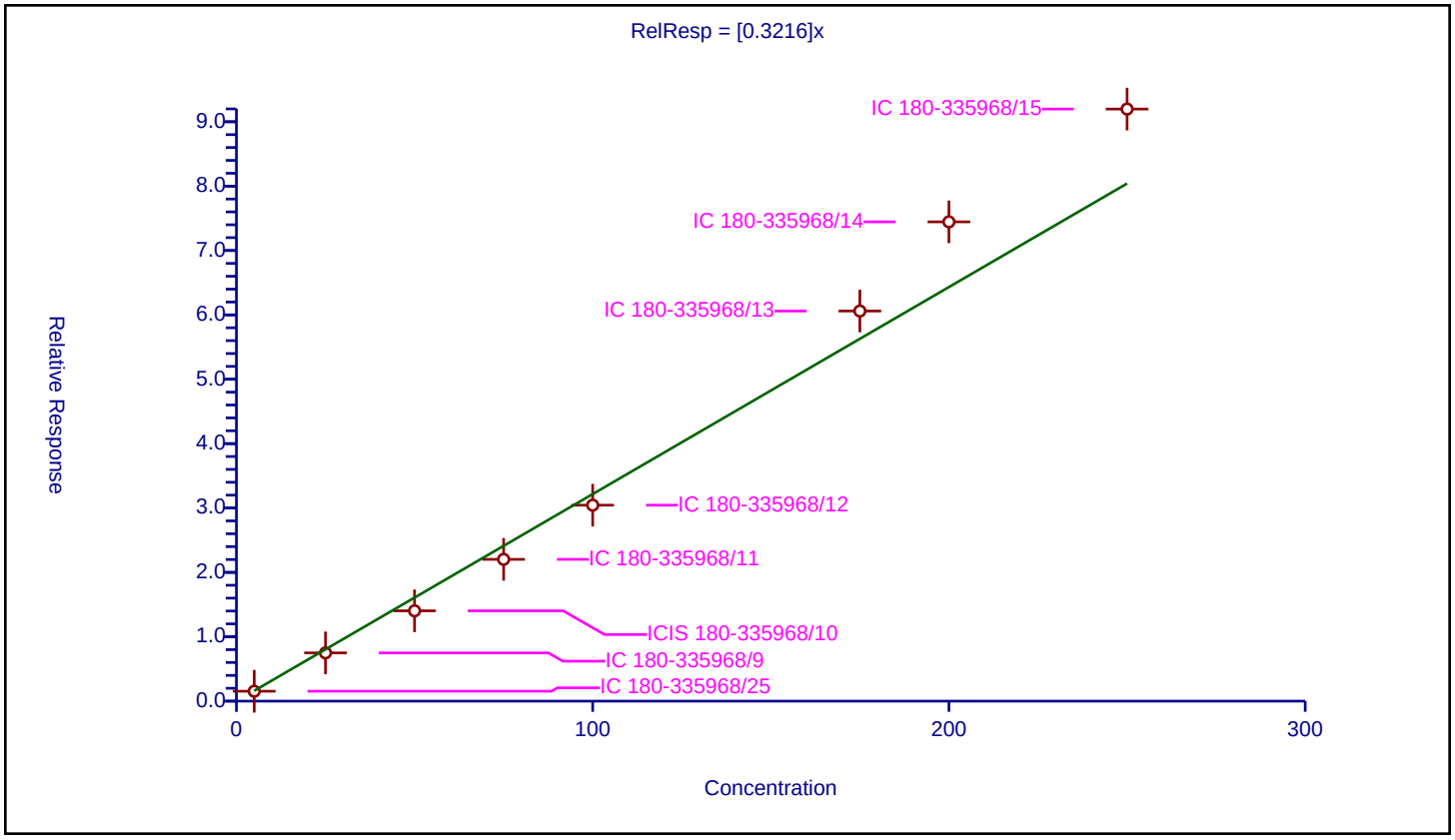
Curve Coefficients

Intercept:	0
Slope:	0.3216

Error Coefficients

Standard Error:	622000
Relative Standard Error:	11.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.540133	50.0	399089.0	0.308027	Y
2	IC 180-335968/9	25.0	7.495009	50.0	608098.0	0.2998	Y
3	ICIS 180-335968/10	50.0	14.030782	50.0	659614.0	0.280616	Y
4	IC 180-335968/11	75.0	22.024391	50.0	633929.0	0.293659	Y
5	IC 180-335968/12	100.0	30.441807	50.0	603499.0	0.304418	Y
6	IC 180-335968/13	175.0	60.601508	50.0	557831.0	0.346294	Y
7	IC 180-335968/14	200.0	74.452106	50.0	596785.0	0.372261	Y
8	IC 180-335968/15	250.0	91.977014	50.0	597851.0	0.367908	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

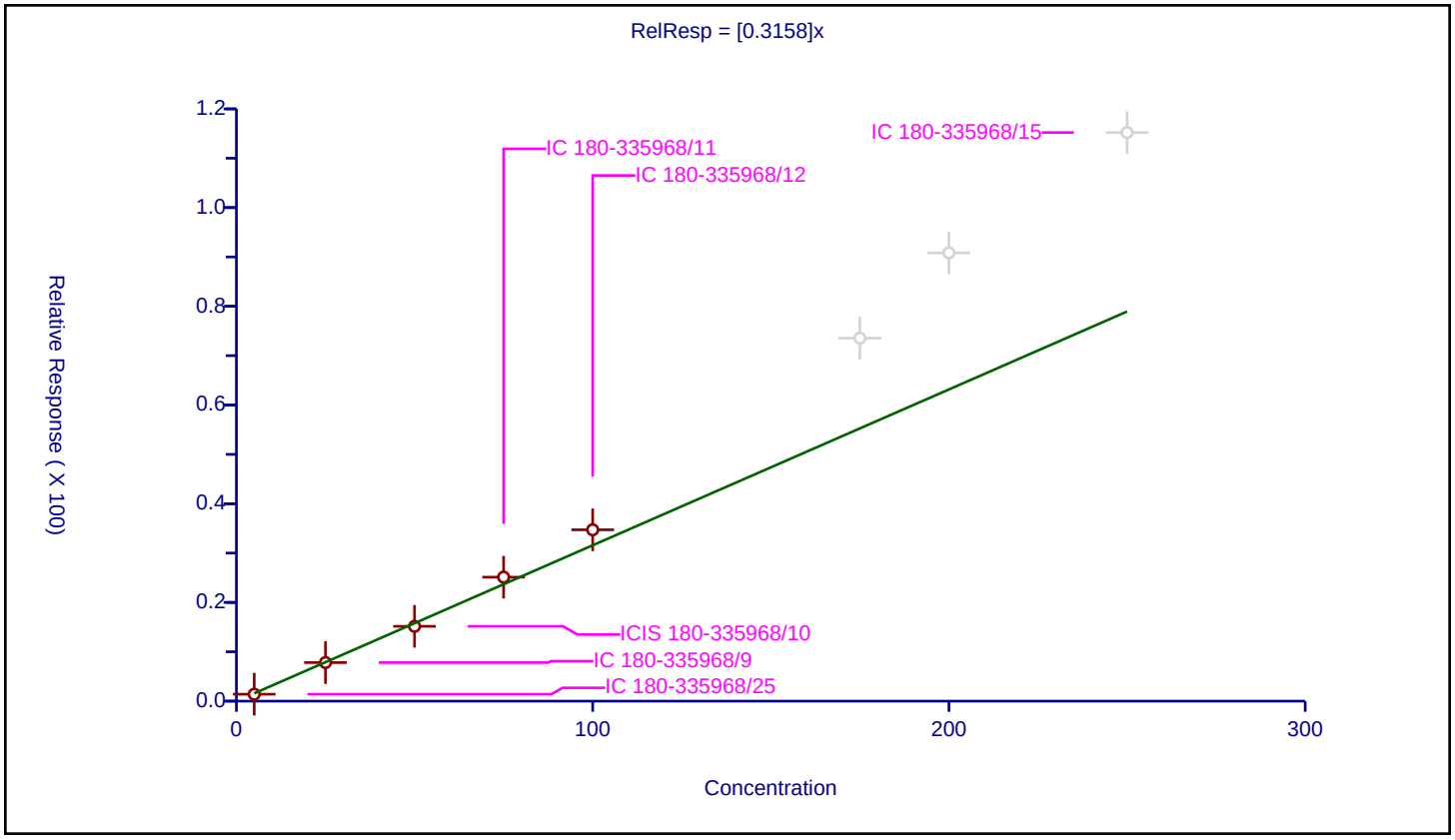
Curve Coefficients

Intercept:	0
Slope:	0.3158

Error Coefficients

Standard Error:	286000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.404323	50.0	399089.0	0.280865	Y
2	IC 180-335968/9	25.0	7.816585	50.0	608098.0	0.312663	Y
3	ICIS 180-335968/10	50.0	15.159017	50.0	659614.0	0.30318	Y
4	IC 180-335968/11	75.0	25.120715	50.0	633929.0	0.334943	Y
5	IC 180-335968/12	100.0	34.717705	50.0	603499.0	0.347177	Y
6	IC 180-335968/13	175.0	73.545662	50.0	557831.0	0.420261	N
7	IC 180-335968/14	200.0	90.830031	50.0	596785.0	0.45415	N
8	IC 180-335968/15	250.0	115.206464	50.0	597851.0	0.460826	N



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

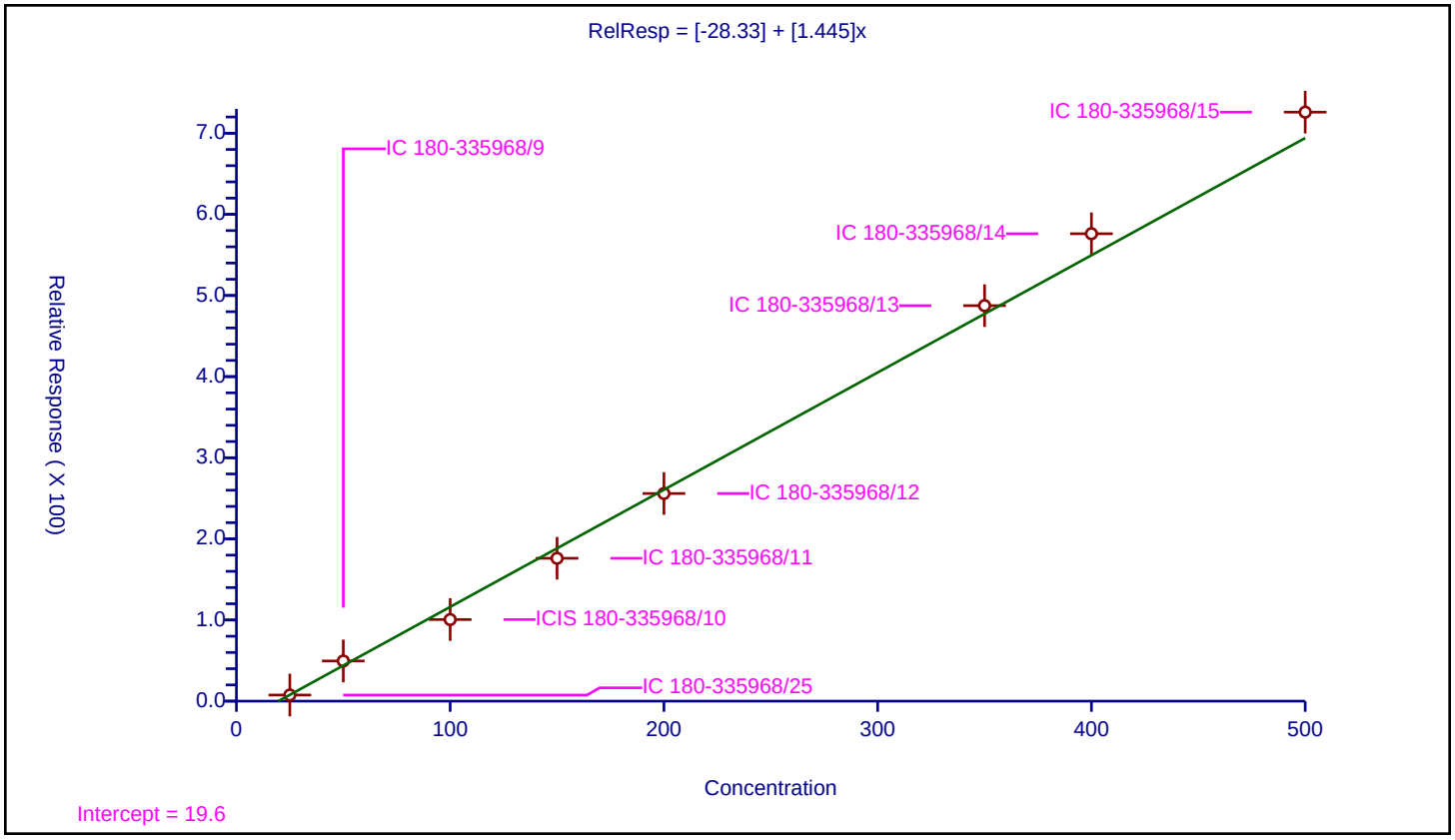
Curve Coefficients

Intercept:	-28.33
Slope:	1.445

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	7.545627	50.0	78244.0	0.301825	Y
2	IC 180-335968/9	50.0	49.510226	50.0	123118.0	0.990205	Y
3	ICIS 180-335968/10	100.0	100.567095	50.0	137014.0	1.005671	Y
4	IC 180-335968/11	150.0	176.092561	50.0	124135.0	1.17395	Y
5	IC 180-335968/12	200.0	255.931395	50.0	123664.0	1.279657	Y
6	IC 180-335968/13	350.0	487.47801	50.0	119941.0	1.392794	Y
7	IC 180-335968/14	400.0	576.121921	50.0	132184.0	1.440305	Y
8	IC 180-335968/15	500.0	725.982852	50.0	135295.0	1.451966	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

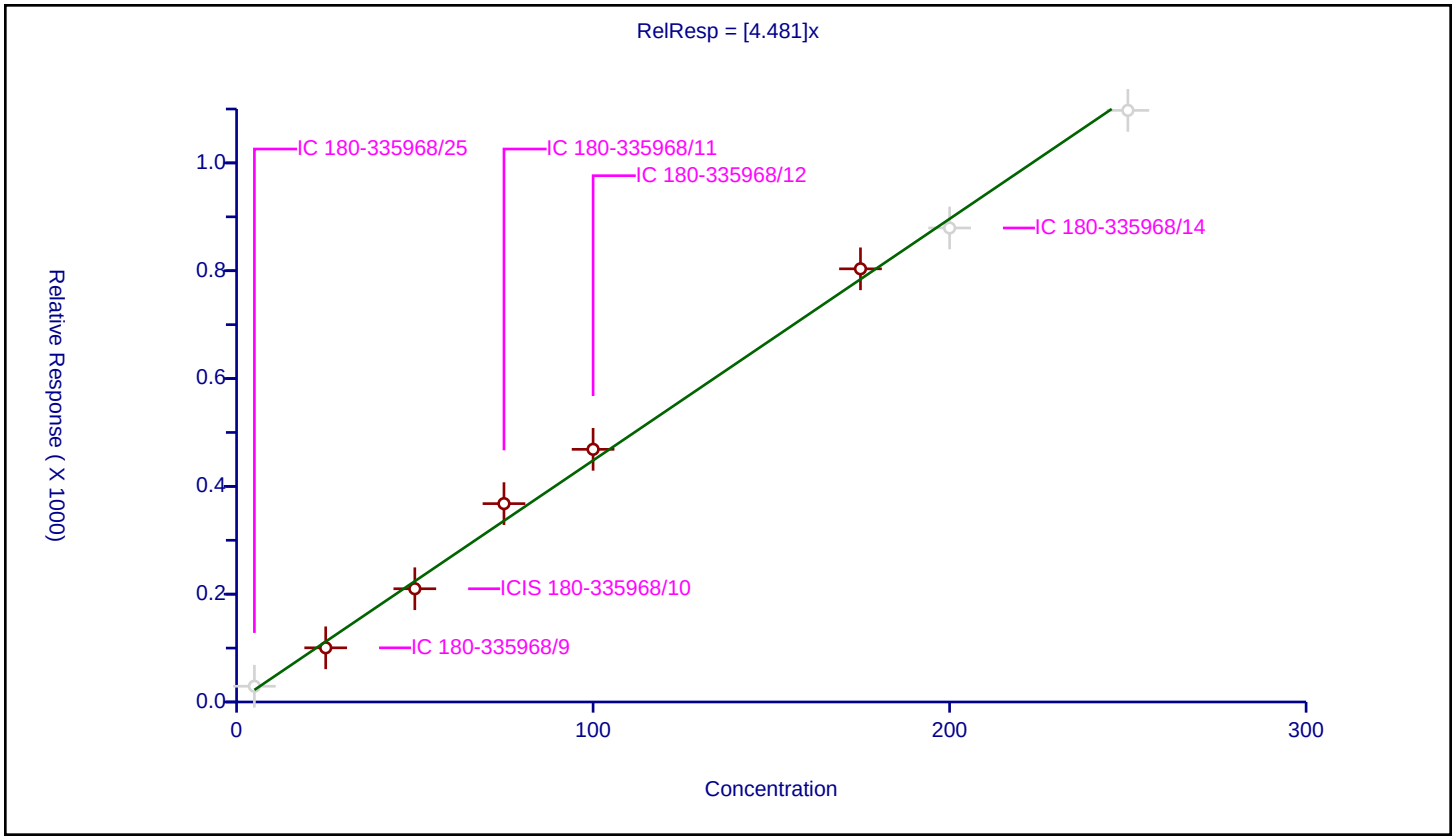
Curve Coefficients

Intercept:	0
Slope:	4.481

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	8.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	29.21502	50.0	78244.0	5.843004	N
2	IC 180-335968/9	25.0	100.511704	50.0	123118.0	4.020468	Y
3	ICIS 180-335968/10	50.0	210.052622	50.0	137014.0	4.201052	Y
4	IC 180-335968/11	75.0	367.972369	50.0	124135.0	4.906298	Y
5	IC 180-335968/12	100.0	468.673179	50.0	123664.0	4.686732	Y
6	IC 180-335968/13	175.0	803.559667	50.0	119941.0	4.59177	Y
7	IC 180-335968/14	200.0	879.303471	50.0	132184.0	4.396517	N
8	IC 180-335968/15	250.0	1097.491408	50.0	135295.0	4.389966	N



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

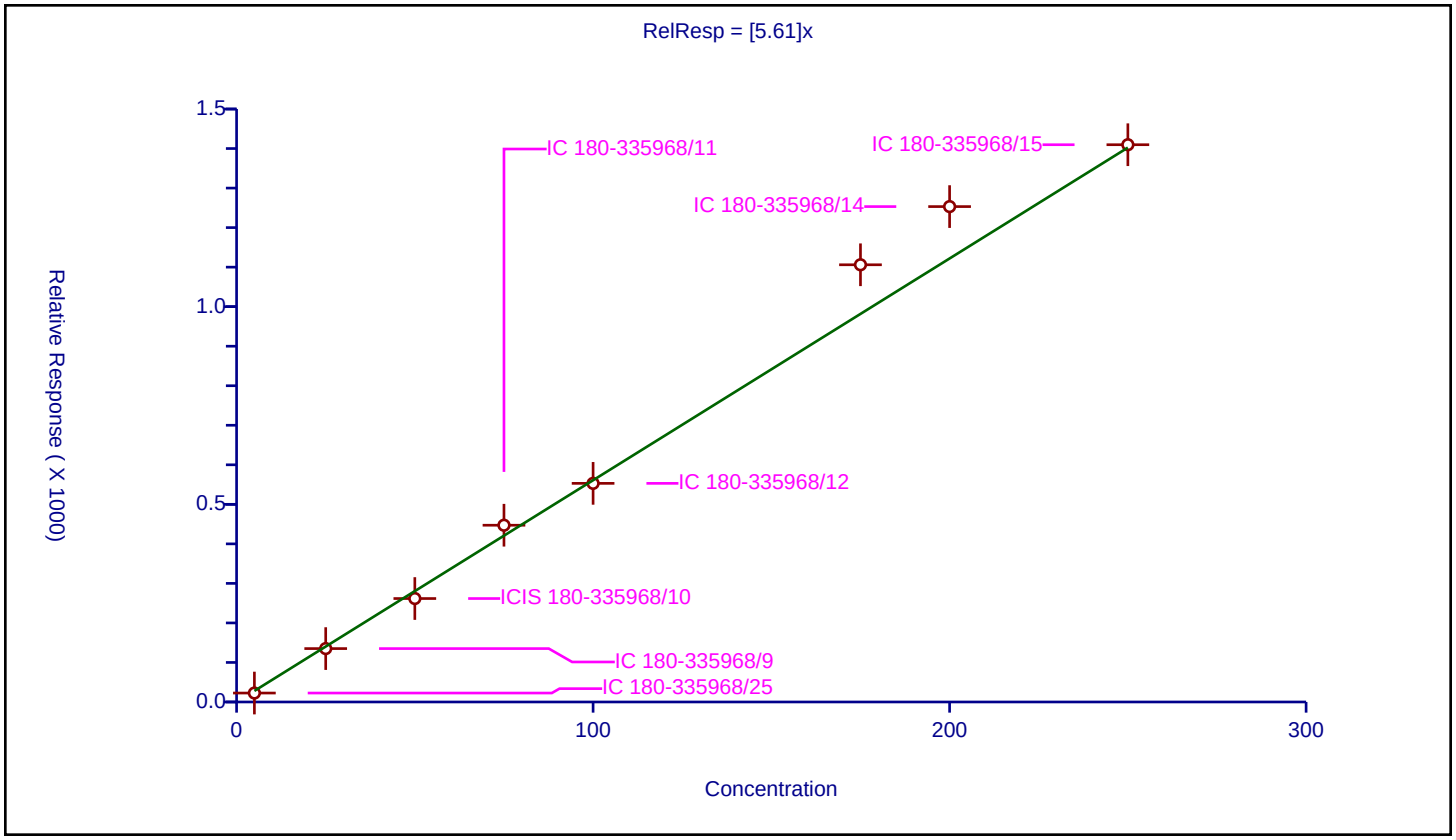
Curve Coefficients

Intercept:	0
Slope:	5.61

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	10.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	22.61004	50.0	78244.0	4.522008	Y
2	IC 180-335968/9	25.0	135.104534	50.0	123118.0	5.404181	Y
3	ICIS 180-335968/10	50.0	261.705373	50.0	137014.0	5.234107	Y
4	IC 180-335968/11	75.0	447.103557	50.0	124135.0	5.961381	Y
5	IC 180-335968/12	100.0	553.024728	50.0	123664.0	5.530247	Y
6	IC 180-335968/13	175.0	1106.00712	50.0	119941.0	6.320041	Y
7	IC 180-335968/14	200.0	1253.158854	50.0	132184.0	6.265794	Y
8	IC 180-335968/15	250.0	1409.661111	50.0	135295.0	5.638644	Y



Calibration / Ethyl methacrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

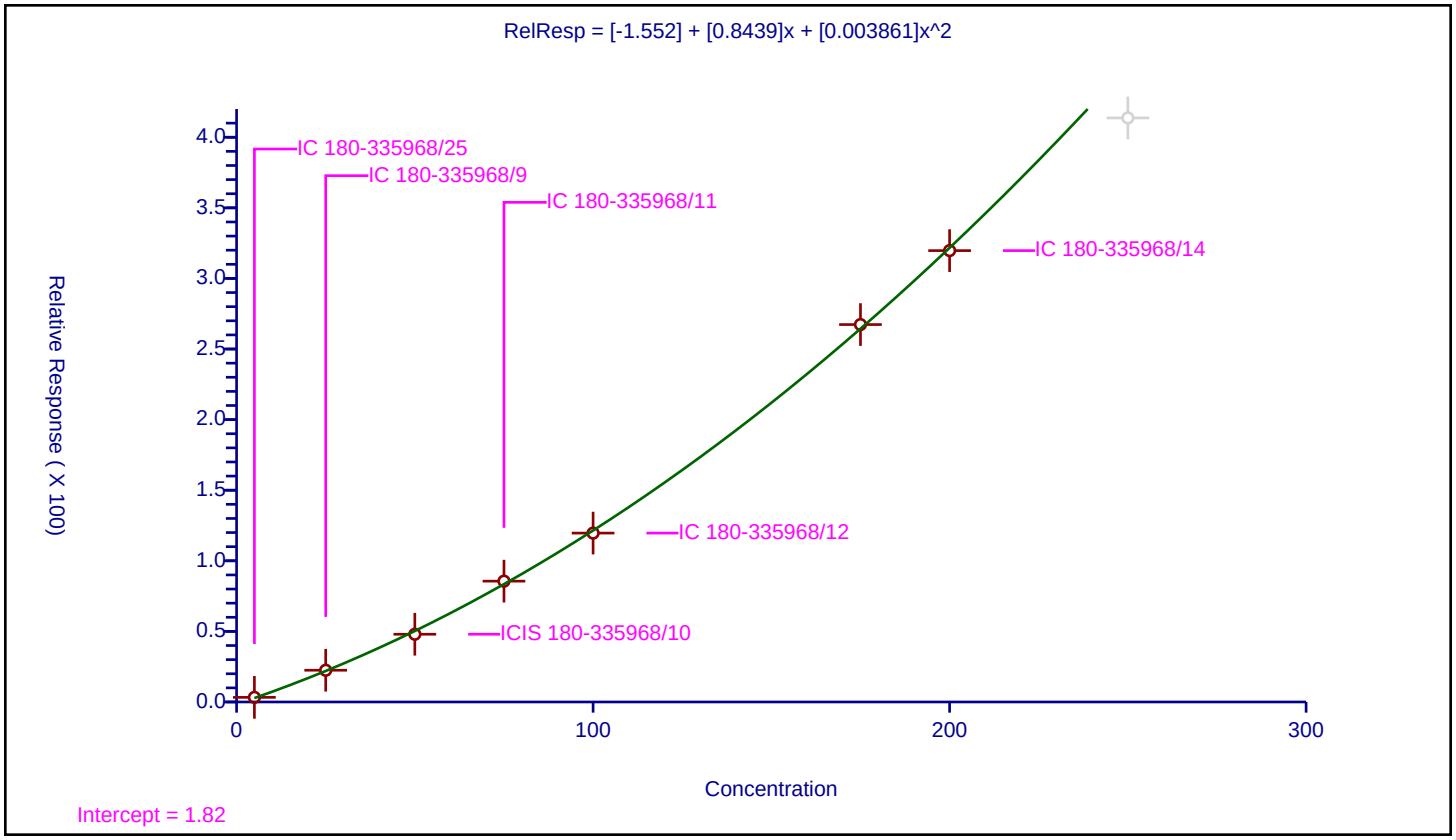
Curve Coefficients

Intercept:	-1.552
Slope:	0.8439
Second Order:	0.003861

Error Coefficients

Standard Error:	565000
Relative Standard Error:	6.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.274372	50.0	78244.0	0.654874	Y
2	IC 180-335968/9	25.0	22.479248	50.0	123118.0	0.89917	Y
3	ICIS 180-335968/10	50.0	47.977214	50.0	137014.0	0.959544	Y
4	IC 180-335968/11	75.0	85.597938	50.0	124135.0	1.141306	Y
5	IC 180-335968/12	100.0	119.618887	50.0	123664.0	1.196189	Y
6	IC 180-335968/13	175.0	267.336024	50.0	119941.0	1.527634	Y
7	IC 180-335968/14	200.0	319.708891	50.0	132184.0	1.598544	Y
8	IC 180-335968/15	250.0	413.678998	50.0	135295.0	1.654716	N



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

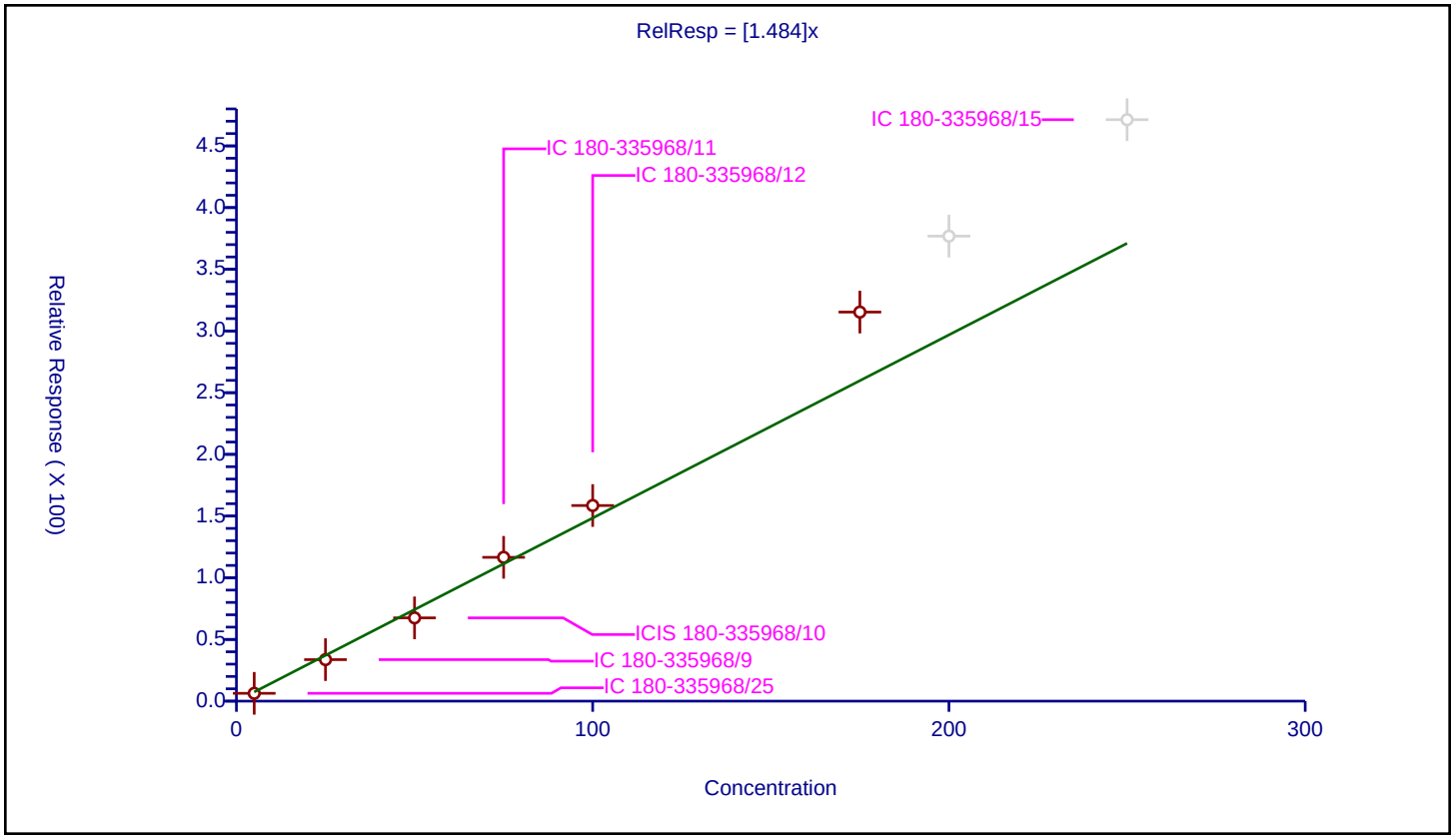
Curve Coefficients

Intercept:	0
Slope:	1.484

Error Coefficients

Standard Error:	412000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.339783	50.0	78244.0	1.267957	Y
2	IC 180-335968/9	25.0	33.652269	50.0	123118.0	1.346091	Y
3	ICIS 180-335968/10	50.0	67.493468	50.0	137014.0	1.349869	Y
4	IC 180-335968/11	75.0	116.549321	50.0	124135.0	1.553991	Y
5	IC 180-335968/12	100.0	158.547758	50.0	123664.0	1.585478	Y
6	IC 180-335968/13	175.0	315.309611	50.0	119941.0	1.801769	Y
7	IC 180-335968/14	200.0	376.858773	50.0	132184.0	1.884294	N
8	IC 180-335968/15	250.0	471.257253	50.0	135295.0	1.885029	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

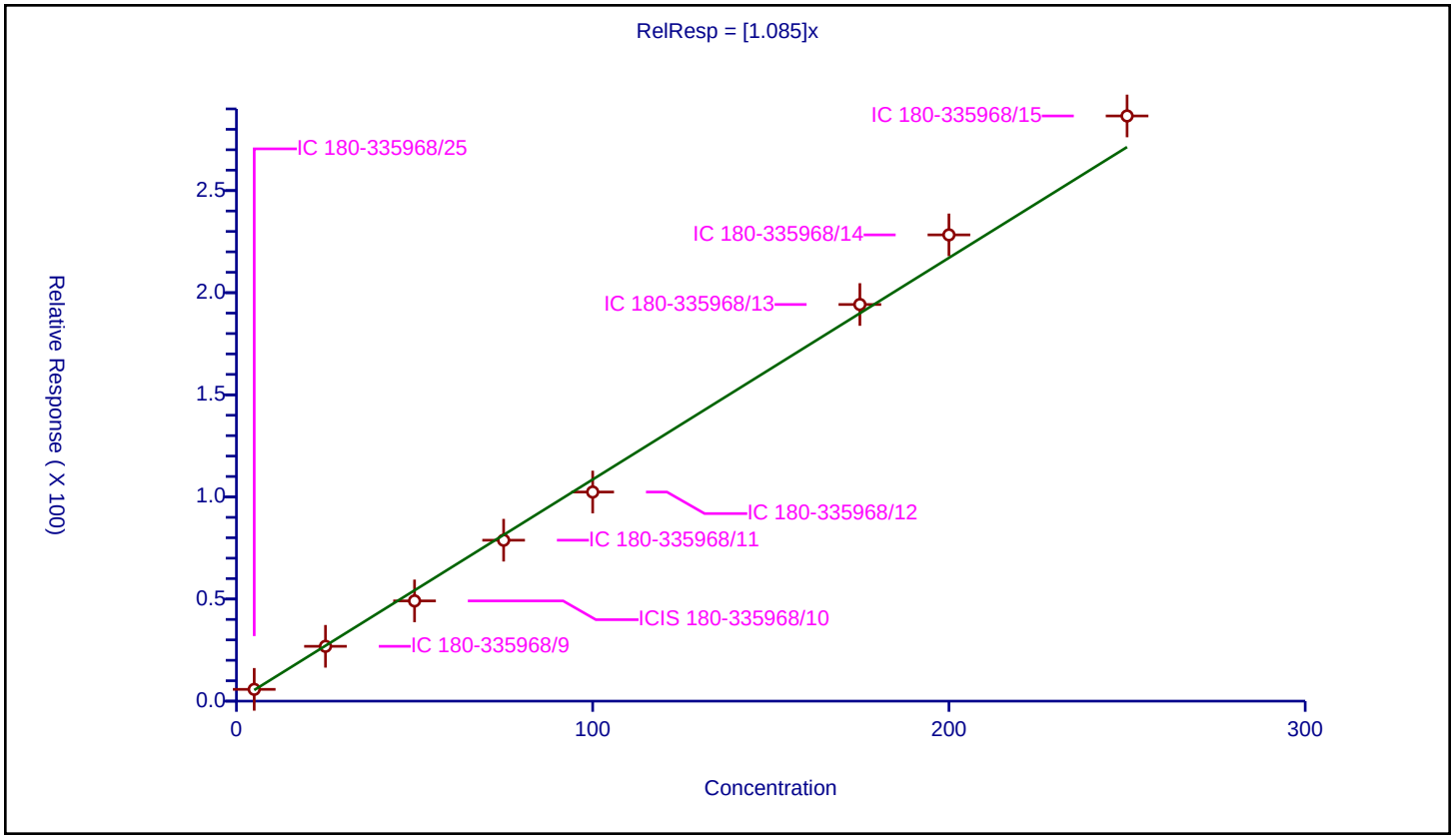
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	432000
Relative Standard Error:	5.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.77105	50.0	78244.0	1.15421	Y
2	IC 180-335968/9	25.0	26.850257	50.0	123118.0	1.07401	Y
3	ICIS 180-335968/10	50.0	49.083305	50.0	137014.0	0.981666	Y
4	IC 180-335968/11	75.0	78.803722	50.0	124135.0	1.050716	Y
5	IC 180-335968/12	100.0	102.400456	50.0	123664.0	1.024005	Y
6	IC 180-335968/13	175.0	194.226328	50.0	119941.0	1.109865	Y
7	IC 180-335968/14	200.0	228.316967	50.0	132184.0	1.141585	Y
8	IC 180-335968/15	250.0	286.546066	50.0	135295.0	1.146184	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

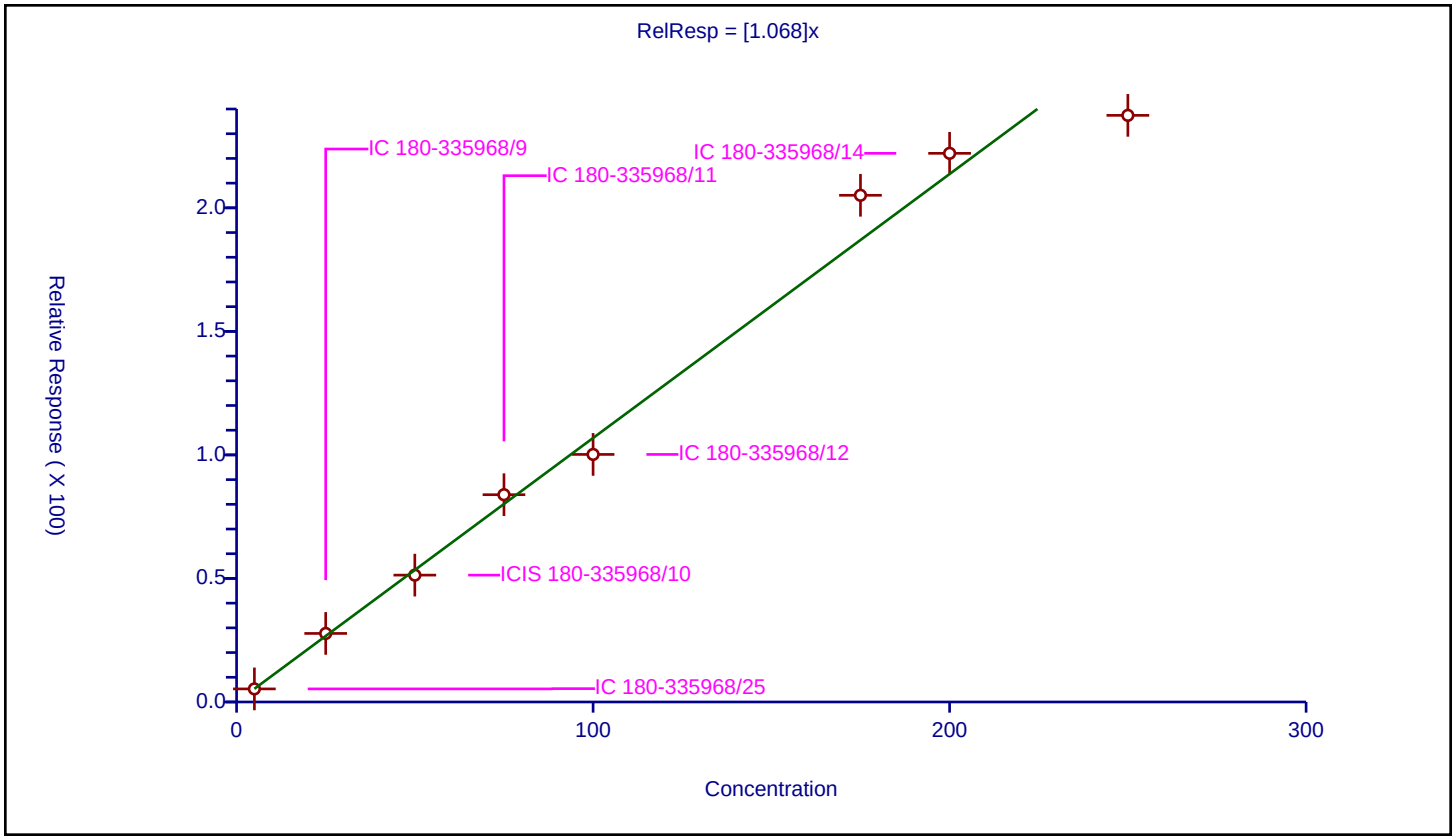
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Standard Error:	401000
Relative Standard Error:	6.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.291141	50.0	78244.0	1.058228	Y
2	IC 180-335968/9	25.0	27.743303	50.0	123118.0	1.109732	Y
3	ICIS 180-335968/10	50.0	51.344023	50.0	137014.0	1.02688	Y
4	IC 180-335968/11	75.0	83.895356	50.0	124135.0	1.118605	Y
5	IC 180-335968/12	100.0	100.196905	50.0	123664.0	1.001969	Y
6	IC 180-335968/13	175.0	205.079581	50.0	119941.0	1.171883	Y
7	IC 180-335968/14	200.0	222.063185	50.0	132184.0	1.110316	Y
8	IC 180-335968/15	250.0	237.426734	50.0	135295.0	0.949707	Y



Calibration / 2-Hexanone

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

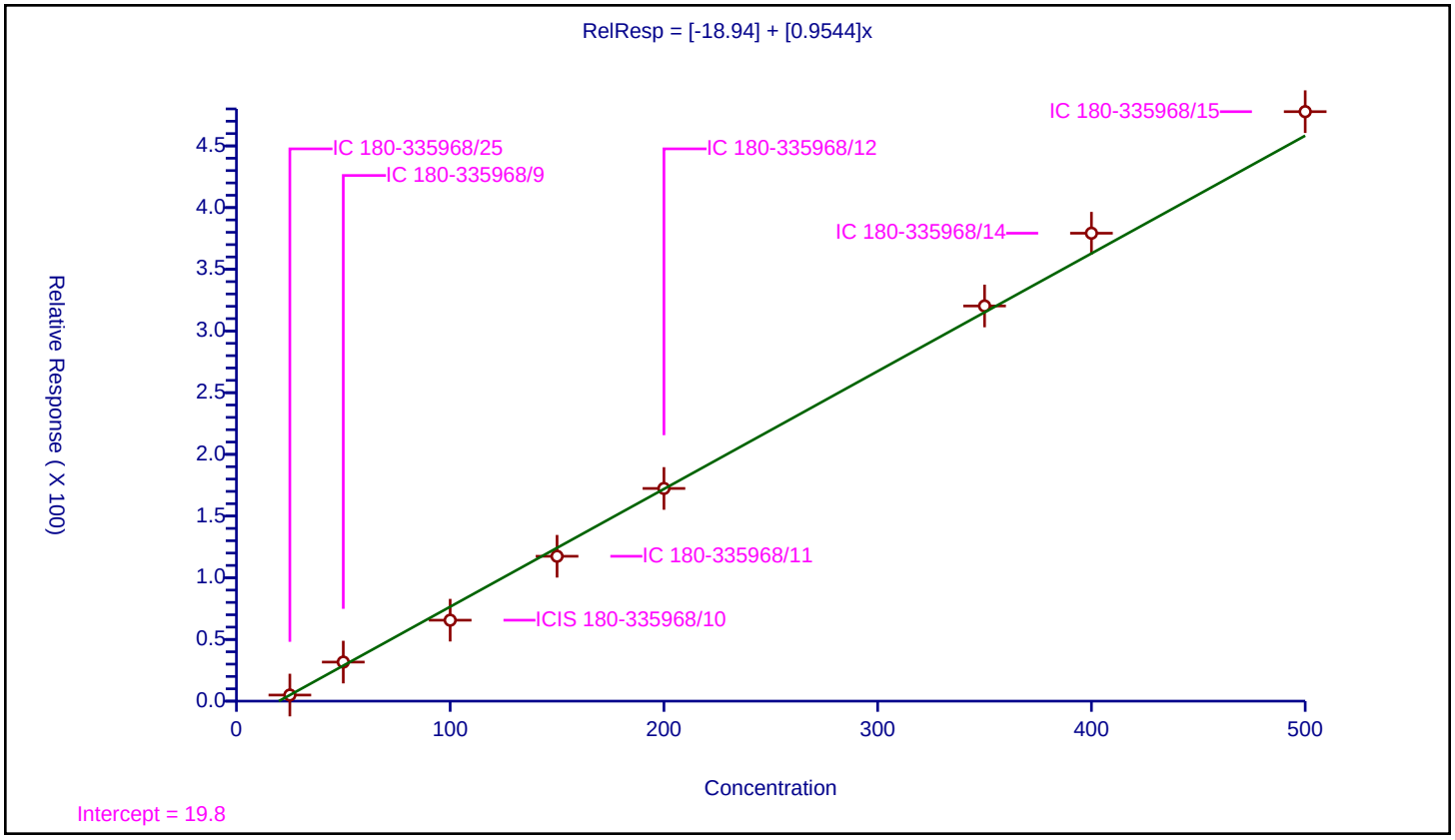
Curve Coefficients

Intercept:	-18.94
Slope:	0.9544

Error Coefficients

Standard Error:	771000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	25.0	4.933925	50.0	78244.0	0.197357	Y
2	IC 180-335968/9	50.0	31.649312	50.0	123118.0	0.632986	Y
3	ICIS 180-335968/10	100.0	65.60242	50.0	137014.0	0.656024	Y
4	IC 180-335968/11	150.0	117.418536	50.0	124135.0	0.78279	Y
5	IC 180-335968/12	200.0	172.384445	50.0	123664.0	0.861922	Y
6	IC 180-335968/13	350.0	320.279554	50.0	119941.0	0.915084	Y
7	IC 180-335968/14	400.0	379.233871	50.0	132184.0	0.948085	Y
8	IC 180-335968/15	500.0	477.757123	50.0	135295.0	0.955514	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

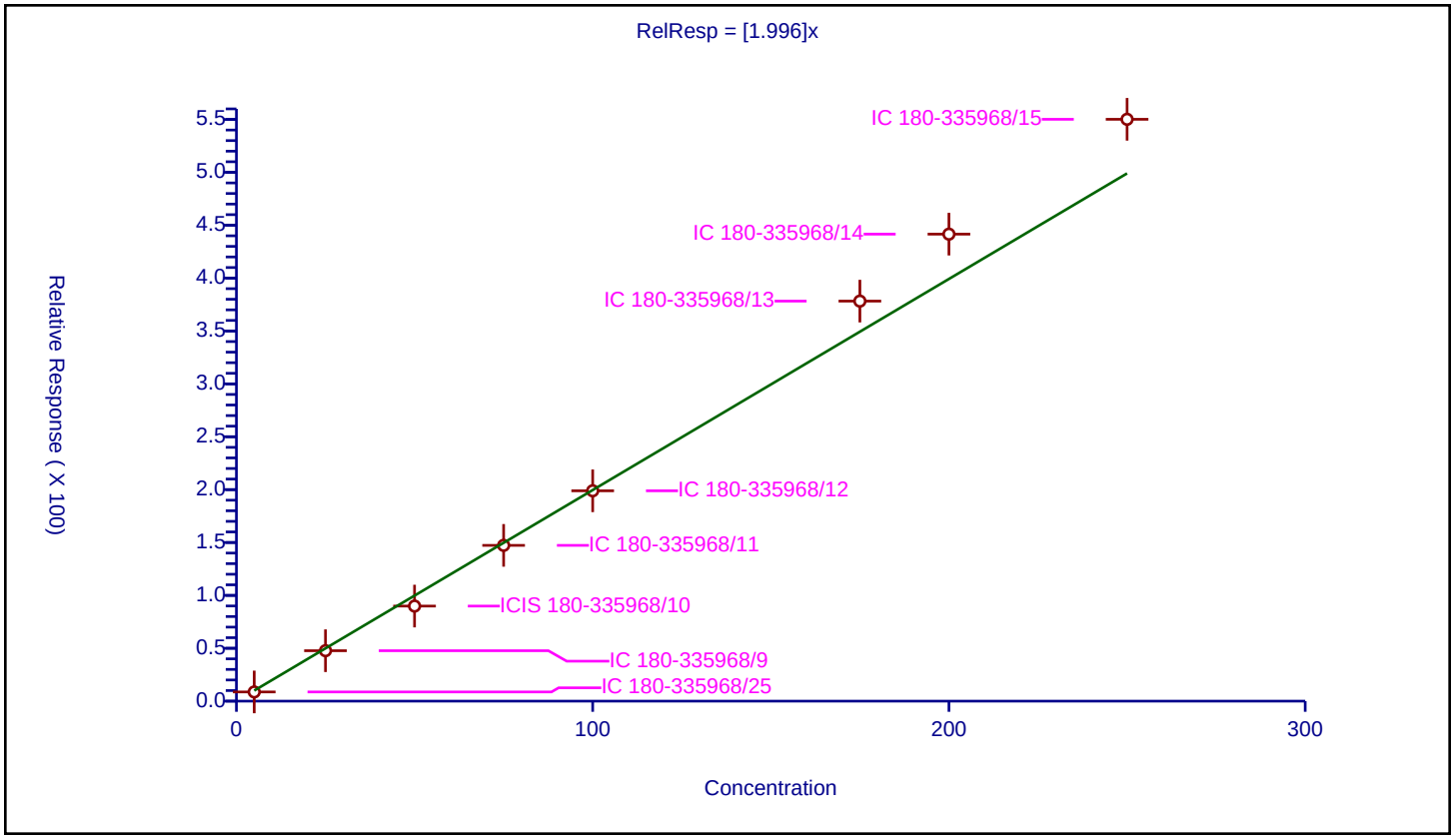
Curve Coefficients

Intercept:	0
Slope:	1.996

Error Coefficients

Standard Error:	832000
Relative Standard Error:	9.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.69907	50.0	78244.0	1.739814	Y
2	IC 180-335968/9	25.0	47.696113	50.0	123118.0	1.907845	Y
3	ICIS 180-335968/10	50.0	89.888625	50.0	137014.0	1.797772	Y
4	IC 180-335968/11	75.0	147.295283	50.0	124135.0	1.963937	Y
5	IC 180-335968/12	100.0	198.901054	50.0	123664.0	1.989011	Y
6	IC 180-335968/13	175.0	378.240135	50.0	119941.0	2.161372	Y
7	IC 180-335968/14	200.0	441.564032	50.0	132184.0	2.20782	Y
8	IC 180-335968/15	250.0	550.16076	50.0	135295.0	2.200643	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

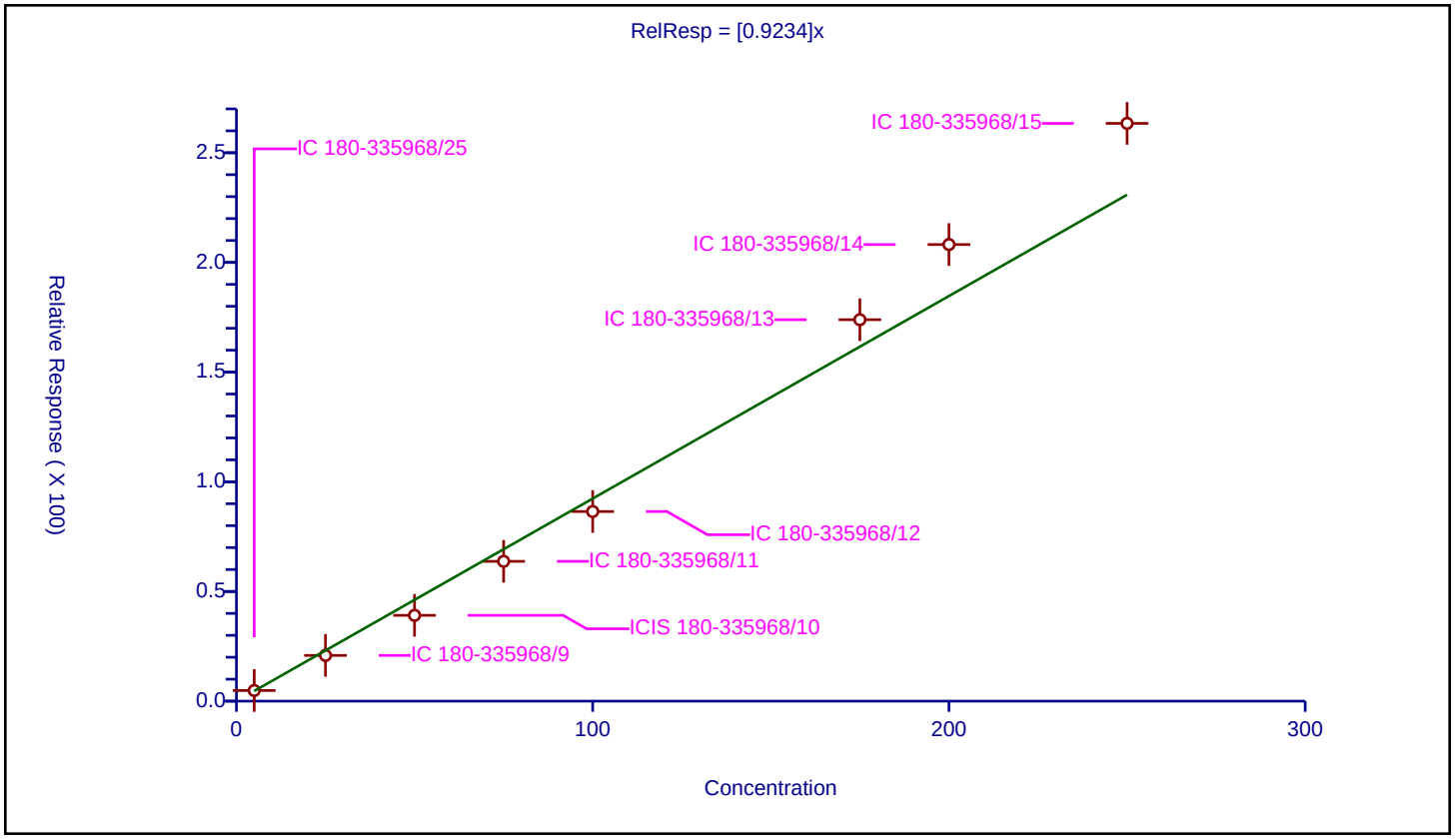
Curve Coefficients

Intercept:	0
Slope:	0.9234

Error Coefficients

Standard Error:	391000
Relative Standard Error:	11.2
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	4.8451	50.0	78244.0	0.96902	Y
2	IC 180-335968/9	25.0	20.838139	50.0	123118.0	0.833526	Y
3	ICIS 180-335968/10	50.0	39.1179	50.0	137014.0	0.782358	Y
4	IC 180-335968/11	75.0	63.731421	50.0	124135.0	0.849752	Y
5	IC 180-335968/12	100.0	86.447147	50.0	123664.0	0.864471	Y
6	IC 180-335968/13	175.0	173.893414	50.0	119941.0	0.993677	Y
7	IC 180-335968/14	200.0	208.153786	50.0	132184.0	1.040769	Y
8	IC 180-335968/15	250.0	263.39	50.0	135295.0	1.05356	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

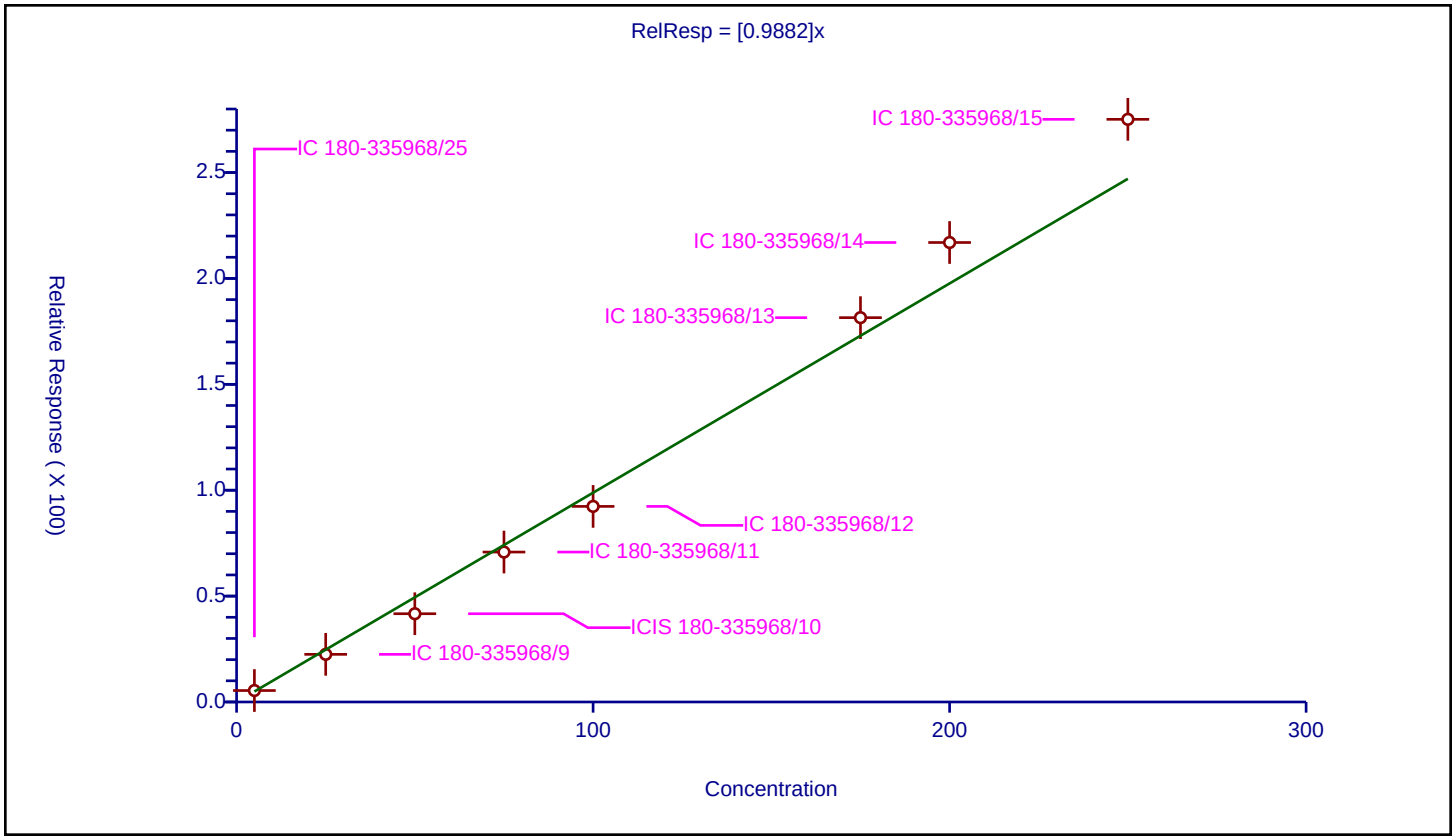
Curve Coefficients

Intercept:	0
Slope:	0.9882

Error Coefficients

Standard Error:	409000
Relative Standard Error:	10.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.410639	50.0	78244.0	1.082128	Y
2	IC 180-335968/9	25.0	22.498335	50.0	123118.0	0.899933	Y
3	ICIS 180-335968/10	50.0	41.674573	50.0	137014.0	0.833491	Y
4	IC 180-335968/11	75.0	70.797116	50.0	124135.0	0.943962	Y
5	IC 180-335968/12	100.0	92.356709	50.0	123664.0	0.923567	Y
6	IC 180-335968/13	175.0	181.485063	50.0	119941.0	1.037058	Y
7	IC 180-335968/14	200.0	216.960827	50.0	132184.0	1.084804	Y
8	IC 180-335968/15	250.0	275.123249	50.0	135295.0	1.100493	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

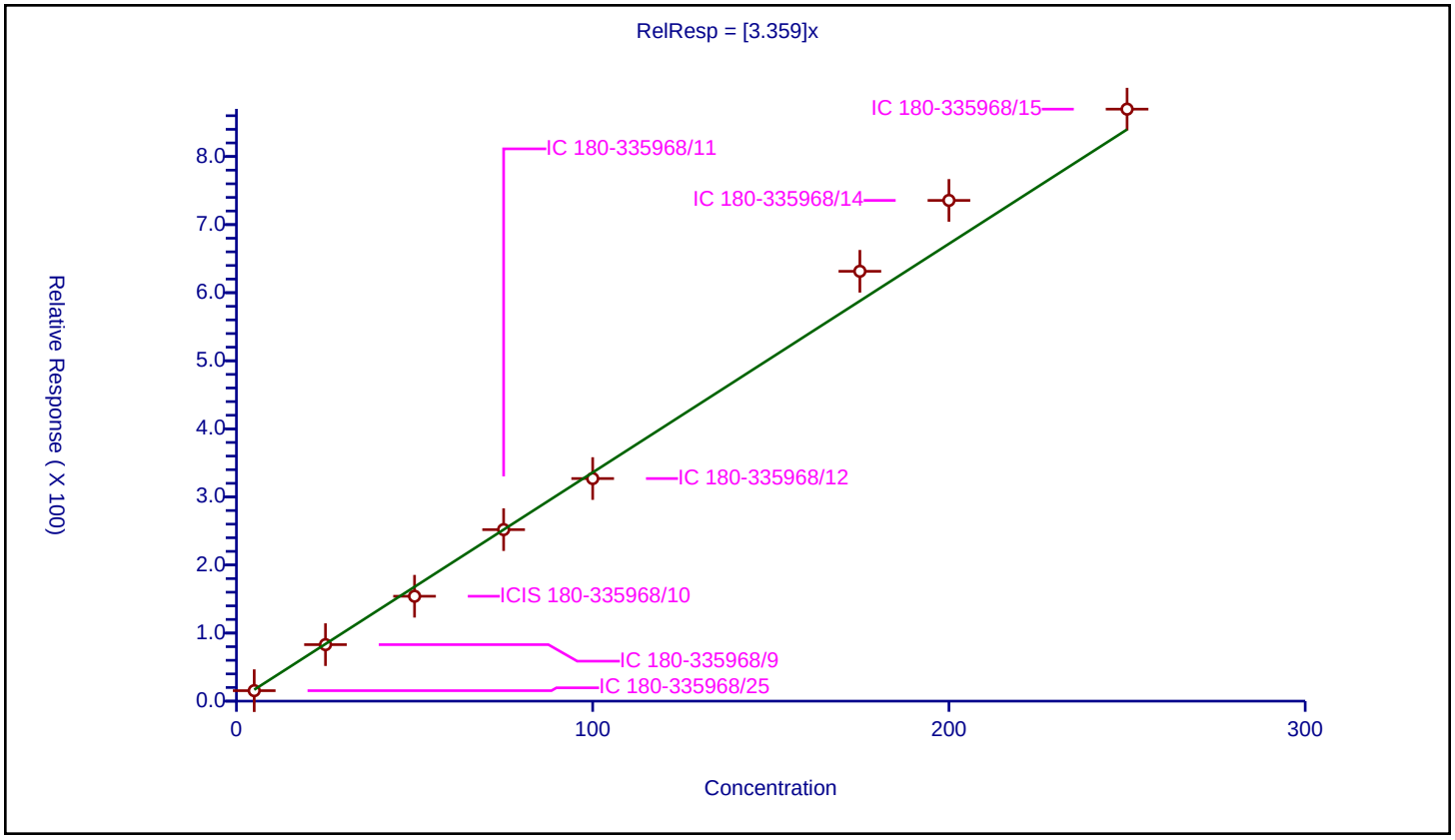
Curve Coefficients

Intercept:	0
Slope:	3.359

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	6.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	15.383927	50.0	78244.0	3.076785	Y
2	IC 180-335968/9	25.0	82.998424	50.0	123118.0	3.319937	Y
3	ICIS 180-335968/10	50.0	154.110529	50.0	137014.0	3.082211	Y
4	IC 180-335968/11	75.0	251.954727	50.0	124135.0	3.359396	Y
5	IC 180-335968/12	100.0	326.994113	50.0	123664.0	3.269941	Y
6	IC 180-335968/13	175.0	631.460051	50.0	119941.0	3.608343	Y
7	IC 180-335968/14	200.0	735.57314	50.0	132184.0	3.677866	Y
8	IC 180-335968/15	250.0	869.650763	50.0	135295.0	3.478603	Y



Calibration / Ethylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

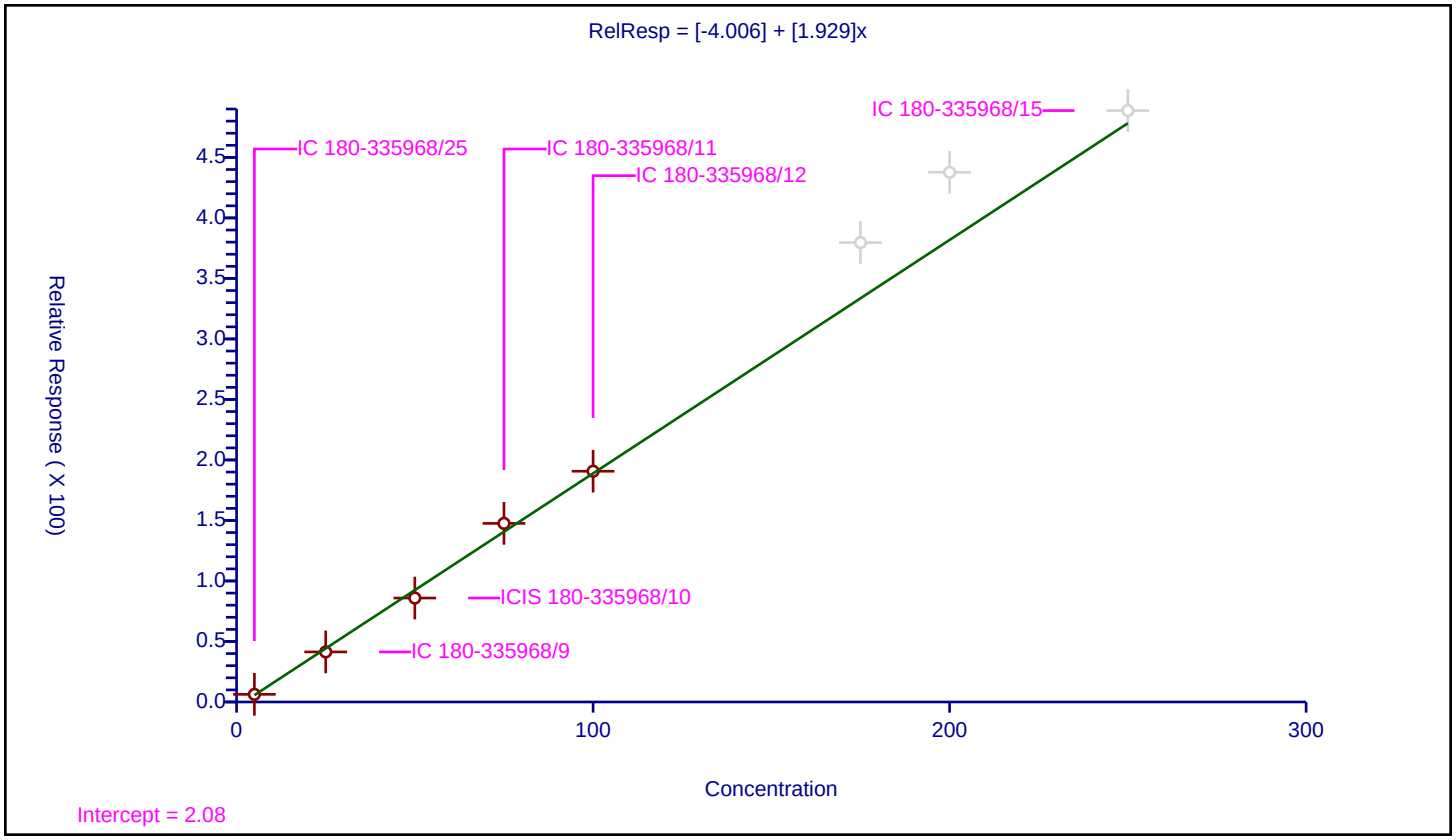
Curve Coefficients

Intercept:	-4.006
Slope:	1.929

Error Coefficients

Standard Error:	375000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.311666	50.0	78244.0	1.262333	Y
2	IC 180-335968/9	25.0	41.37088	50.0	123118.0	1.654835	Y
3	ICIS 180-335968/10	50.0	85.907644	50.0	137014.0	1.718153	Y
4	IC 180-335968/11	75.0	147.581665	50.0	124135.0	1.967756	Y
5	IC 180-335968/12	100.0	190.693735	50.0	123664.0	1.906937	Y
6	IC 180-335968/13	175.0	379.618729	50.0	119941.0	2.16925	N
7	IC 180-335968/14	200.0	437.711826	50.0	132184.0	2.188559	N
8	IC 180-335968/15	250.0	488.693595	50.0	135295.0	1.954774	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

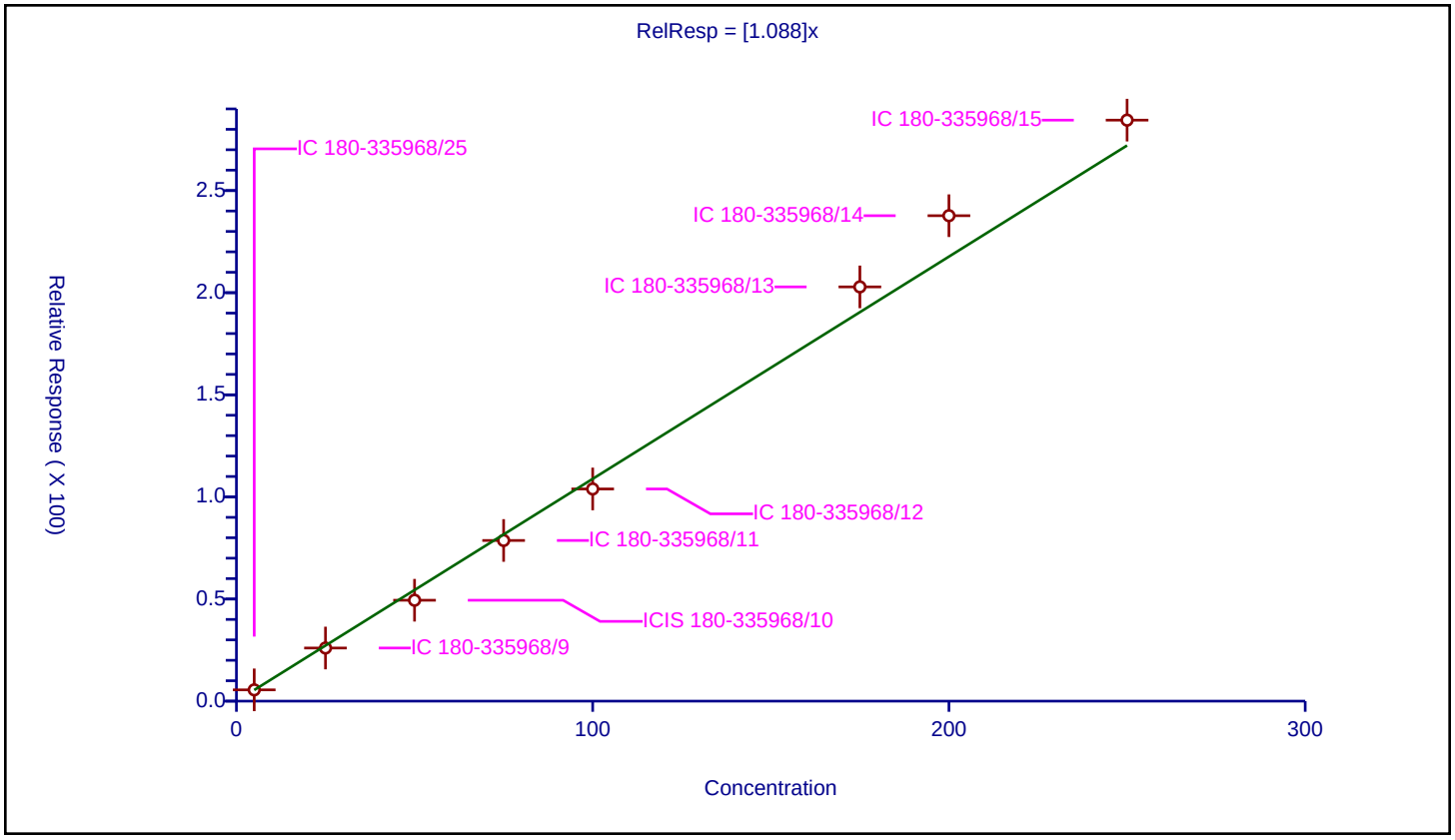
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Standard Error:	439000
Relative Standard Error:	6.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.52119	50.0	78244.0	1.104238	Y
2	IC 180-335968/9	25.0	26.015692	50.0	123118.0	1.040628	Y
3	ICIS 180-335968/10	50.0	49.409549	50.0	137014.0	0.988191	Y
4	IC 180-335968/11	75.0	78.67201	50.0	124135.0	1.04896	Y
5	IC 180-335968/12	100.0	103.900084	50.0	123664.0	1.039001	Y
6	IC 180-335968/13	175.0	202.841397	50.0	119941.0	1.159094	Y
7	IC 180-335968/14	200.0	237.703126	50.0	132184.0	1.188516	Y
8	IC 180-335968/15	250.0	284.501645	50.0	135295.0	1.138007	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

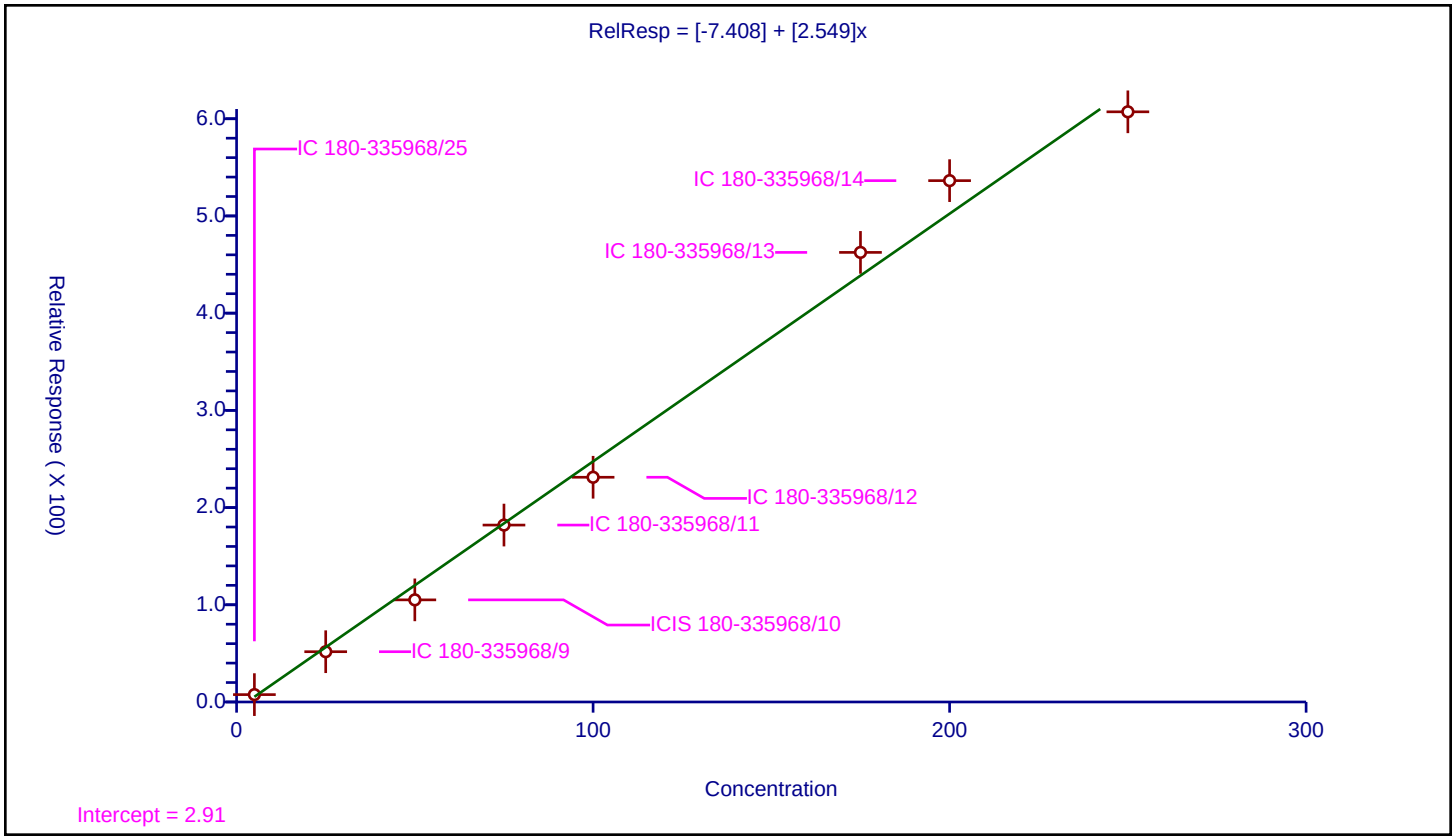
Curve Coefficients

Intercept:	-7.408
Slope:	2.549

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	7.598027	50.0	78244.0	1.519605	Y
2	IC 180-335968/9	25.0	51.714615	50.0	123118.0	2.068585	Y
3	ICIS 180-335968/10	50.0	105.060432	50.0	137014.0	2.101209	Y
4	IC 180-335968/11	75.0	182.003464	50.0	124135.0	2.426713	Y
5	IC 180-335968/12	100.0	231.176818	50.0	123664.0	2.311768	Y
6	IC 180-335968/13	175.0	462.491975	50.0	119941.0	2.642811	Y
7	IC 180-335968/14	200.0	536.32777	50.0	132184.0	2.681639	Y
8	IC 180-335968/15	250.0	607.121475	50.0	135295.0	2.428486	Y



Calibration / o-Xylene

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

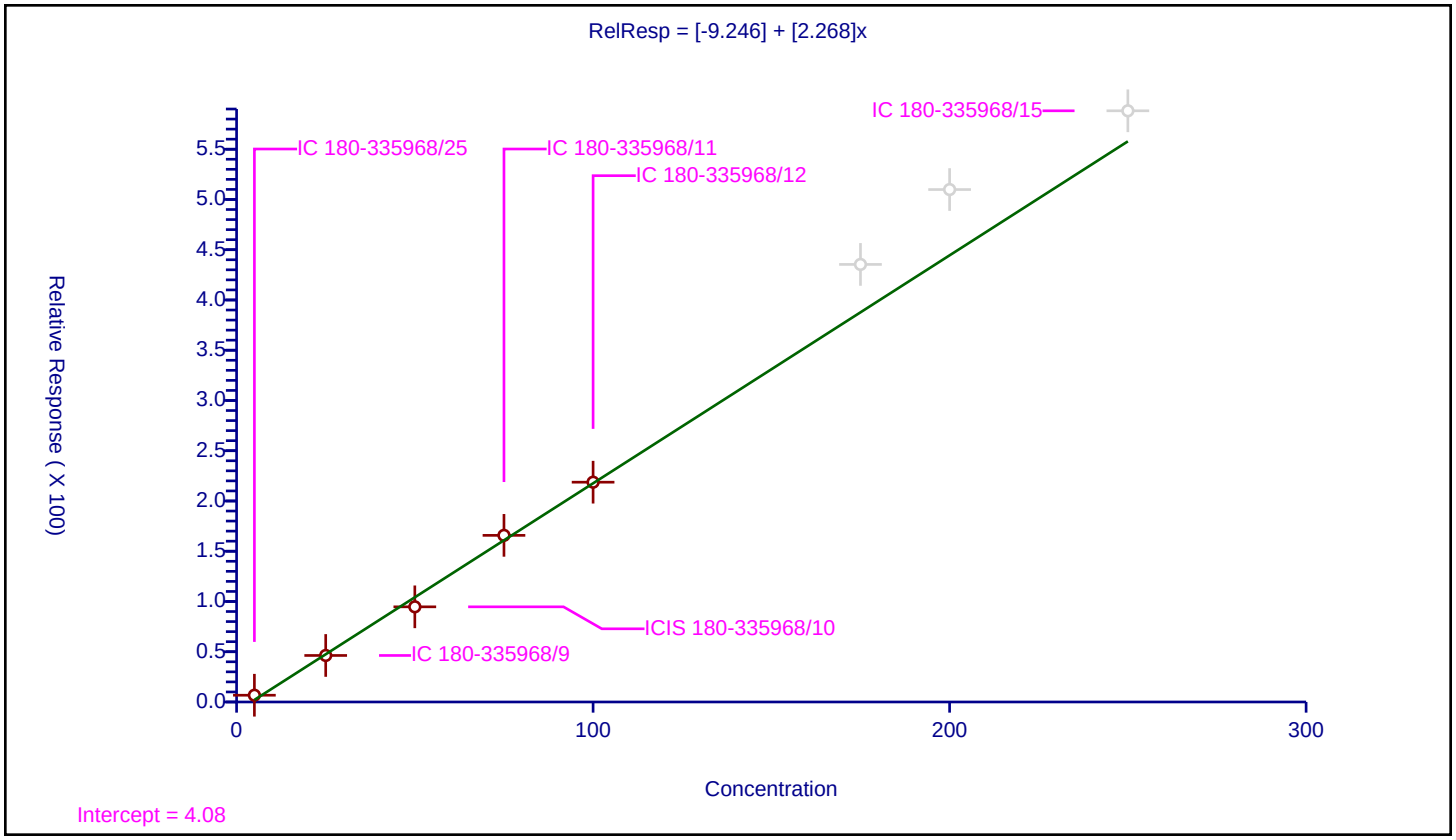
Curve Coefficients

Intercept:	-9.246
Slope:	2.268

Error Coefficients

Standard Error:	425000
Relative Standard Error:	24.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.720004	50.0	78244.0	1.344001	Y
2	IC 180-335968/9	25.0	46.282834	50.0	123118.0	1.851313	Y
3	ICIS 180-335968/10	50.0	94.68412	50.0	137014.0	1.893682	Y
4	IC 180-335968/11	75.0	165.792887	50.0	124135.0	2.210572	Y
5	IC 180-335968/12	100.0	218.692182	50.0	123664.0	2.186922	Y
6	IC 180-335968/13	175.0	435.366555	50.0	119941.0	2.487809	N
7	IC 180-335968/14	200.0	509.881302	50.0	132184.0	2.549407	N
8	IC 180-335968/15	250.0	588.227577	50.0	135295.0	2.35291	N



Calibration / Styrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

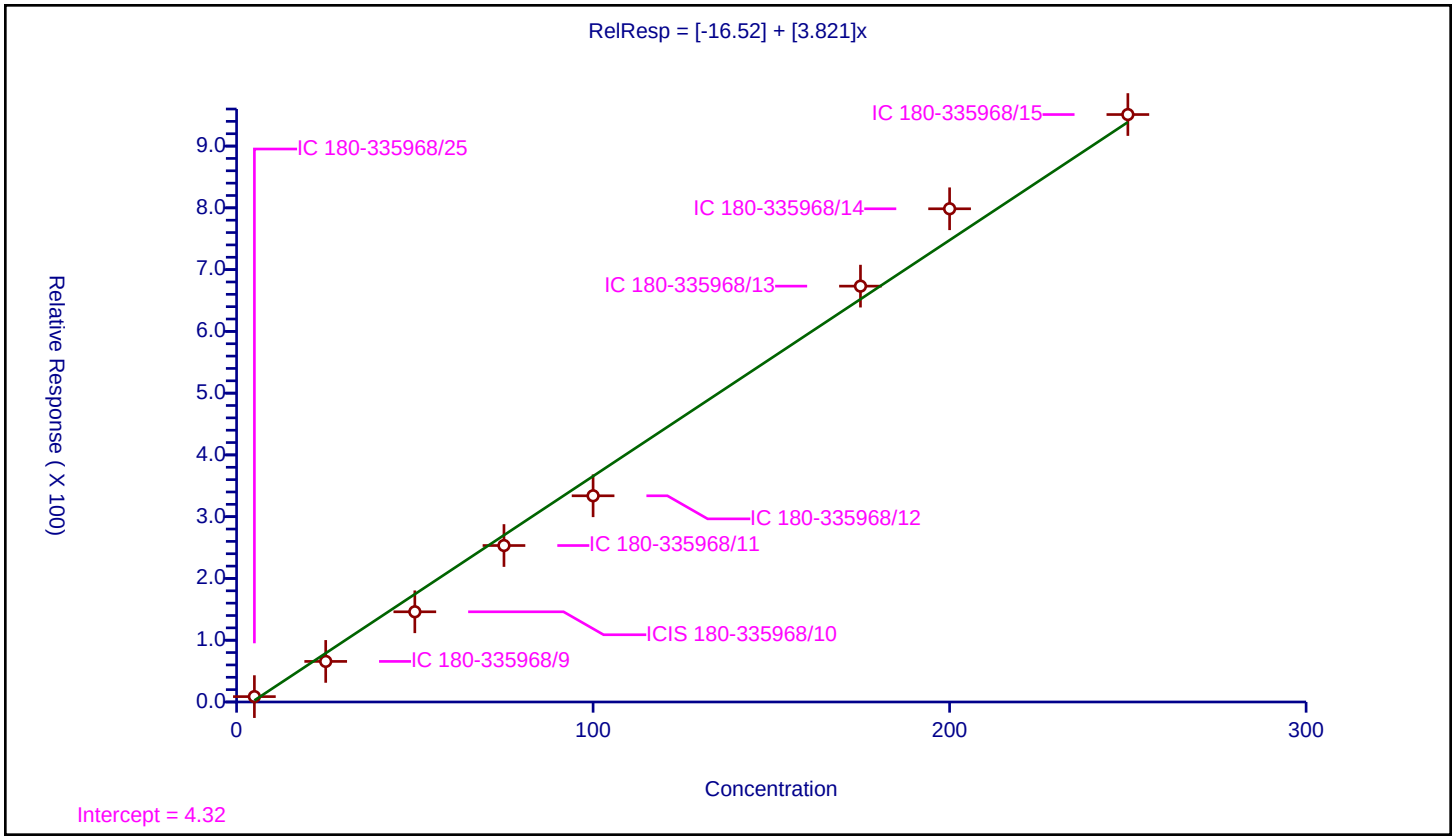
Curve Coefficients

Intercept:	-16.52
Slope:	3.821

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	16.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.67926	50.0	78244.0	1.735852	Y
2	IC 180-335968/9	25.0	65.684547	50.0	123118.0	2.627382	Y
3	ICIS 180-335968/10	50.0	146.051133	50.0	137014.0	2.921023	Y
4	IC 180-335968/11	75.0	253.316953	50.0	124135.0	3.377559	Y
5	IC 180-335968/12	100.0	333.816228	50.0	123664.0	3.338162	Y
6	IC 180-335968/13	175.0	673.246429	50.0	119941.0	3.847122	Y
7	IC 180-335968/14	200.0	798.485066	50.0	132184.0	3.992425	Y
8	IC 180-335968/15	250.0	951.054363	50.0	135295.0	3.804217	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

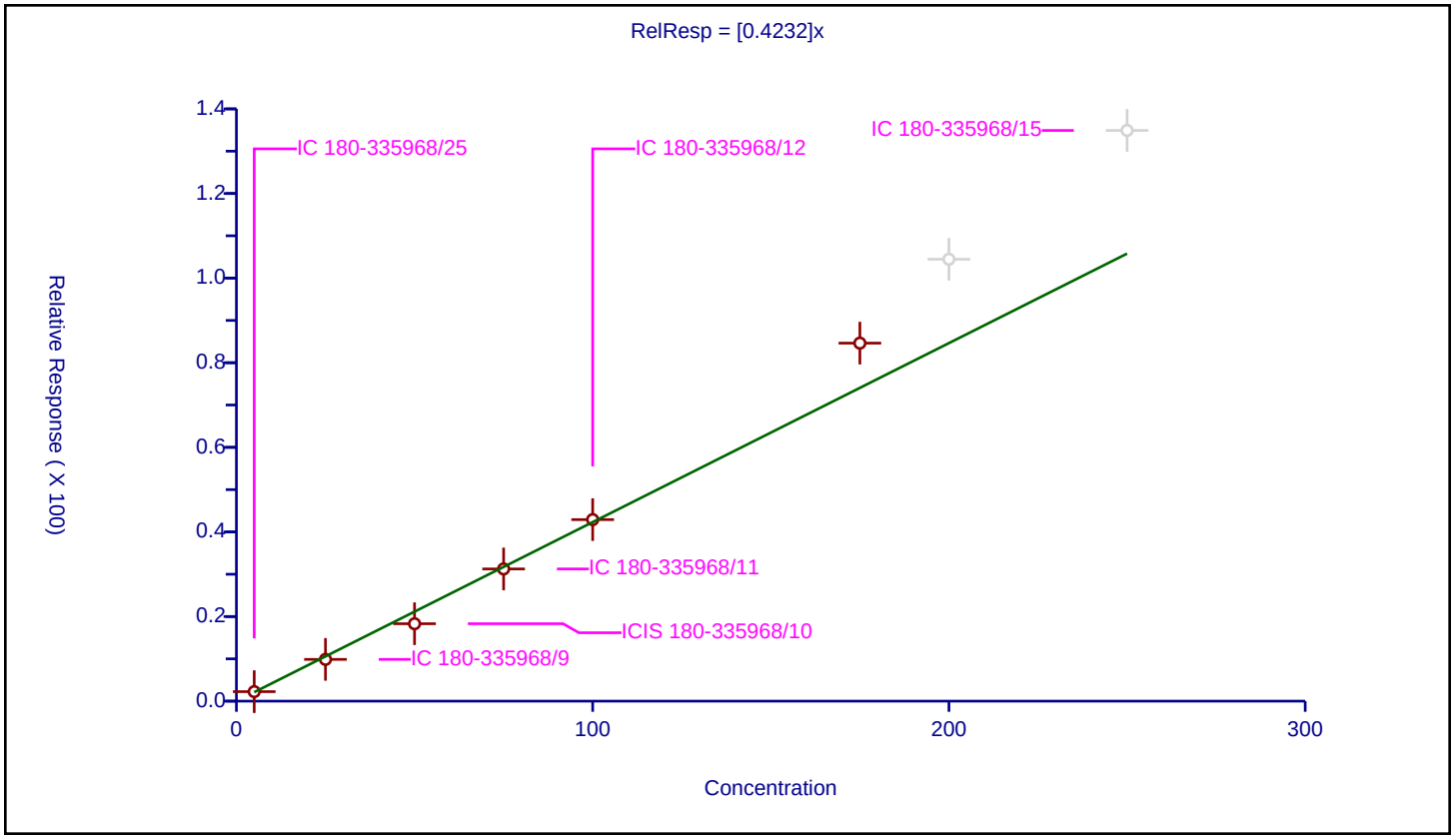
Curve Coefficients

Intercept:	0
Slope:	0.4232

Error Coefficients

Standard Error:	111000
Relative Standard Error:	9.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.244901	50.0	78244.0	0.44898	Y
2	IC 180-335968/9	25.0	9.867769	50.0	123118.0	0.394711	Y
3	ICIS 180-335968/10	50.0	18.29667	50.0	137014.0	0.365933	Y
4	IC 180-335968/11	75.0	31.249849	50.0	124135.0	0.416665	Y
5	IC 180-335968/12	100.0	42.908607	50.0	123664.0	0.429086	Y
6	IC 180-335968/13	175.0	84.625774	50.0	119941.0	0.483576	Y
7	IC 180-335968/14	200.0	104.457423	50.0	132184.0	0.522287	N
8	IC 180-335968/15	250.0	134.901512	50.0	135295.0	0.539606	N



Calibration / Isopropylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

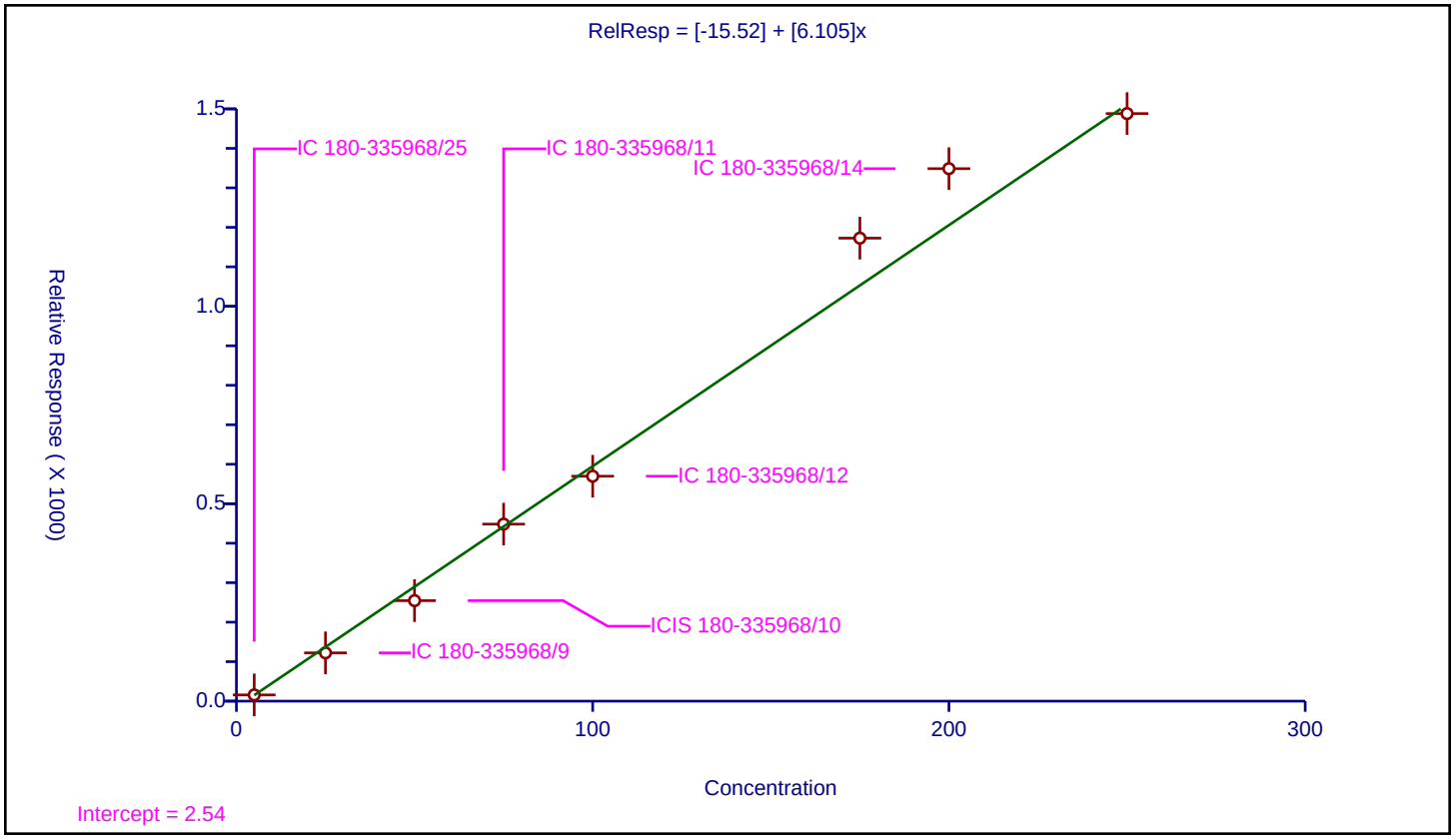
Curve Coefficients

Intercept:	-15.52
Slope:	6.105

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	15.812075	50.0	78244.0	3.162415	Y
2	IC 180-335968/9	25.0	122.272129	50.0	123118.0	4.890885	Y
3	ICIS 180-335968/10	50.0	254.576905	50.0	137014.0	5.091538	Y
4	IC 180-335968/11	75.0	448.365489	50.0	124135.0	5.978207	Y
5	IC 180-335968/12	100.0	569.6763	50.0	123664.0	5.696763	Y
6	IC 180-335968/13	175.0	1172.661975	50.0	119941.0	6.700926	Y
7	IC 180-335968/14	200.0	1348.659066	50.0	132184.0	6.743295	Y
8	IC 180-335968/15	250.0	1488.149599	50.0	135295.0	5.952598	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

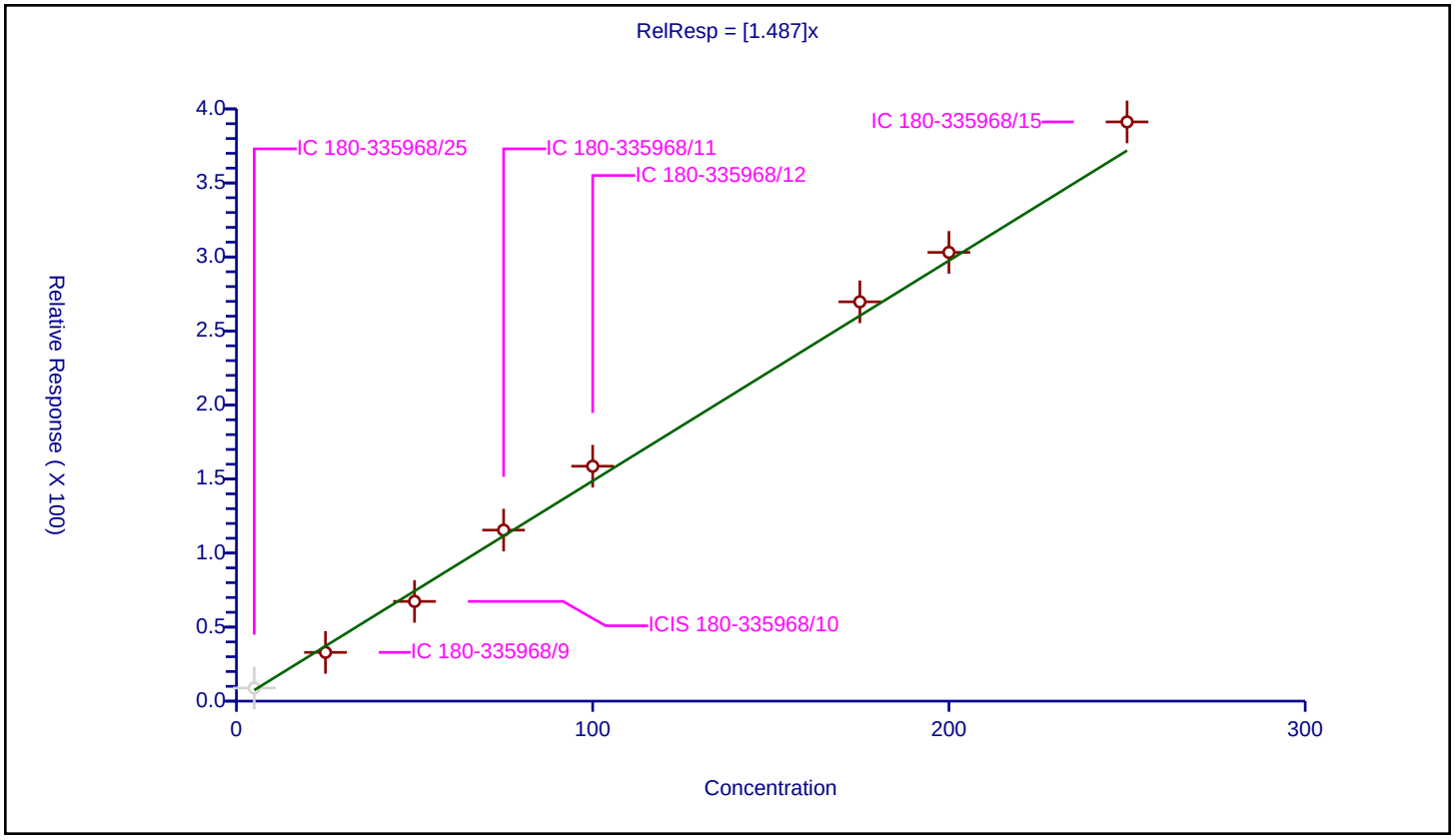
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.835821	50.0	78244.0	1.767164	N
2	IC 180-335968/9	25.0	32.927354	50.0	123118.0	1.317094	Y
3	ICIS 180-335968/10	50.0	67.349322	50.0	137014.0	1.346986	Y
4	IC 180-335968/11	75.0	115.507713	50.0	124135.0	1.540103	Y
5	IC 180-335968/12	100.0	158.663799	50.0	123664.0	1.586638	Y
6	IC 180-335968/13	175.0	269.715944	50.0	119941.0	1.541234	Y
7	IC 180-335968/14	200.0	303.094928	50.0	132184.0	1.515475	Y
8	IC 180-335968/15	250.0	391.213644	50.0	135295.0	1.564855	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

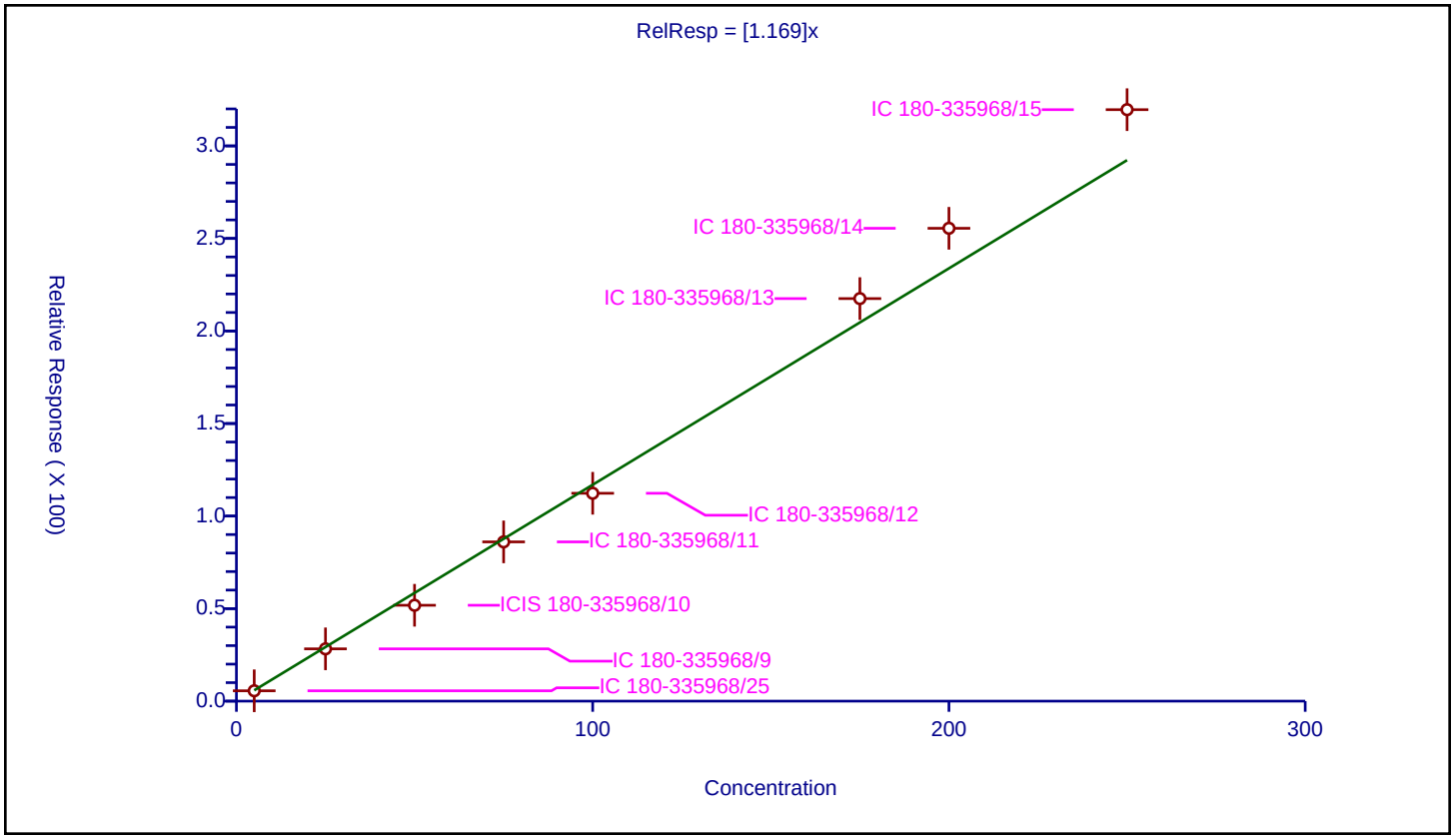
Curve Coefficients

Intercept:	0
Slope:	1.169

Error Coefficients

Standard Error:	482000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	5.589566	50.0	78244.0	1.117913	Y
2	IC 180-335968/9	25.0	28.252977	50.0	123118.0	1.130119	Y
3	ICIS 180-335968/10	50.0	51.80456	50.0	137014.0	1.036091	Y
4	IC 180-335968/11	75.0	86.051476	50.0	124135.0	1.147353	Y
5	IC 180-335968/12	100.0	112.317651	50.0	123664.0	1.123177	Y
6	IC 180-335968/13	175.0	217.504023	50.0	119941.0	1.24288	Y
7	IC 180-335968/14	200.0	255.487427	50.0	132184.0	1.277437	Y
8	IC 180-335968/15	250.0	319.582764	50.0	135295.0	1.278331	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

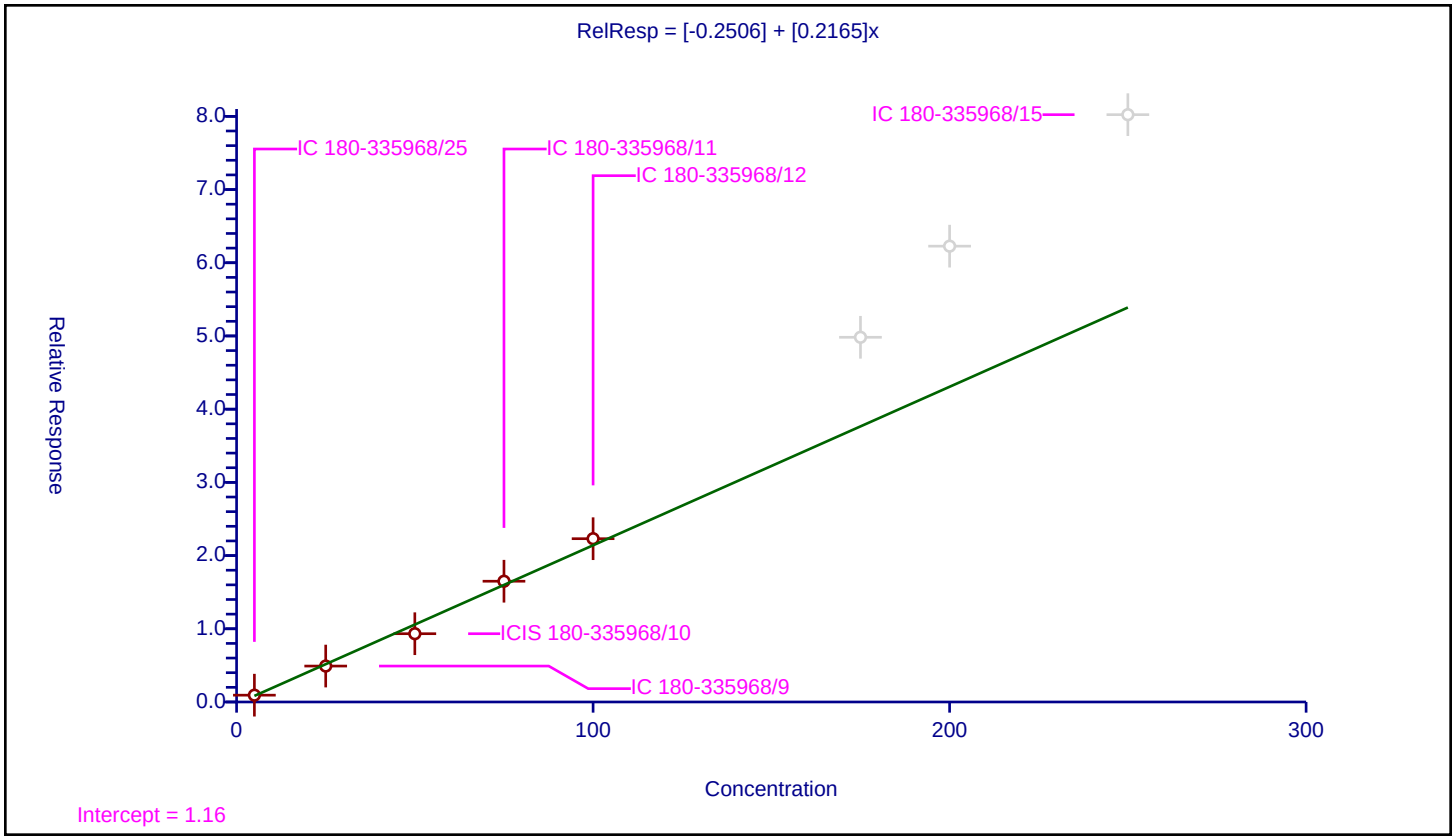
Curve Coefficients

Intercept:	-0.2506
Slope:	0.2165

Error Coefficients

Standard Error:	61500
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.928947	50.0	91017.0	0.185789	Y
2	IC 180-335968/9	25.0	4.910075	50.0	164692.0	0.196403	Y
3	ICIS 180-335968/10	50.0	9.327614	50.0	191051.0	0.186552	Y
4	IC 180-335968/11	75.0	16.493989	50.0	177595.0	0.21992	Y
5	IC 180-335968/12	100.0	22.305749	50.0	179317.0	0.223057	Y
6	IC 180-335968/13	175.0	49.820523	50.0	161023.0	0.284689	N
7	IC 180-335968/14	200.0	62.26677	50.0	177614.0	0.311334	N
8	IC 180-335968/15	250.0	80.226347	50.0	182728.0	0.320905	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

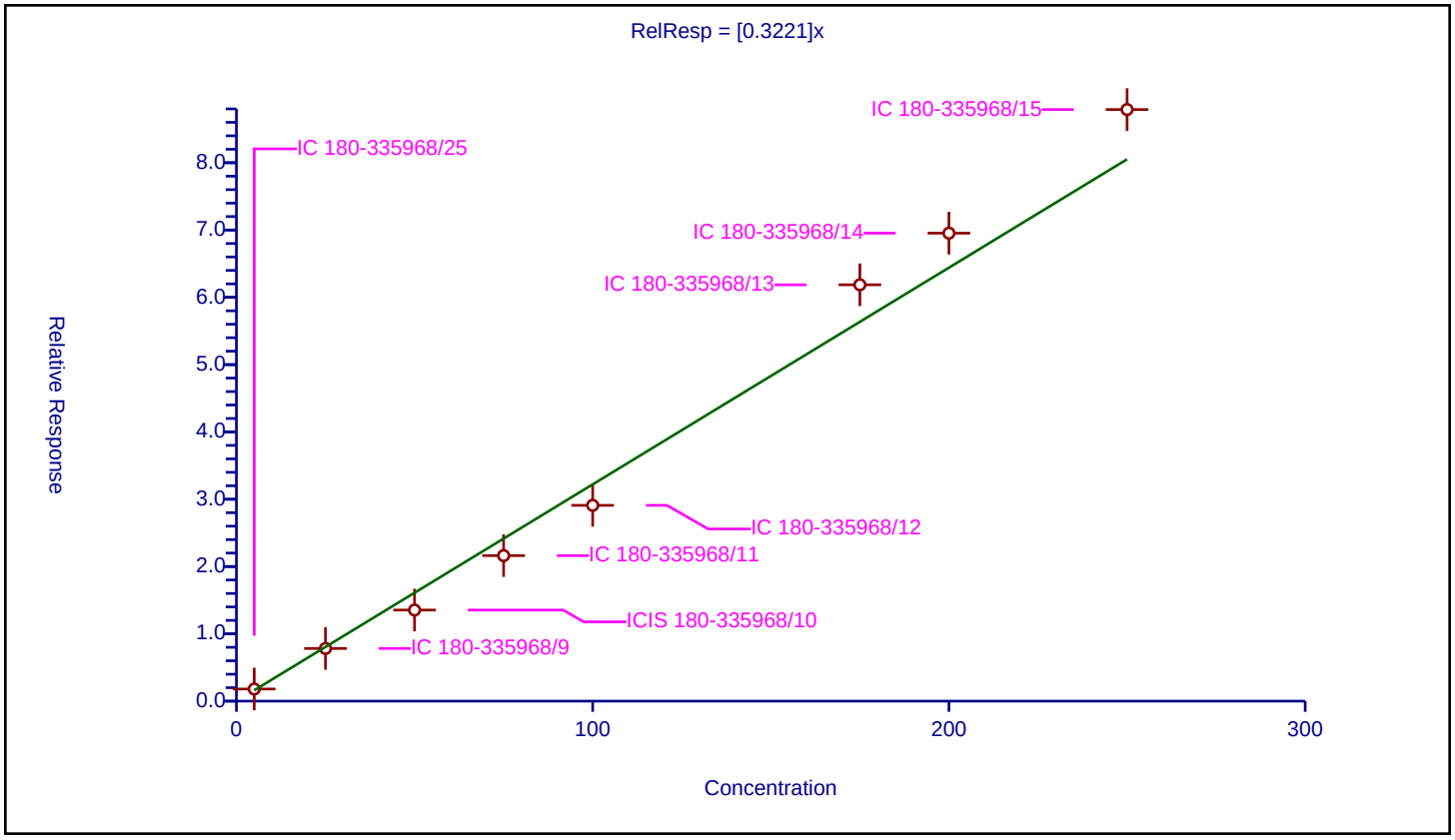
Curve Coefficients

Intercept:	0
Slope:	0.3221

Error Coefficients

Standard Error:	179000
Relative Standard Error:	11.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.803509	50.0	91017.0	0.360702	Y
2	IC 180-335968/9	25.0	7.825213	50.0	164692.0	0.313009	Y
3	ICIS 180-335968/10	50.0	13.535653	50.0	191051.0	0.270713	Y
4	IC 180-335968/11	75.0	21.623357	50.0	177595.0	0.288311	Y
5	IC 180-335968/12	100.0	29.092613	50.0	179317.0	0.290926	Y
6	IC 180-335968/13	175.0	61.863833	50.0	161023.0	0.353508	Y
7	IC 180-335968/14	200.0	69.536467	50.0	177614.0	0.347682	Y
8	IC 180-335968/15	250.0	87.902237	50.0	182728.0	0.351609	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

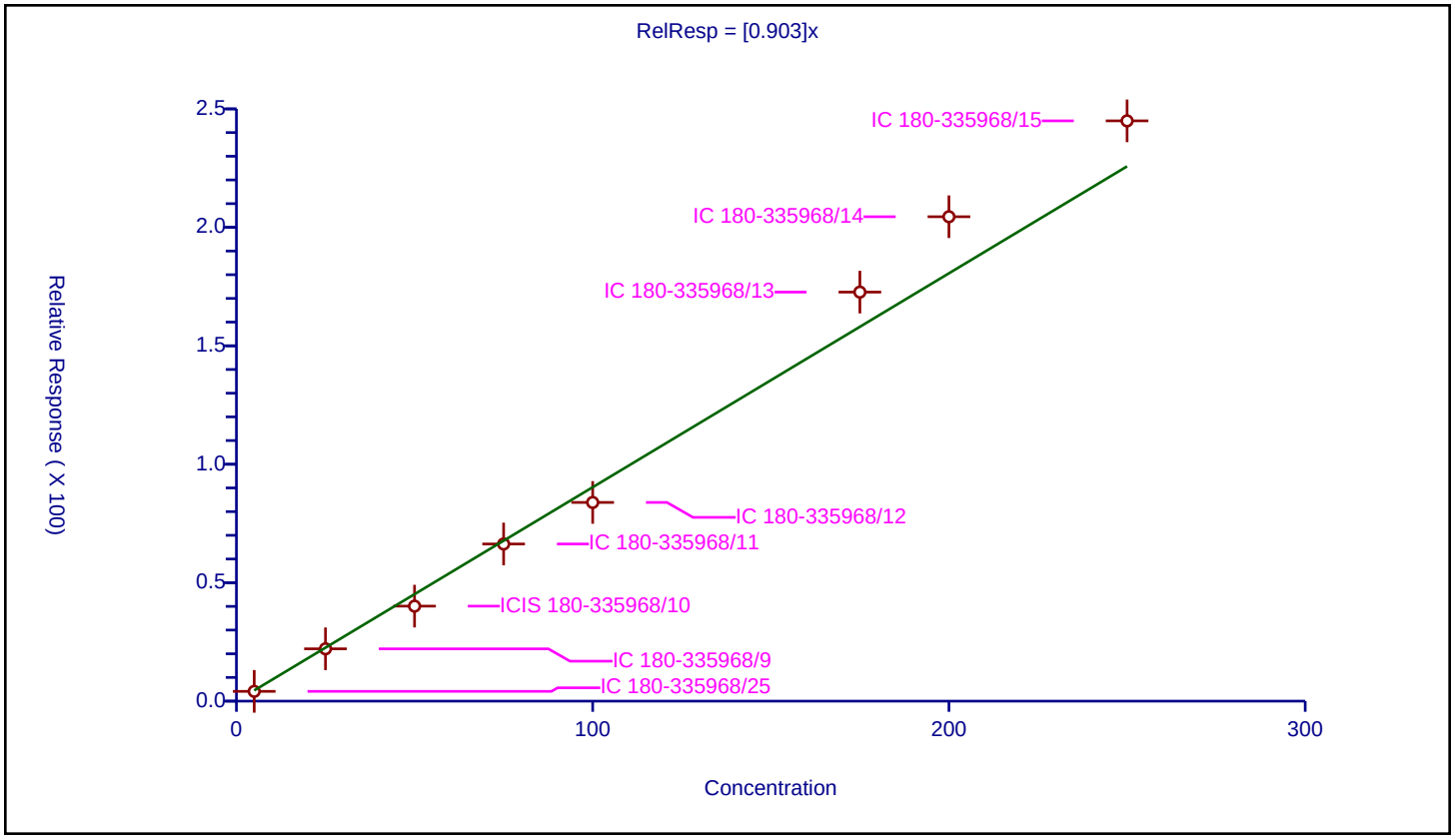
Curve Coefficients

Intercept:	0
Slope:	0.903

Error Coefficients

Standard Error:	509000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	4.131646	50.0	91017.0	0.826329	Y
2	IC 180-335968/9	25.0	22.083343	50.0	164692.0	0.883334	Y
3	ICIS 180-335968/10	50.0	40.111541	50.0	191051.0	0.802231	Y
4	IC 180-335968/11	75.0	66.334356	50.0	177595.0	0.884458	Y
5	IC 180-335968/12	100.0	83.871022	50.0	179317.0	0.83871	Y
6	IC 180-335968/13	175.0	172.657322	50.0	161023.0	0.986613	Y
7	IC 180-335968/14	200.0	204.474309	50.0	177614.0	1.022372	Y
8	IC 180-335968/15	250.0	244.946314	50.0	182728.0	0.979785	Y



Calibration / N-Propylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

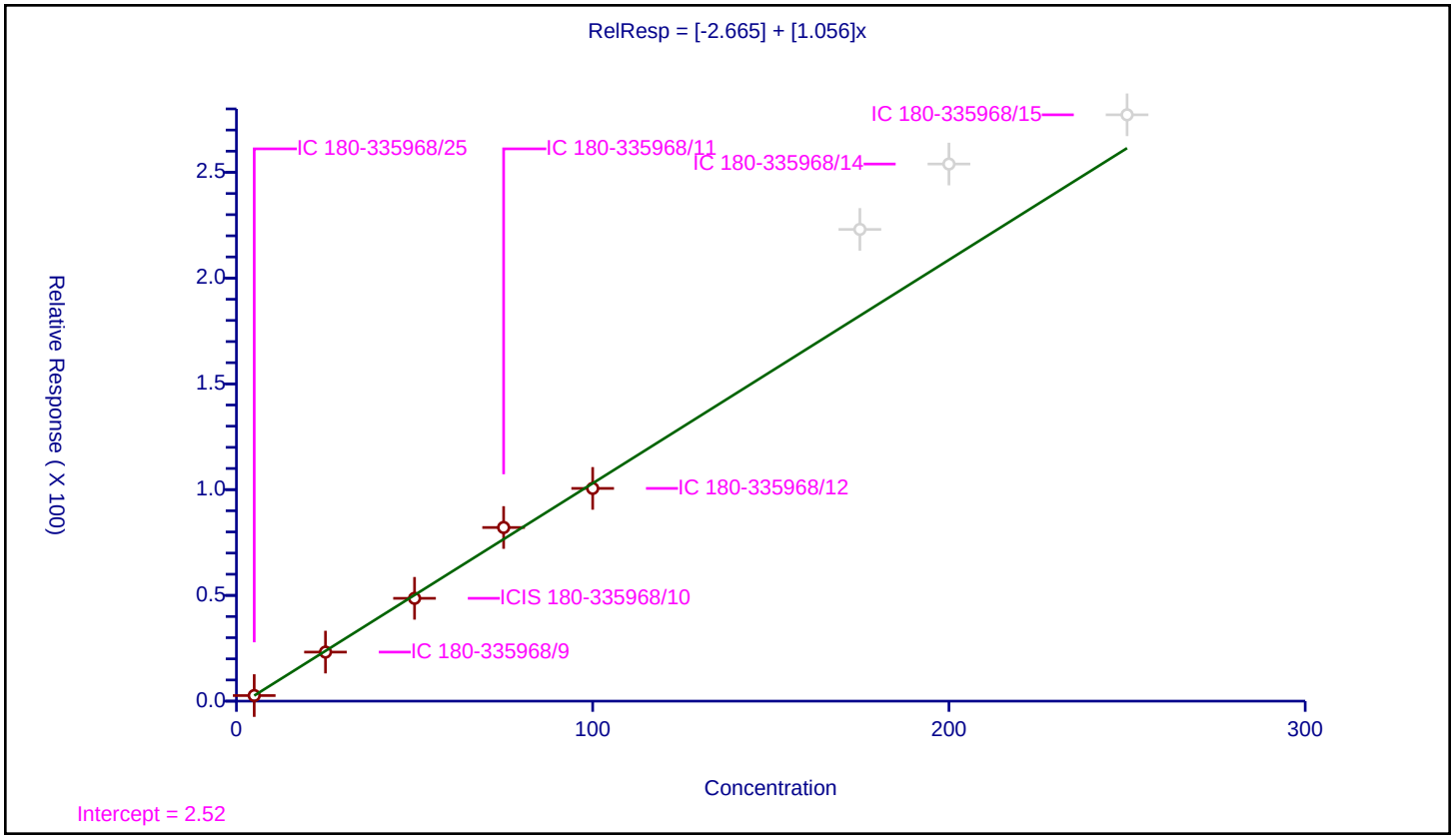
Curve Coefficients

Intercept:	-2.665
Slope:	1.056

Error Coefficients

Standard Error:	292000
Relative Standard Error:	4.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	2.63687	50.0	91017.0	0.527374	Y
2	IC 180-335968/9	25.0	23.187222	50.0	164692.0	0.927489	Y
3	ICIS 180-335968/10	50.0	48.607963	50.0	191051.0	0.972159	Y
4	IC 180-335968/11	75.0	82.092401	50.0	177595.0	1.094565	Y
5	IC 180-335968/12	100.0	100.571613	50.0	179317.0	1.005716	Y
6	IC 180-335968/13	175.0	223.022798	50.0	161023.0	1.274416	N
7	IC 180-335968/14	200.0	253.940568	50.0	177614.0	1.269703	N
8	IC 180-335968/15	250.0	277.210389	50.0	182728.0	1.108842	N



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

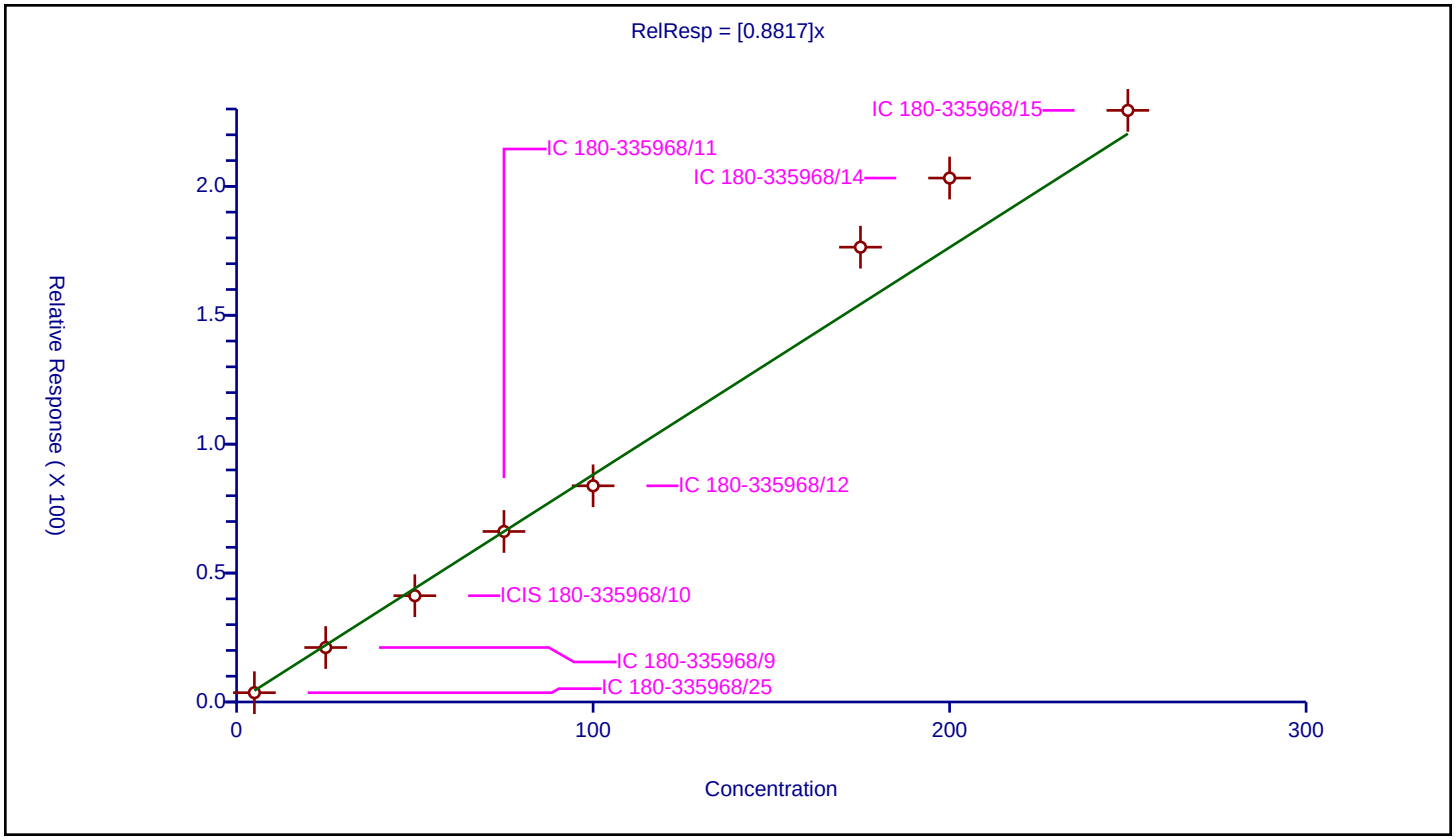
Curve Coefficients

Intercept:	0
Slope:	0.8817

Error Coefficients

Standard Error:	496000
Relative Standard Error:	11.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.607018	50.0	91017.0	0.721404	Y
2	IC 180-335968/9	25.0	21.12337	50.0	164692.0	0.844935	Y
3	ICIS 180-335968/10	50.0	41.221716	50.0	191051.0	0.824434	Y
4	IC 180-335968/11	75.0	66.141502	50.0	177595.0	0.881887	Y
5	IC 180-335968/12	100.0	83.844253	50.0	179317.0	0.838443	Y
6	IC 180-335968/13	175.0	176.412376	50.0	161023.0	1.008071	Y
7	IC 180-335968/14	200.0	203.224689	50.0	177614.0	1.016123	Y
8	IC 180-335968/15	250.0	229.476325	50.0	182728.0	0.917905	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

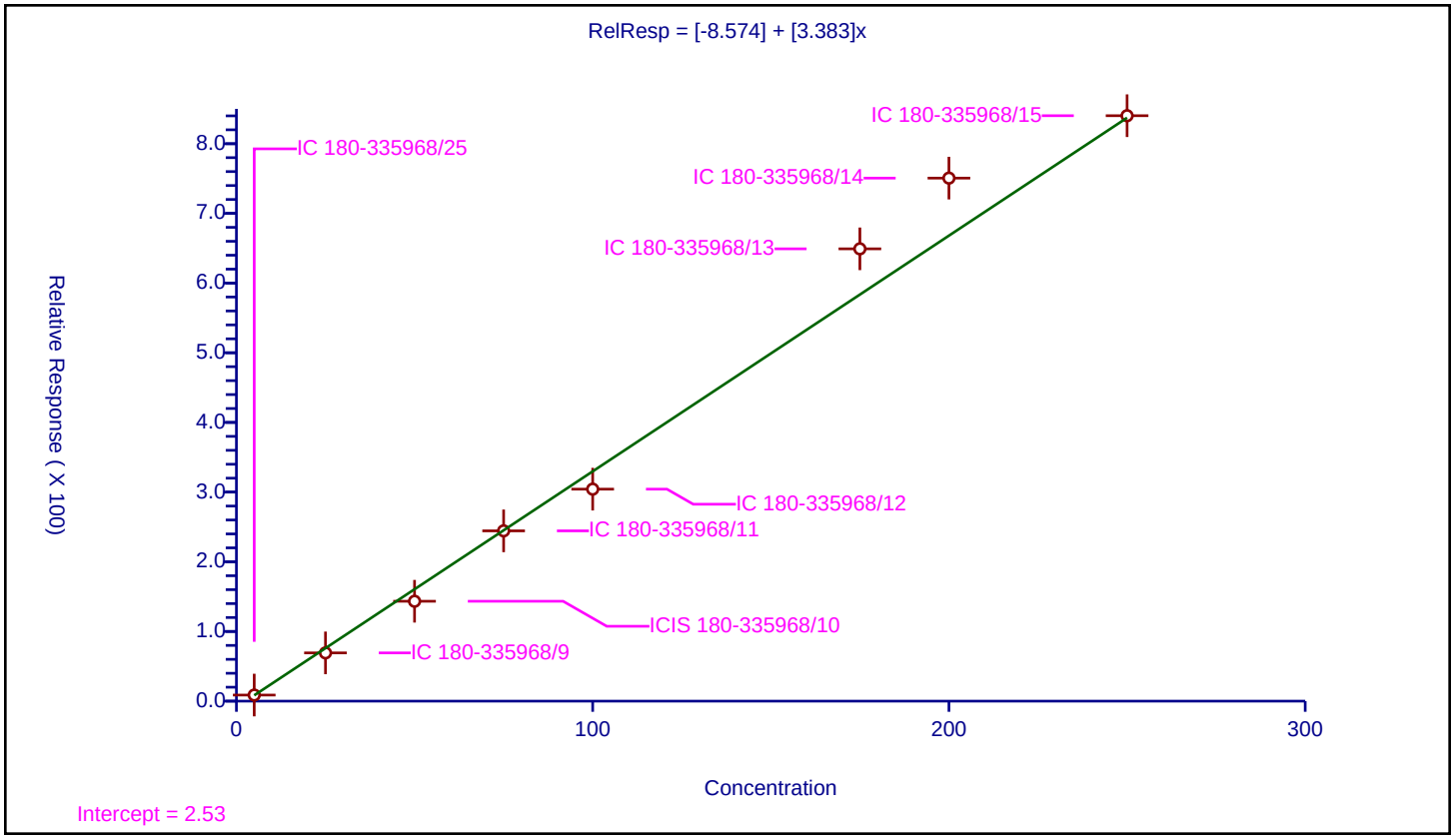
Curve Coefficients

Intercept:	-8.574
Slope:	3.383

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.746718	50.0	91017.0	1.749344	Y
2	IC 180-335968/9	25.0	69.243497	50.0	164692.0	2.76974	Y
3	ICIS 180-335968/10	50.0	143.351513	50.0	191051.0	2.86703	Y
4	IC 180-335968/11	75.0	244.404685	50.0	177595.0	3.258729	Y
5	IC 180-335968/12	100.0	304.26089	50.0	179317.0	3.042609	Y
6	IC 180-335968/13	175.0	649.156332	50.0	161023.0	3.709465	Y
7	IC 180-335968/14	200.0	750.670274	50.0	177614.0	3.753351	Y
8	IC 180-335968/15	250.0	840.202651	50.0	182728.0	3.360811	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

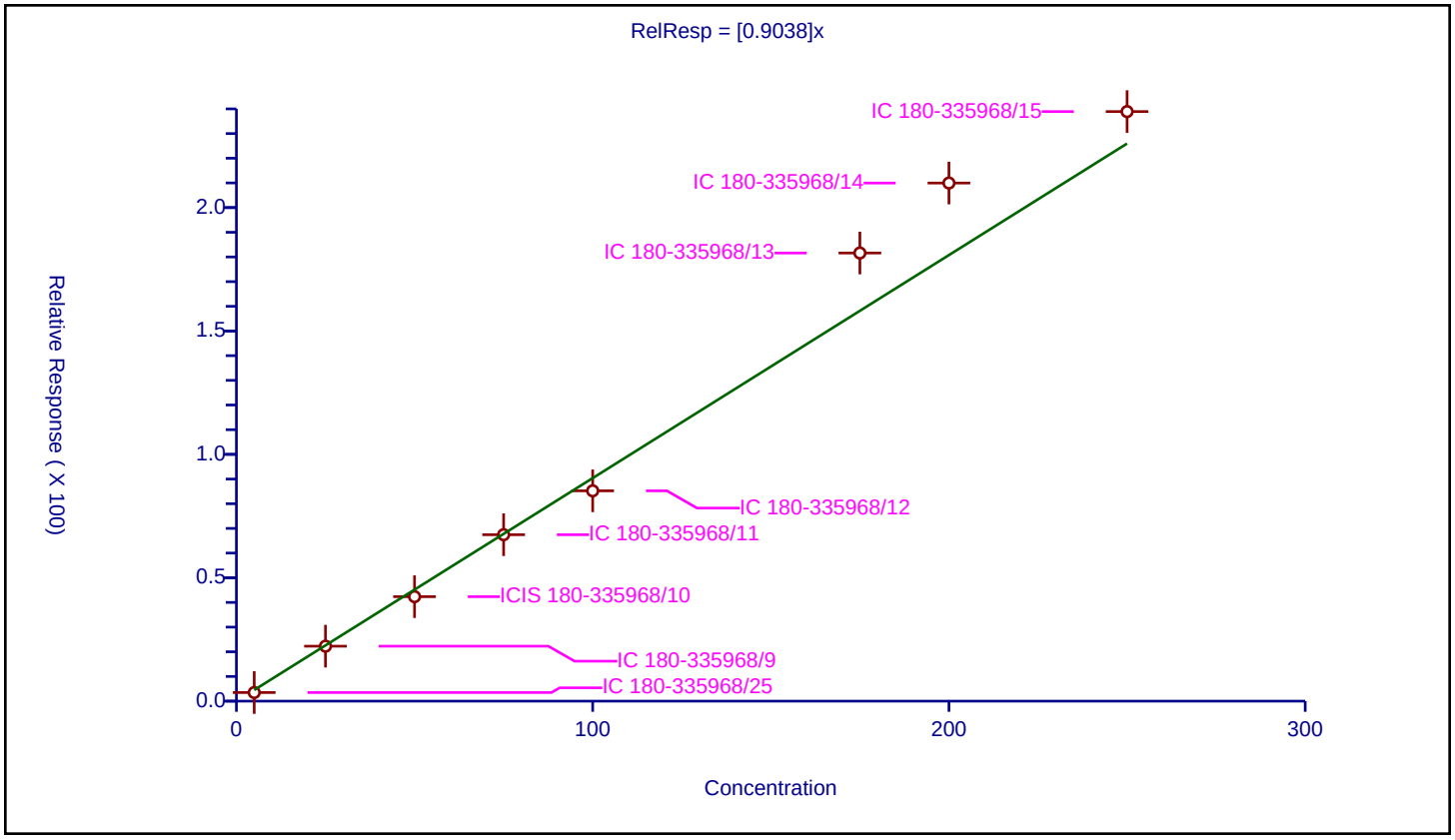
Curve Coefficients

Intercept:	0
Slope:	0.9038

Error Coefficients

Standard Error:	513000
Relative Standard Error:	12.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	3.490557	50.0	91017.0	0.698111	Y
2	IC 180-335968/9	25.0	22.276431	50.0	164692.0	0.891057	Y
3	ICIS 180-335968/10	50.0	42.334508	50.0	191051.0	0.84669	Y
4	IC 180-335968/11	75.0	67.445029	50.0	177595.0	0.899267	Y
5	IC 180-335968/12	100.0	85.225048	50.0	179317.0	0.85225	Y
6	IC 180-335968/13	175.0	181.598281	50.0	161023.0	1.037704	Y
7	IC 180-335968/14	200.0	209.950511	50.0	177614.0	1.049753	Y
8	IC 180-335968/15	250.0	238.909746	50.0	182728.0	0.955639	Y



Calibration / tert-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

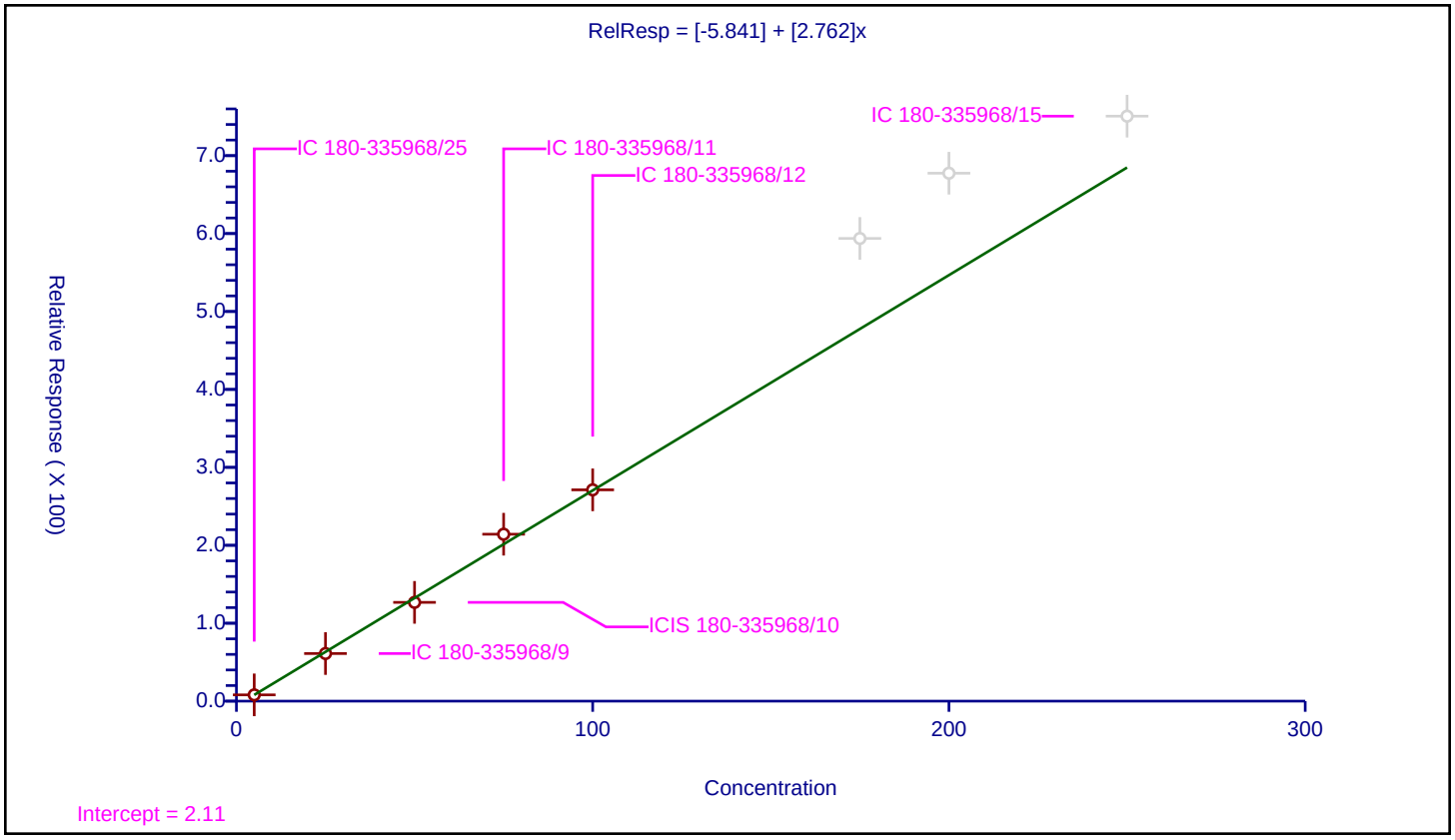
Curve Coefficients

Intercept:	-5.841
Slope:	2.762

Error Coefficients

Standard Error:	774000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.051793	50.0	91017.0	1.610359	Y
2	IC 180-335968/9	25.0	61.104365	50.0	164692.0	2.444175	Y
3	ICIS 180-335968/10	50.0	126.752804	50.0	191051.0	2.535056	Y
4	IC 180-335968/11	75.0	214.204792	50.0	177595.0	2.856064	Y
5	IC 180-335968/12	100.0	271.162243	50.0	179317.0	2.711622	Y
6	IC 180-335968/13	175.0	593.71301	50.0	161023.0	3.392646	N
7	IC 180-335968/14	200.0	677.461799	50.0	177614.0	3.387309	N
8	IC 180-335968/15	250.0	750.65644	50.0	182728.0	3.002626	N



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

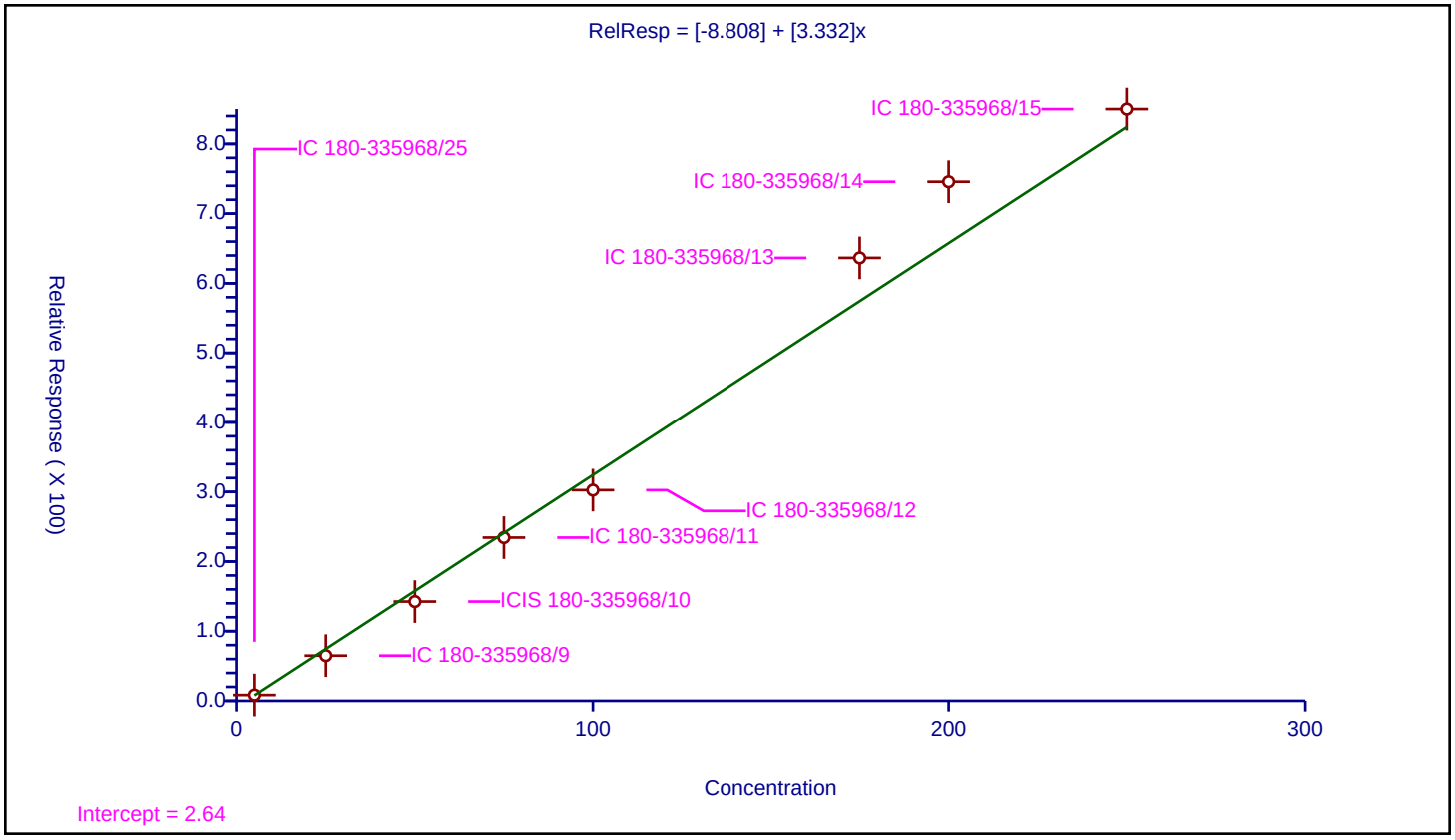
Curve Coefficients

Intercept:	-8.808
Slope:	3.332

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	9.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.362723	50.0	91017.0	1.672545	Y
2	IC 180-335968/9	25.0	64.832839	50.0	164692.0	2.593314	Y
3	ICIS 180-335968/10	50.0	142.523462	50.0	191051.0	2.850469	Y
4	IC 180-335968/11	75.0	234.421859	50.0	177595.0	3.125625	Y
5	IC 180-335968/12	100.0	302.659536	50.0	179317.0	3.026595	Y
6	IC 180-335968/13	175.0	636.551611	50.0	161023.0	3.637438	Y
7	IC 180-335968/14	200.0	745.790591	50.0	177614.0	3.728953	Y
8	IC 180-335968/15	250.0	849.938159	50.0	182728.0	3.399753	Y



Calibration / sec-Butylbenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

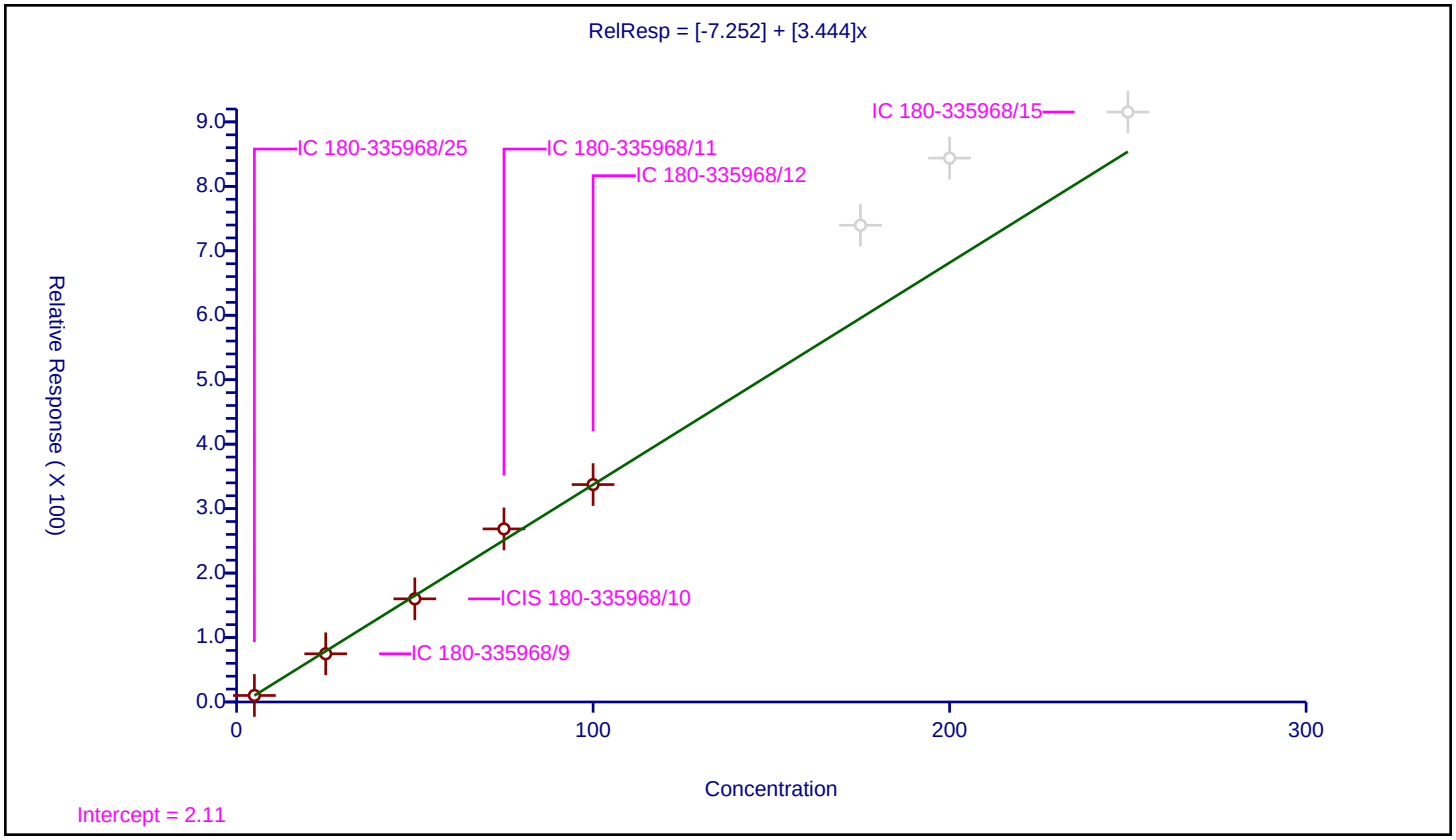
Curve Coefficients

Intercept:	-7.252
Slope:	3.444

Error Coefficients

Standard Error:	967000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	10.103607	50.0	91017.0	2.020721	Y
2	IC 180-335968/9	25.0	74.768963	50.0	164692.0	2.990759	Y
3	ICIS 180-335968/10	50.0	160.035802	50.0	191051.0	3.200716	Y
4	IC 180-335968/11	75.0	268.552606	50.0	177595.0	3.580701	Y
5	IC 180-335968/12	100.0	337.346152	50.0	179317.0	3.373462	Y
6	IC 180-335968/13	175.0	739.660483	50.0	161023.0	4.226631	N
7	IC 180-335968/14	200.0	843.834101	50.0	177614.0	4.219171	N
8	IC 180-335968/15	250.0	915.343297	50.0	182728.0	3.661373	N



Calibration / 4-Isopropyltoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

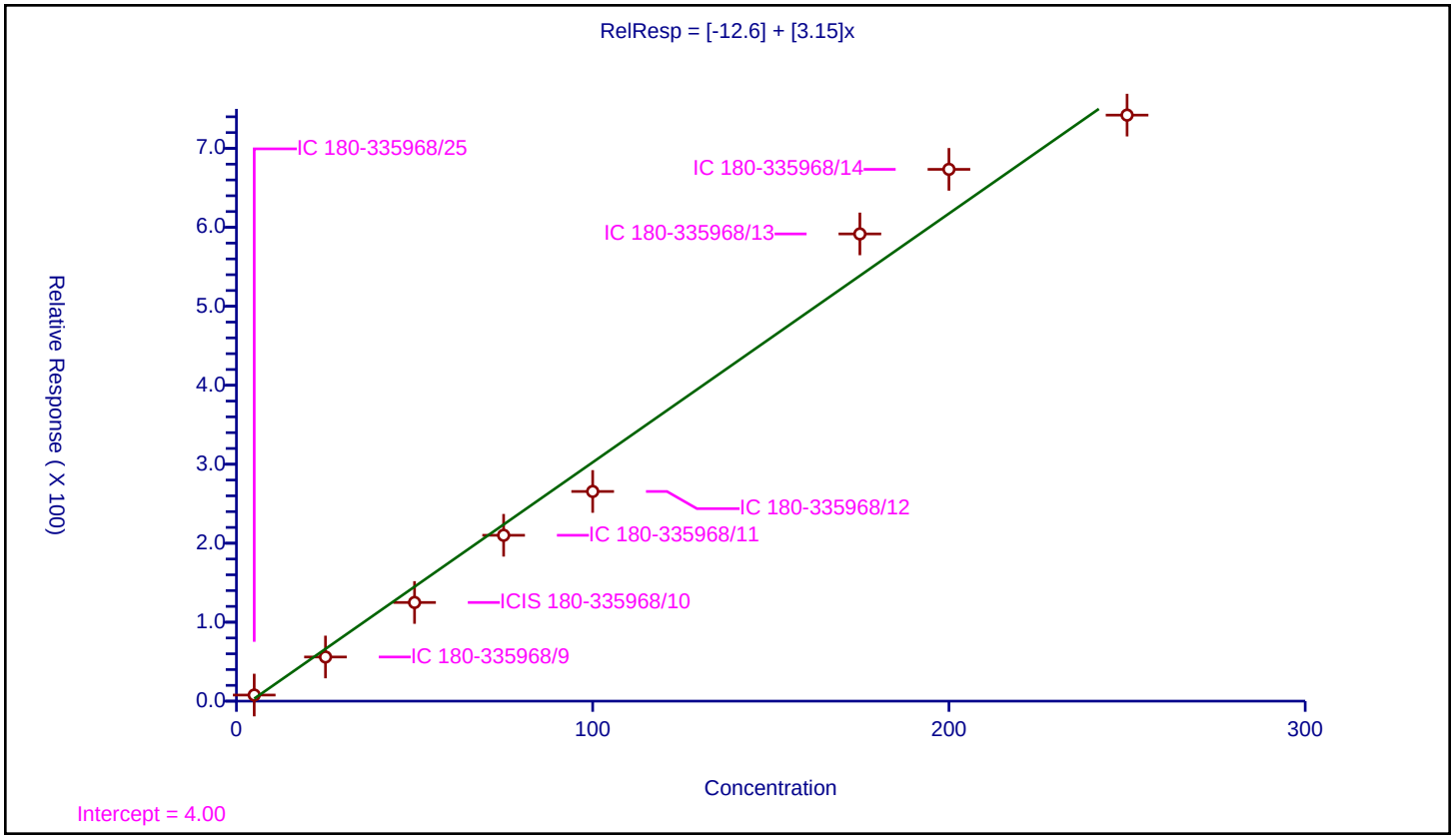
Curve Coefficients

Intercept:	-12.6
Slope:	3.15

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	15.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	7.69197	50.0	91017.0	1.538394	Y
2	IC 180-335968/9	25.0	55.911034	50.0	164692.0	2.236441	Y
3	ICIS 180-335968/10	50.0	124.941508	50.0	191051.0	2.49883	Y
4	IC 180-335968/11	75.0	210.056026	50.0	177595.0	2.800747	Y
5	IC 180-335968/12	100.0	265.527251	50.0	179317.0	2.655273	Y
6	IC 180-335968/13	175.0	591.671066	50.0	161023.0	3.380978	Y
7	IC 180-335968/14	200.0	673.45001	50.0	177614.0	3.36725	Y
8	IC 180-335968/15	250.0	742.14625	50.0	182728.0	2.968585	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

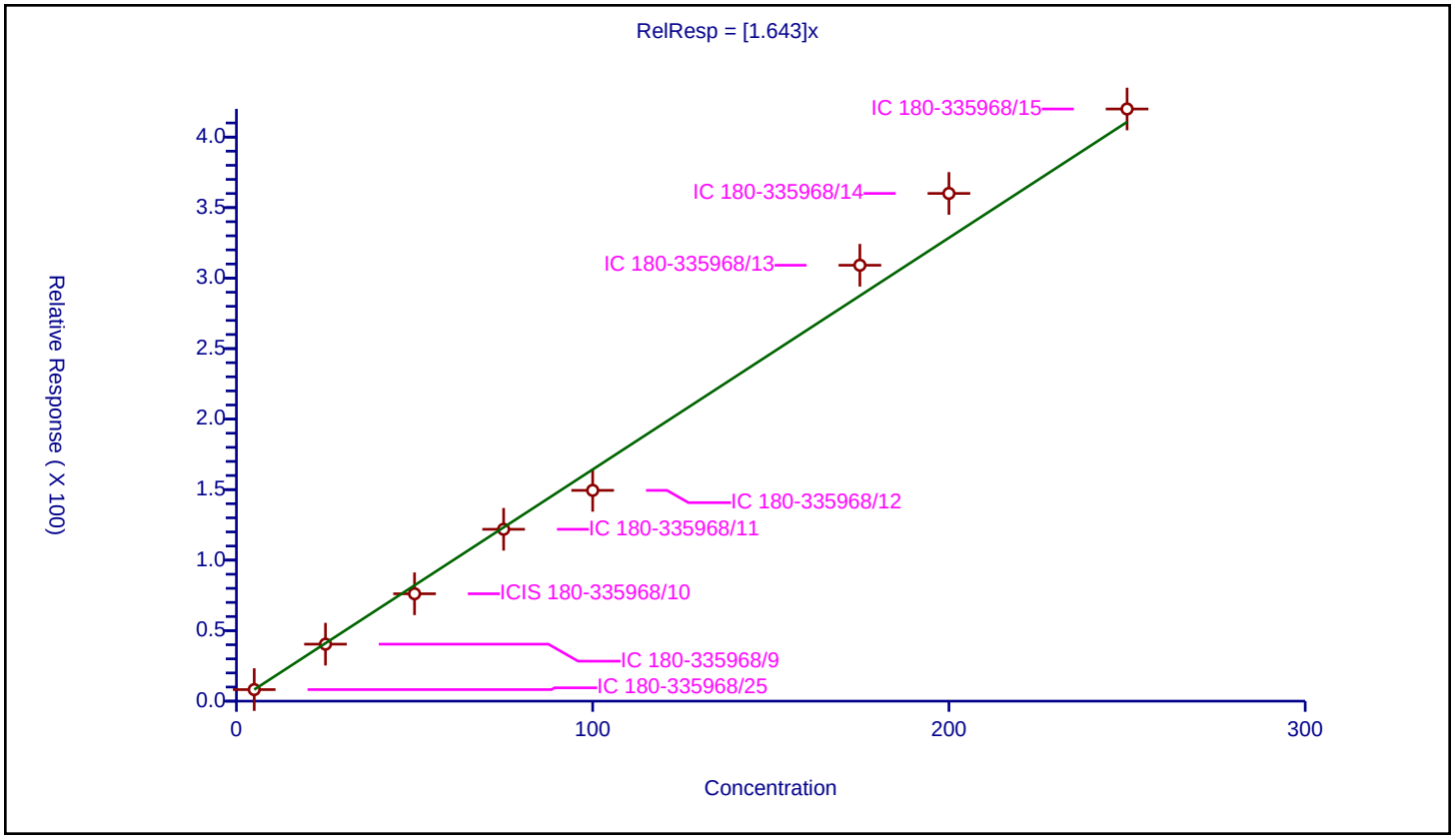
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	891000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.183636	50.0	91017.0	1.636727	Y
2	IC 180-335968/9	25.0	40.415139	50.0	164692.0	1.616606	Y
3	ICIS 180-335968/10	50.0	76.153488	50.0	191051.0	1.52307	Y
4	IC 180-335968/11	75.0	121.868296	50.0	177595.0	1.624911	Y
5	IC 180-335968/12	100.0	149.465472	50.0	179317.0	1.494655	Y
6	IC 180-335968/13	175.0	309.124473	50.0	161023.0	1.766426	Y
7	IC 180-335968/14	200.0	360.048194	50.0	177614.0	1.800241	Y
8	IC 180-335968/15	250.0	419.922781	50.0	182728.0	1.679691	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

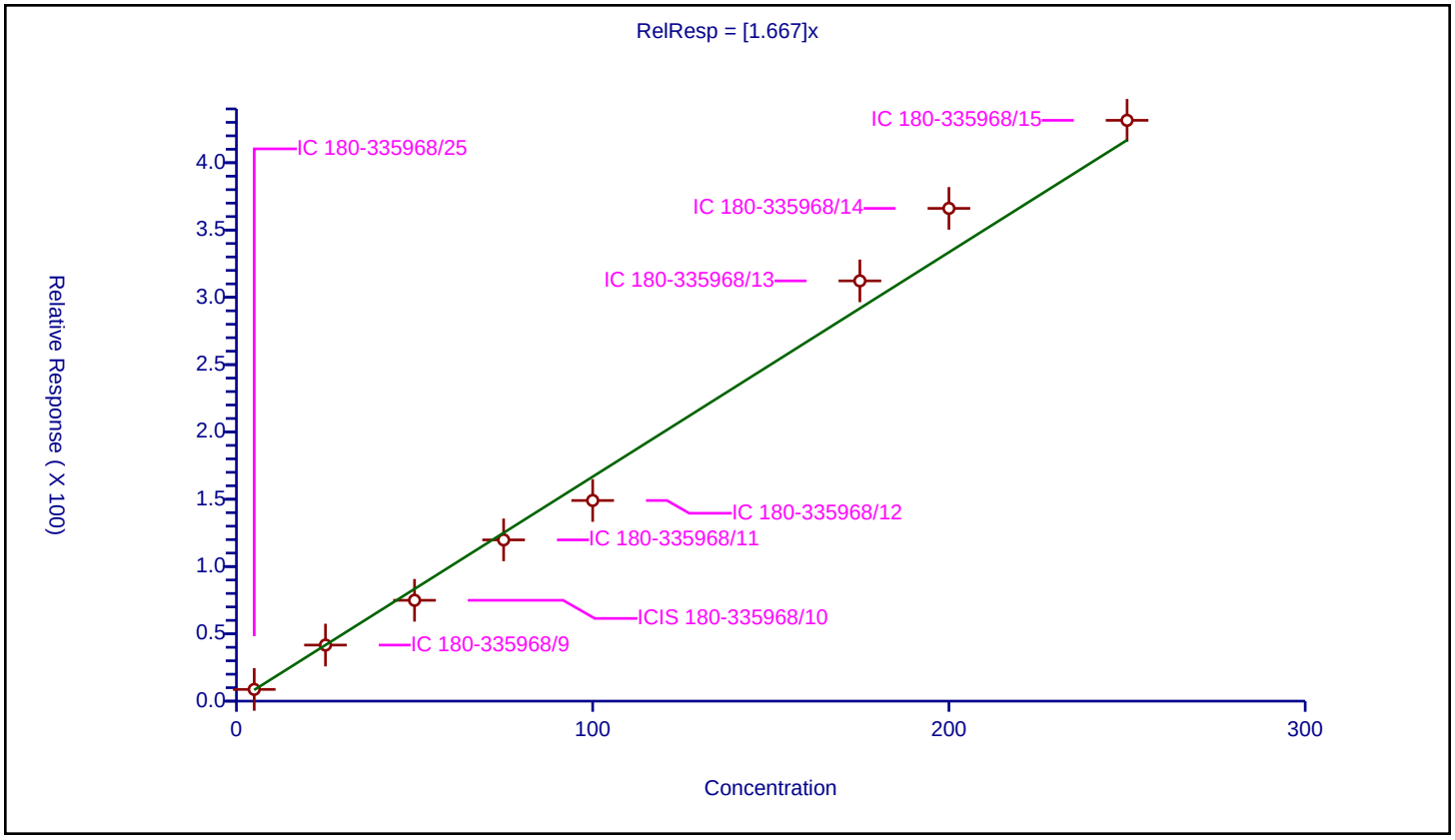
Curve Coefficients

Intercept:	0
Slope:	1.667

Error Coefficients

Standard Error:	907000
Relative Standard Error:	7.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	8.724744	50.0	91017.0	1.744949	Y
2	IC 180-335968/9	25.0	41.665351	50.0	164692.0	1.666614	Y
3	ICIS 180-335968/10	50.0	74.923973	50.0	191051.0	1.498479	Y
4	IC 180-335968/11	75.0	119.800952	50.0	177595.0	1.597346	Y
5	IC 180-335968/12	100.0	149.071198	50.0	179317.0	1.490712	Y
6	IC 180-335968/13	175.0	312.228067	50.0	161023.0	1.78416	Y
7	IC 180-335968/14	200.0	366.093607	50.0	177614.0	1.830468	Y
8	IC 180-335968/15	250.0	431.507487	50.0	182728.0	1.72603	Y



Calibration / n-Butylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

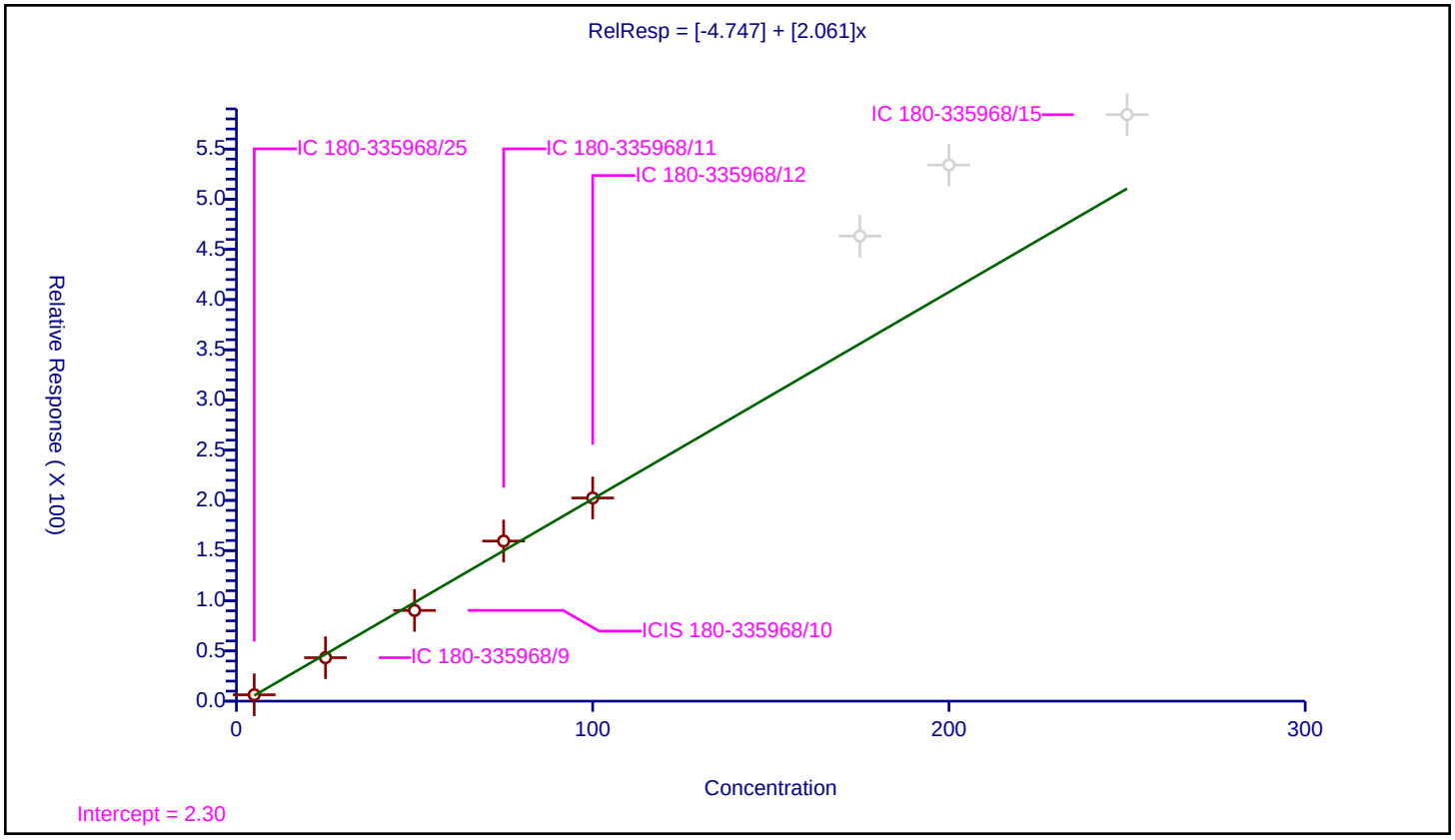
Curve Coefficients

Intercept:	-4.747
Slope:	2.061

Error Coefficients

Standard Error:	574000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.361449	50.0	91017.0	1.27229	Y
2	IC 180-335968/9	25.0	43.299007	50.0	164692.0	1.73196	Y
3	ICIS 180-335968/10	50.0	90.358857	50.0	191051.0	1.807177	Y
4	IC 180-335968/11	75.0	159.504209	50.0	177595.0	2.126723	Y
5	IC 180-335968/12	100.0	202.413324	50.0	179317.0	2.024133	Y
6	IC 180-335968/13	175.0	463.294685	50.0	161023.0	2.647398	N
7	IC 180-335968/14	200.0	534.108235	50.0	177614.0	2.670541	N
8	IC 180-335968/15	250.0	584.234764	50.0	182728.0	2.336939	N



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

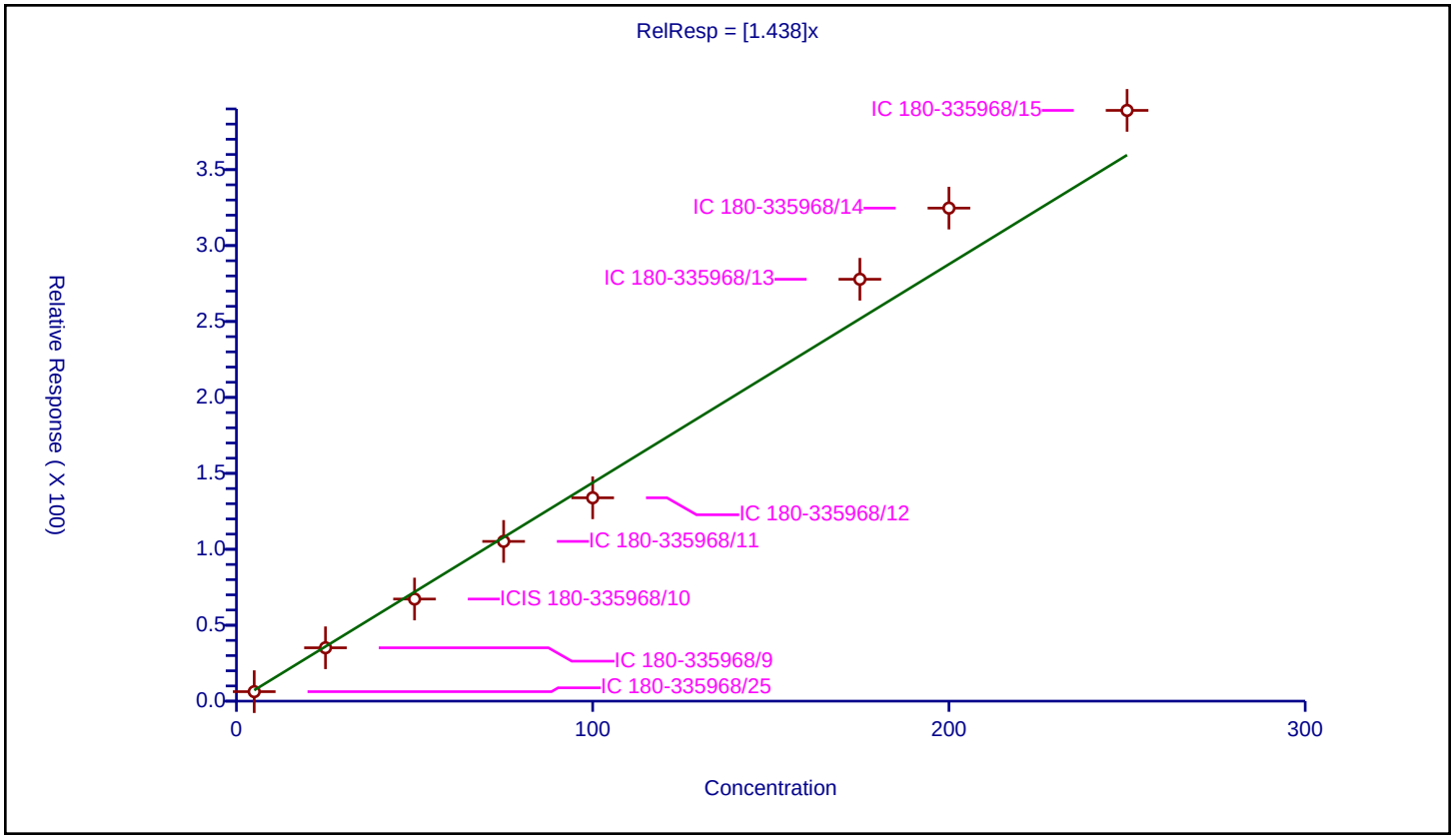
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Standard Error:	811000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	6.246086	50.0	91017.0	1.249217	Y
2	IC 180-335968/9	25.0	35.138622	50.0	164692.0	1.405545	Y
3	ICIS 180-335968/10	50.0	67.231786	50.0	191051.0	1.344636	Y
4	IC 180-335968/11	75.0	105.192714	50.0	177595.0	1.40257	Y
5	IC 180-335968/12	100.0	133.902809	50.0	179317.0	1.339028	Y
6	IC 180-335968/13	175.0	277.830186	50.0	161023.0	1.587601	Y
7	IC 180-335968/14	200.0	324.66613	50.0	177614.0	1.623331	Y
8	IC 180-335968/15	250.0	389.009074	50.0	182728.0	1.556036	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

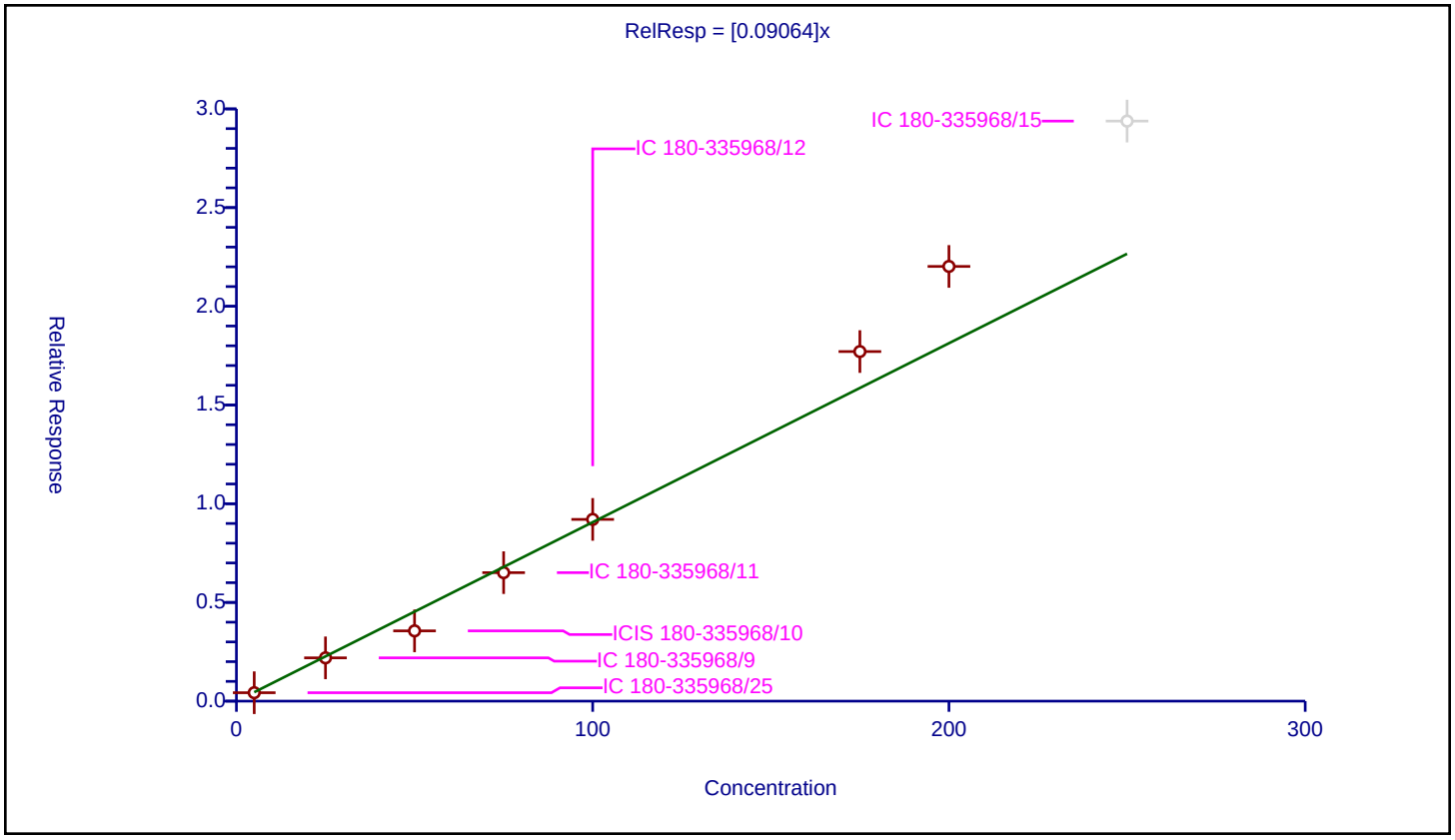
Curve Coefficients

Intercept:	0
Slope:	0.09064

Error Coefficients

Standard Error:	43300
Relative Standard Error:	13.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.427393	50.0	91017.0	0.085479	Y
2	IC 180-335968/9	25.0	2.192578	50.0	164692.0	0.087703	Y
3	ICIS 180-335968/10	50.0	3.559782	50.0	191051.0	0.071196	Y
4	IC 180-335968/11	75.0	6.508348	50.0	177595.0	0.086778	Y
5	IC 180-335968/12	100.0	9.205485	50.0	179317.0	0.092055	Y
6	IC 180-335968/13	175.0	17.707719	50.0	161023.0	0.101187	Y
7	IC 180-335968/14	200.0	22.019661	50.0	177614.0	0.110098	Y
8	IC 180-335968/15	250.0	29.38247	50.0	182728.0	0.11753	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

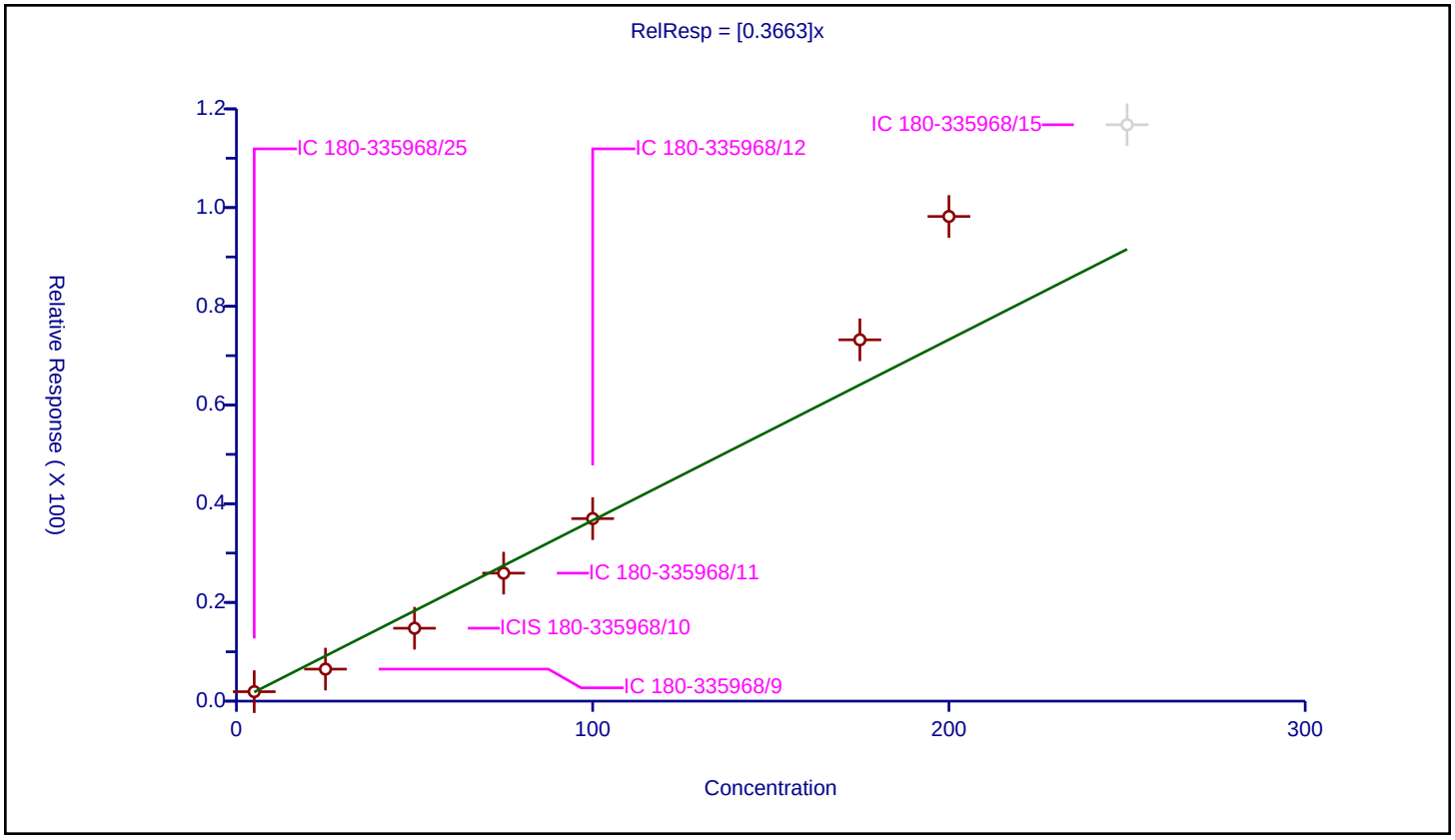
Curve Coefficients

Intercept:	0
Slope:	0.3663

Error Coefficients

Standard Error:	186000
Relative Standard Error:	21.0
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.918872	50.0	91017.0	0.383774	Y
2	IC 180-335968/9	25.0	6.489993	50.0	164692.0	0.2596	Y
3	ICIS 180-335968/10	50.0	14.772757	50.0	191051.0	0.295455	Y
4	IC 180-335968/11	75.0	25.933726	50.0	177595.0	0.345783	Y
5	IC 180-335968/12	100.0	36.985339	50.0	179317.0	0.369853	Y
6	IC 180-335968/13	175.0	73.214696	50.0	161023.0	0.41837	Y
7	IC 180-335968/14	200.0	98.204815	50.0	177614.0	0.491024	Y
8	IC 180-335968/15	250.0	116.791351	50.0	182728.0	0.467165	N



Calibration / Hexachlorobutadiene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

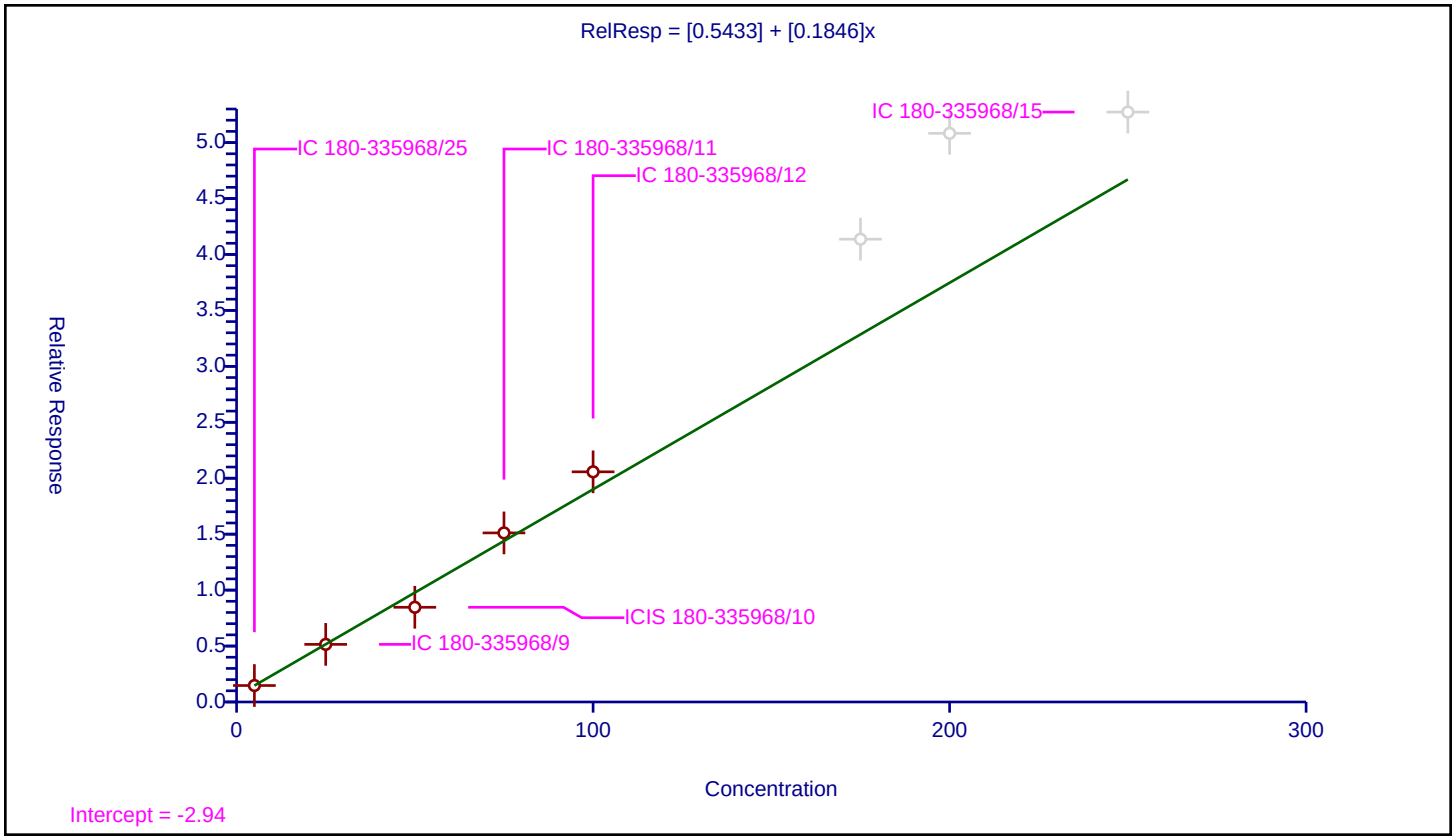
Curve Coefficients

Intercept:	0.5433
Slope:	0.1846

Error Coefficients

Standard Error:	56700
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.472802	50.0	91017.0	0.29456	Y
2	IC 180-335968/9	25.0	5.15022	50.0	164692.0	0.206009	Y
3	ICIS 180-335968/10	50.0	8.464232	50.0	191051.0	0.169285	Y
4	IC 180-335968/11	75.0	15.111912	50.0	177595.0	0.201492	Y
5	IC 180-335968/12	100.0	20.573621	50.0	179317.0	0.205736	Y
6	IC 180-335968/13	175.0	41.365519	50.0	161023.0	0.236374	N
7	IC 180-335968/14	200.0	50.827074	50.0	177614.0	0.254135	N
8	IC 180-335968/15	250.0	52.727004	50.0	182728.0	0.210908	N



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

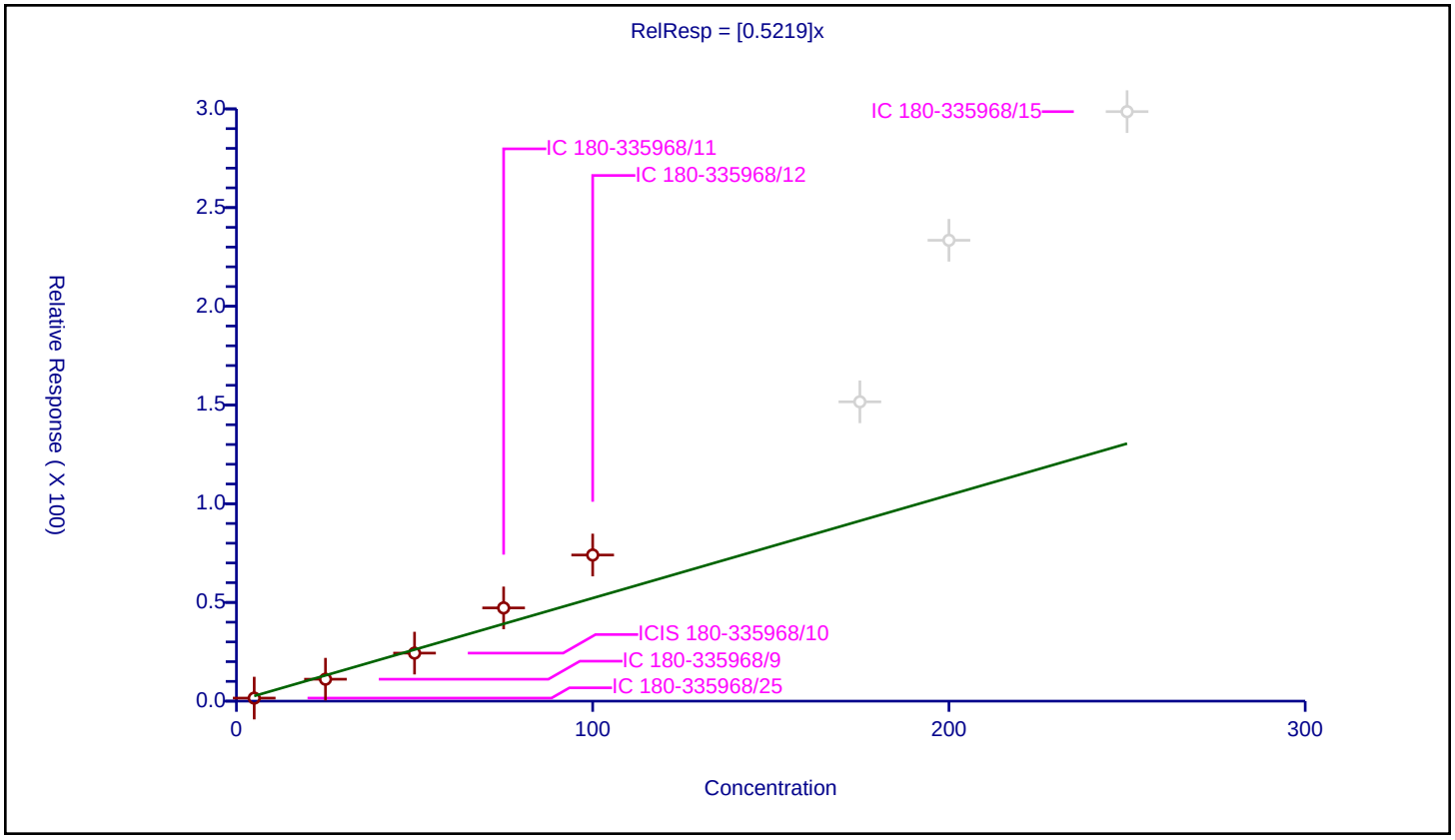
Curve Coefficients

Intercept:	0
Slope:	0.5219

Error Coefficients

Standard Error:	165000
Relative Standard Error:	32.1
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.908

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	1.543668	50.0	91017.0	0.308734	Y
2	IC 180-335968/9	25.0	11.105579	50.0	164692.0	0.444223	Y
3	ICIS 180-335968/10	50.0	24.324918	50.0	191051.0	0.486498	Y
4	IC 180-335968/11	75.0	47.222895	50.0	177595.0	0.629639	Y
5	IC 180-335968/12	100.0	74.023656	50.0	179317.0	0.740237	Y
6	IC 180-335968/13	175.0	151.617781	50.0	161023.0	0.866387	N
7	IC 180-335968/14	200.0	233.445843	50.0	177614.0	1.167229	N
8	IC 180-335968/15	250.0	298.615428	50.0	182728.0	1.194462	N



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

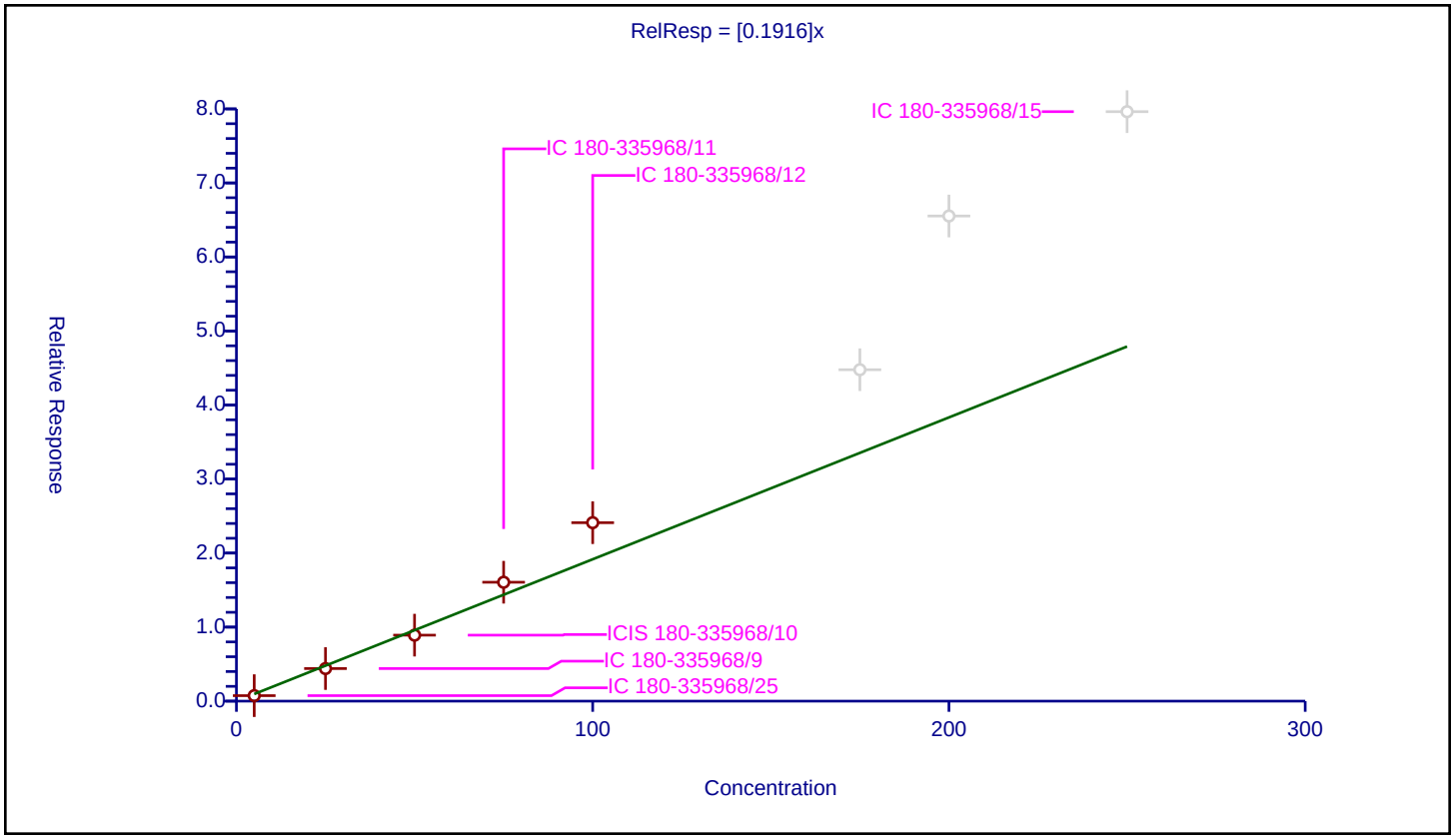
Curve Coefficients

Intercept:	0
Slope:	0.1916

Error Coefficients

Standard Error:	55000
Relative Standard Error:	18.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 180-335968/25	5.0	0.743268	50.0	91017.0	0.148654	Y
2	IC 180-335968/9	25.0	4.400032	50.0	164692.0	0.176001	Y
3	ICIS 180-335968/10	50.0	8.911757	50.0	191051.0	0.178235	Y
4	IC 180-335968/11	75.0	16.061263	50.0	177595.0	0.21415	Y
5	IC 180-335968/12	100.0	24.107028	50.0	179317.0	0.24107	Y
6	IC 180-335968/13	175.0	44.767207	50.0	161023.0	0.255813	N
7	IC 180-335968/14	200.0	65.530307	50.0	177614.0	0.327652	N
8	IC 180-335968/15	250.0	79.625181	50.0	182728.0	0.318501	N



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.3473		10.0	10.0	100	65-135
Chloromethane	Ave	0.4085	0.4200	0.1000	10.3	10.0	103	65-135
Vinyl chloride	Ave	0.3407	0.3209		9.42	10.0	94	65-135
Bromomethane	Lin		0.1991		10.3	10.0	103	65-135
Chloroethane	Ave	0.2319	0.2285		9.85	10.0	99	65-135
Dichlorofluoromethane	Ave	0.5408	0.5552		10.3	10.0	103	65-135
Trichlorofluoromethane	Ave	0.4682	0.4782		10.2	10.0	102	65-135
Ethyl ether	Ave	0.2455	0.2327		9.48	10.0	95	65-135
1,1-Dichloroethene	Ave	0.2213	0.2239		10.1	10.0	101	65-135
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.2576		10.0	10.0	100	65-135
Acetone	Ave	0.1055	0.1037		19.6	20.0	98	65-135
Iodomethane	Ave	0.3266	0.3306		10.1	10.0	101	65-135
Carbon disulfide	Ave	0.6703	0.6531		9.74	10.0	97	65-135
Methyl acetate	Ave	0.2225	0.2079		18.7	20.0	93	65-135
3-Chloro-1-propene	Ave	0.1397	0.1337		9.57	10.0	96	65-135
Methylene Chloride	Lin1		0.2908		9.34	10.0	93	65-135
2-Methyl-2-propanol	Ave	1.170	1.192		102	100	102	65-135
Acrylonitrile	Ave	0.1194	0.1097		91.9	100	92	65-135
Methyl tert-butyl ether	Ave	0.6047	0.6468		10.7	10.0	107	65-135
trans-1,2-Dichloroethene	Ave	0.2851	0.2816		9.88	10.0	99	65-135
Hexane	Ave	0.4360	0.3998		9.17	10.0	92	65-135
1,1-Dichloroethane	Ave	0.5400	0.5412	0.1000	10.0	10.0	100	65-135
2-Butanone (MEK)	Lin		0.1270		19.0	20.0	95	65-135
cis-1,2-Dichloroethene	Ave	0.3026	0.2962		9.79	10.0	98	65-135
2,2-Dichloropropane	Ave	0.0714	0.0702		9.82	10.0	98	65-135
Chlorobromomethane	Ave	0.1346	0.1304		9.69	10.0	97	65-135
Tetrahydrofuran	Ave	0.0732	0.0758		20.7	20.0	104	65-135
Chloroform	Ave	0.4974	0.4934		9.92	10.0	99	65-135
1,1,1-Trichloroethane	Ave	0.4241	0.4213		9.93	10.0	99	65-135
Cyclohexane	Ave	0.5222	0.5417		10.4	10.0	104	65-135
1,1-Dichloropropene	Ave	0.3739	0.3783		10.1	10.0	101	65-135
Carbon tetrachloride	Ave	0.3412	0.3460		10.1	10.0	101	65-135
Isobutyl alcohol	Ave	0.0091	0.0089		246	250	98	65-135
Benzene	Ave	1.159	1.170		10.1	10.0	101	65-135
1,2-Dichloroethane	Ave	0.4295	0.4317		10.1	10.0	101	65-135
Trichloroethene	Ave	0.2764	0.2701		9.77	10.0	98	65-135
Methylcyclohexane	Lin1		0.4042		9.49	10.0	95	65-135
1,2-Dichloropropane	Ave	0.3079	0.3031		9.85	10.0	98	65-135
1,4-Dioxane	Lin		0.0028		218	200	109	65-135
Dibromomethane	Ave	0.1471	0.1382		9.40	10.0	94	65-135

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.3218		10.0	10.0	100	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3379		10.7	10.0	107	65-135
4-Methyl-2-pentanone (MIBK)	Lin2		1.127		19.5	20.0	98	65-135
Toluene	Ave	5.610	6.348		11.3	10.0	113	65-135
Ethyl methacrylate	Qua		1.127		11.0	10.0	110	65-135
trans-1,3-Dichloropropene	Ave	1.484	1.664		11.2	10.0	112	65-135
1,1,2-Trichloroethane	Ave	1.085	1.173		10.8	10.0	108	65-135
Tetrachloroethene	Ave	1.068	1.196		11.2	10.0	112	65-135
2-Hexanone	Lin2		0.7621		19.9	20.0	100	65-135
1,3-Dichloropropane	Ave	1.996	2.168		10.9	10.0	109	65-135
Chlorodibromomethane	Ave	0.9234	0.9603		10.4	10.0	104	65-135
Ethylene Dibromide	Ave	0.9882	1.036		10.5	10.0	105	65-135
Chlorobenzene	Ave	3.359	3.620	0.3000	10.8	10.0	108	65-135
Ethylbenzene	Lin1		1.988		10.7	10.0	107	65-135
1,1,1,2-Tetrachloroethane	Ave	1.088	1.147		10.5	10.0	105	65-135
m-Xylene & p-Xylene	Lin1		2.440		10.2	10.0	102	65-135
o-Xylene	Lin		2.262		10.8	10.0	108	65-135
Styrene	Lin1		3.379		9.71	10.0	97	65-135
Bromoform	Ave	0.4232	0.4667	0.1000	11.0	10.0	110	65-135
Isopropylbenzene	Lin2		5.835		10.1	10.0	101	65-135
1,1,2,2-Tetrachloroethane	Ave	1.169	1.209	0.3000	10.3	10.0	103	65-135
trans-1,4-Dichloro-2-butene	Lin1		0.1912		9.06	10.0	91	65-135
1,2,3-Trichloropropane	Ave	0.3221	0.2905		9.02	10.0	90	65-135
Bromobenzene	Ave	0.9030	0.8891		9.85	10.0	98	65-135
N-Propylbenzene	Lin2		1.042		10.4	10.0	104	65-135
2-Chlorotoluene	Ave	0.8817	0.8816		10.0	10.0	100	65-135
1,3,5-Trimethylbenzene	Lin2		3.073		9.59	10.0	96	65-135
4-Chlorotoluene	Ave	0.9038	0.8827		9.77	10.0	98	65-135
tert-Butylbenzene	Lin2		2.622		9.92	10.0	99	65-135
1,2,4-Trimethylbenzene	Lin2		2.992		9.51	10.0	95	65-135
sec-Butylbenzene	Lin2		3.362		10.2	10.0	102	65-135
4-Isopropyltoluene	Lin1		2.580		8.99	10.0	90	65-135
1,3-Dichlorobenzene	Ave	1.643	1.627		9.90	10.0	99	65-135
1,4-Dichlorobenzene	Ave	1.667	1.627		9.76	10.0	98	65-135
n-Butylbenzene	Lin1		1.917		9.76	10.0	98	65-135
1,2-Dichlorobenzene	Ave	1.438	1.451		10.1	10.0	101	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0993		11.0	10.0	110	65-135
1,2,4-Trichlorobenzene	Ave	0.3663	0.3602		9.83	10.0	98	65-135
Hexachlorobutadiene	Lin2		0.2231		11.5	10.0	115	65-135
Naphthalene	Ave	0.5219	0.6423		12.3	10.0	123	65-135
1,2,3-Trichlorobenzene	Ave	0.1916	0.2263		11.8	10.0	118	65-135

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICV 180-335968/29 Calibration Date: 11/05/2020 20:31

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 6110529.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dibromofluoromethane (Surr)	Ave	0.2118	0.2137		10.1	10.0	101	65-135
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3062		9.30	10.0	93	65-135
Toluene-d8 (Surr)	Ave	4.481	4.677		10.4	10.0	104	65-135
4-Bromofluorobenzene (Surr)	Ave	1.487	1.501		10.1	10.0	101	65-135

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110529.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-Nov-2020 20:31:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-029
Operator ID: 034635 Instrument ID: CHHP6
Sublist:

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624 ICAL
Last Update: 06-Nov-2020 09:11:15 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: journetp Date: 06-Nov-2020 09:09:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.314	7.319	-0.005	90	198883	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.174	10.172	0.002	98	588302	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.246	13.244	0.002	89	111019	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.637	15.629	0.008	97	164197	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.456	9.460	-0.004	93	125748	50.0	50.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.833	9.831	0.002	88	180111	50.0	46.5	
$ 7 Toluene-d8 (Surr)	98	11.768	11.772	-0.004	94	519227	50.0	52.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.420	14.418	0.002	0	166683	50.0	50.5	
11 Dichlorodifluoromethane	85	3.415	3.419	-0.004	87	204322	50.0	50.1	
12 Chloromethane	50	3.853	3.857	-0.004	99	247086	50.0	51.4	
13 Vinyl chloride	62	4.133	4.137	-0.004	98	188789	50.0	47.1	
14 Butadiene	39	4.200	4.198	0.002	91	220610	50.0	47.2	
15 Bromomethane	94	4.857	4.837	0.020	91	117113	50.0	51.6	
16 Chloroethane	64	5.112	5.105	0.007	99	134423	50.0	49.3	
17 Dichlorofluoromethane	67	5.562	5.567	-0.005	97	326608	50.0	51.3	
18 Trichlorofluoromethane	101	5.593	5.597	-0.004	86	281302	50.0	51.1	
20 Ethyl ether	59	6.110	6.120	-0.010	95	136877	50.0	47.4	
22 1,1-Dichloroethene	96	6.511	6.504	0.007	93	131716	50.0	50.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.560	6.558	0.002	94	151568	50.0	50.1	
24 Acetone	43	6.590	6.595	-0.005	98	121975	100.0	98.2	
25 Iodomethane	142	6.736	6.741	-0.005	98	194477	50.0	50.6	
26 Carbon disulfide	76	6.858	6.857	0.001	100	384202	50.0	48.7	
30 Methyl acetate	43	7.071	7.069	0.002	98	244619	100.0	93.5	
29 3-Chloro-1-propene	76	7.095	7.082	0.013	89	78633	50.0	47.9	
31 Methylene Chloride	84	7.272	7.276	-0.004	98	171056	50.0	46.7	
32 2-Methyl-2-propanol	59	7.430	7.434	-0.004	92	118504	500.0	509.4	
33 Acrylonitrile	53	7.613	7.617	-0.005	99	645396	500.0	459.5	
35 Methyl tert-butyl ether	73	7.649	7.641	0.008	98	380498	50.0	53.5	
34 trans-1,2-Dichloroethene	96	7.655	7.660	-0.005	96	165688	50.0	49.4	
36 Hexane	57	8.014	8.012	0.002	94	235199	50.0	45.8	
37 1,1-Dichloroethane	63	8.233	8.231	0.002	97	318403	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
44 2-Butanone (MEK)	43	8.884	8.882	0.002	99	149469	100.0	95.0	
43 cis-1,2-Dichloroethene	96	8.920	8.919	0.001	87	174269	50.0	48.9	
42 2,2-Dichloropropane	97	8.927	8.925	0.002	75	41288	50.0	49.1	
48 Chlorobromomethane	128	9.188	9.180	0.008	93	76740	50.0	48.5	
49 Tetrahydrofuran	42	9.212	9.211	0.001	46	89150	100.0	103.5	
50 Chloroform	83	9.285	9.284	0.001	96	290269	50.0	49.6	
51 1,1,1-Trichloroethane	97	9.486	9.491	-0.005	97	247829	50.0	49.7	
52 Cyclohexane	56	9.571	9.570	0.001	94	318661	50.0	51.9	
54 1,1-Dichloropropene	75	9.644	9.649	-0.005	92	222572	50.0	50.6	
53 Carbon tetrachloride	117	9.663	9.661	0.002	96	203531	50.0	50.7	
55 Isobutyl alcohol	41	9.699	9.698	0.001	89	130944	1250.0	1227.7	
56 Benzene	78	9.876	9.880	-0.004	97	688313	50.0	50.5	
57 1,2-Dichloroethane	62	9.918	9.917	0.001	96	253990	50.0	50.3	
59 n-Heptane	43	10.119	10.117	0.002	93	180137	50.0	49.7	
61 Trichloroethene	130	10.539	10.543	-0.004	96	158885	50.0	48.8	
63 Methylcyclohexane	83	10.794	10.793	0.001	92	237804	50.0	47.5	
64 1,2-Dichloropropane	63	10.812	10.811	0.001	74	178342	50.0	49.2	
65 1,4-Dioxane	88	10.861	10.859	0.002	98	32562	1000.0	1092.1	
67 Dibromomethane	93	10.910	10.908	0.002	97	81294	50.0	47.0	
68 Dichlorobromomethane	83	11.068	11.060	0.008	98	189311	50.0	50.0	
71 cis-1,3-Dichloropropene	75	11.488	11.492	-0.004	91	198801	50.0	53.5	
72 4-Methyl-2-pentanone (MIBK)	43	11.603	11.602	0.001	98	250182	100.0	97.6	
73 Toluene	91	11.841	11.839	0.002	97	704762	50.0	56.6	
75 Ethyl methacrylate	69	12.035	12.034	0.001	70	125121	50.0	54.8	
74 trans-1,3-Dichloropropene	75	12.041	12.040	0.001	92	184783	50.0	56.1	
76 1,1,2-Trichloroethane	97	12.248	12.247	0.002	95	130239	50.0	54.0	
77 Tetrachloroethene	164	12.370	12.368	0.002	91	132740	50.0	56.0	
79 2-Hexanone	43	12.418	12.417	0.001	65	169205	100.0	99.7	
78 1,3-Dichloropropane	76	12.425	12.417	0.008	95	240638	50.0	54.3	
81 Chlorodibromomethane	129	12.656	12.654	0.002	91	106611	50.0	52.0	
82 Ethylene Dibromide	107	12.802	12.800	0.002	98	115041	50.0	52.4	
84 Chlorobenzene	112	13.276	13.275	0.001	94	401872	50.0	53.9	
87 Ethylbenzene	106	13.337	13.342	-0.005	99	220704	50.0	53.6	
86 1,1,1,2-Tetrachloroethane	131	13.343	13.342	0.001	92	127332	50.0	52.7	
88 m-Xylene & p-Xylene	106	13.459	13.463	-0.004	100	270850	50.0	50.8	
89 o-Xylene	106	13.860	13.865	-0.005	97	251079	50.0	53.9	
90 Styrene	104	13.878	13.877	0.001	95	375114	50.0	48.5	
91 Bromoform	173	14.104	14.102	0.002	95	51808	50.0	55.1	
93 Isopropylbenzene	105	14.219	14.218	0.001	96	647779	50.0	50.3	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.516	-0.011	96	134190	50.0	51.7	
97 trans-1,4-Dichloro-2-butene	53	14.548	14.546	0.002	63	31397	50.0	45.3	
98 1,2,3-Trichloropropane	110	14.602	14.595	0.007	59	47693	50.0	45.1	
95 Bromobenzene	156	14.602	14.601	0.001	91	145982	50.0	49.2	
99 N-Propylbenzene	120	14.639	14.637	0.002	98	171090	50.0	51.8	
100 2-Chlorotoluene	126	14.767	14.771	-0.004	96	144762	50.0	50.0	
102 1,3,5-Trimethylbenzene	105	14.803	14.802	0.001	93	504516	50.0	47.9	
103 4-Chlorotoluene	126	14.888	14.887	0.001	99	144939	50.0	48.8	
104 tert-Butylbenzene	119	15.144	15.148	-0.004	94	430585	50.0	49.6	
106 1,2,4-Trimethylbenzene	105	15.199	15.203	-0.004	98	491305	50.0	47.5	
108 sec-Butylbenzene	105	15.381	15.379	0.002	95	552050	50.0	50.9	
110 4-Isopropyltoluene	119	15.521	15.526	-0.005	97	423643	50.0	45.0	
109 1,3-Dichlorobenzene	146	15.558	15.556	0.002	95	267078	50.0	49.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
111 1,4-Dichlorobenzene	146	15.661	15.659	0.002	91	267186	50.0	48.8	
116 n-Butylbenzene	91	15.947	15.945	0.002	98	314779	50.0	48.8	
117 1,2-Dichlorobenzene	146	16.032	16.037	-0.004	96	238239	50.0	50.4	
118 1,2-Dibromo-3-Chloropropane	75	16.780	16.785	-0.005	68	16304	50.0	54.8	
122 1,2,4-Trichlorobenzene	180	17.589	17.582	0.007	93	59142	50.0	49.2	
123 Hexachlorobutadiene	225	17.693	17.697	-0.004	94	36626	50.0	57.5	
124 Naphthalene	128	17.875	17.880	-0.005	96	105458	50.0	61.5	
125 1,2,3-Trichlorobenzene	180	18.106	18.105	0.001	95	37155	50.0	59.0	
S 130 1,2-Dichloroethene, Total	96				0		100.0	98.3	
S 131 Xylenes, Total	106				0		100.0	104.7	
S 154 Total BTEX	1				0		250.0	265.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.6	

QC Flag Legend

Processing Flags

Reagents:

VOAKETONE2ND_00005	Amount Added:	2.00	Units: uL		
VOA8260VOA2ND_00427	Amount Added:	2.00	Units: uL		
VOA8260INT_00112	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00112	Amount Added:	2.00	Units: uL	Run Reagent	

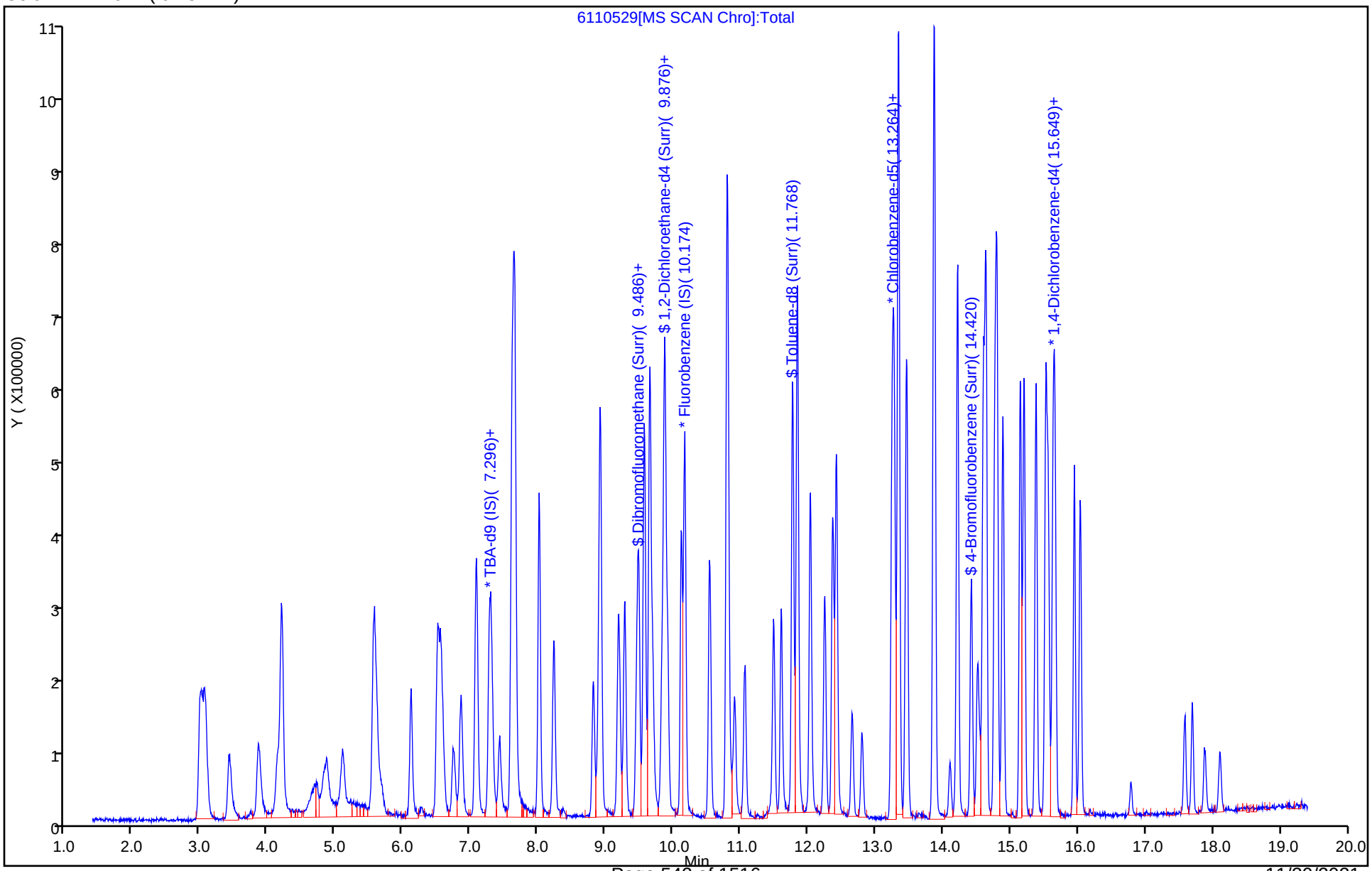
Report Date: 06-Nov-2020 09:11:30 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110529.D

Injection Date:	05-Nov-2020 20:31:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-379688/2 Calibration Date: 11/22/2021 12:50

Instrument ID: CHHP6 Calib Start Date: 04/13/2020 10:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/13/2020 13:43

Lab File ID: 61122002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Ave	0.1585	0.0783		9.88	20.0	49	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Nov-2021 12:50:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 24-Nov-2021 12:23:39 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: krisornc Date: 24-Nov-2021 12:23:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.311	7.311	0.000	88	625505	1000.0	1000.0	sM
* 2 Fluorobenzene (IS)	96	10.163	10.163	0.000	67	1098477	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.234	13.234	0.000	89	260074	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.630	15.630	0.000	30	314146	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.445	9.445	0.000	47	255338	50.0	54.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.822	9.822	0.000	95	384314	50.0	53.1	a
$ 7 Toluene-d8 (Surr)	98	11.768	11.768	0.000	44	1006569	50.0	43.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	37	361021	50.0	46.7	
11 Dichlorodifluoromethane	85	3.406	3.406	0.000	32	287888	50.0	37.8	
12 Chloromethane	50	3.814	3.814	0.000	31	428274	50.0	47.7	
13 Vinyl chloride	62	4.100	4.100	0.000	23	333045	50.0	44.5	
14 Butadiene	39	4.185	4.185	0.000	50	347684	50.0	38.5	
15 Bromomethane	94	4.829	4.829	0.000	41	182775	50.0	42.0	
16 Chloroethane	64	5.103	5.103	0.000	21	231476	50.0	45.4	
17 Dichlorofluoromethane	67	5.559	5.559	0.000	41	484864	50.0	40.8	
18 Trichlorofluoromethane	101	5.602	5.602	0.000	40	329314	50.0	32.0	
20 Ethyl ether	59	6.107	6.107	0.000	45	390906	50.0	72.5	
21 Acrolein	56	6.356	6.356	0.000	39	188834	150.0	202.8	
22 1,1-Dichloroethene	96	6.526	6.526	0.000	37	232602	50.0	47.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.550	6.550	0.000	36	239223	50.0	42.3	
24 Acetone	43	6.587	6.587	0.000	25	457343	150.0	197.2	
25 Iodomethane	142	6.775	6.775	0.000	35	368290	50.0	51.3	
26 Carbon disulfide	76	6.873	6.873	0.000	33	788694	50.0	53.6	
30 Methyl acetate	43	7.061	7.061	0.000	46	996969	100.0	204.0	
29 3-Chloro-1-propene	76	7.080	7.080	0.000	25	136931	50.0	44.6	
31 Methylene Chloride	84	7.298	7.298	0.000	42	375827	50.0	55.8	
32 2-Methyl-2-propanol	59	7.414	7.414	0.000	41	379304	500.0	518.4	
33 Acrylonitrile	53	7.603	7.603	0.000	43	2158807	500.0	823.1	
35 Methyl tert-butyl ether	73	7.639	7.639	0.000	48	906044	50.0	68.2	
34 trans-1,2-Dichloroethene	96	7.657	7.657	0.000	40	282395	50.0	45.1	
36 Hexane	57	8.004	8.004	0.000	17	531484	50.0	55.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.205	8.205	0.000	40	801073	50.0	97.3	
37 1,1-Dichloroethane	63	8.229	8.229	0.000	41	648328	50.0	54.6	
44 2-Butanone (MEK)	43	8.880	8.880	0.000	47	627718	150.0	208.9	
43 cis-1,2-Dichloroethene	96	8.904	8.904	0.000	45	336490	50.0	50.6	
42 2,2-Dichloropropane	97	8.916	8.916	0.000	46	48410	50.0	30.8	
48 Chlorobromomethane	128	9.184	9.184	0.000	25	168173	50.0	56.9	
49 Tetrahydrofuran	42	9.202	9.202	0.000	34	312015	100.0	194.1	
50 Chloroform	83	9.275	9.275	0.000	34	552422	50.0	50.5	
51 1,1,1-Trichloroethane	97	9.488	9.488	0.000	41	349765	50.0	37.5	
55 Isobutyl alcohol	41	9.688	9.688	0.000	91	389632	1250.0	1956.5	a
52 Cyclohexane	56	9.573	9.573	0.000	30	604928	50.0	52.7	
54 1,1-Dichloropropene	75	9.640	9.640	0.000	69	347292	50.0	42.3	
53 Carbon tetrachloride	117	9.658	9.658	0.000	27	282239	50.0	37.7	
56 Benzene	78	9.871	9.871	0.000	42	1299274	50.0	51.0	
57 1,2-Dichloroethane	62	9.913	9.913	0.000	31	566367	50.0	60.0	
59 n-Heptane	43	10.114	10.114	0.000	43	559649	50.0	82.7	
61 Trichloroethene	130	10.528	10.528	0.000	44	285407	50.0	47.0	
63 Methylcyclohexane	83	10.789	10.789	0.000	89	454468	50.0	48.6	a
64 1,2-Dichloropropane	63	10.807	10.807	0.000	77	383204	50.0	56.6	a
65 1,4-Dioxane	88	10.862	10.862	0.000	88	78055	1000.0	1525.1	a
67 Dibromomethane	93	10.905	10.905	0.000	37	191538	50.0	59.3	
68 Dichlorobromomethane	83	11.051	11.051	0.000	31	382127	50.0	54.1	
70 2-Chloroethyl vinyl ether	63	11.288	11.288	0.000	33	172103	100.0	49.4	
71 cis-1,3-Dichloropropene	75	11.482	11.482	0.000	36	465231	50.0	67.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.592	11.592	0.000	46	1089550	150.0	164.6	
73 Toluene	91	11.835	11.835	0.000	45	1304687	50.0	44.7	
75 Ethyl methacrylate	69	12.024	12.024	0.000	46	361275	50.0	65.1	
74 trans-1,3-Dichloropropene	75	12.030	12.030	0.000	36	421492	50.0	54.6	
76 1,1,2-Trichloroethane	97	12.236	12.236	0.000	95	310727	50.0	55.0	
77 Tetrachloroethene	164	12.358	12.358	0.000	43	225082	50.0	40.5	
78 1,3-Dichloropropane	76	12.413	12.413	0.000	89	551033	50.0	53.1	a
79 2-Hexanone	43	12.413	12.413	0.000	33	702904	150.0	161.4	
81 Chlorodibromomethane	129	12.644	12.644	0.000	35	251474	50.0	52.4	
82 Ethylene Dibromide	107	12.796	12.796	0.000	34	277646	50.0	54.0	
84 Chlorobenzene	112	13.270	13.270	0.000	22	793489	50.0	45.4	
87 Ethylbenzene	106	13.331	13.331	0.000	98	424574	50.0	44.4	a
86 1,1,1,2-Tetrachloroethane	131	13.337	13.337	0.000	40	286743	50.0	50.7	
88 m-Xylene & p-Xylene	106	13.459	13.459	0.000	99	515387	50.0	41.8	a
89 o-Xylene	106	13.860	13.860	0.000	33	507508	50.0	51.4	
90 Styrene	104	13.872	13.872	0.000	50	790918	50.0	44.1	
91 Bromoform	173	14.097	14.097	0.000	38	150225	50.0	68.3	
93 Isopropylbenzene	105	14.207	14.207	0.000	47	1156021	50.0	38.9	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.505	0.000	33	326892	50.0	53.8	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	66	98870	50.0	73.8	a
98 1,2,3-Trichloropropane	110	14.584	14.584	0.000	35	113540	50.0	56.1	
95 Bromobenzene	156	14.596	14.596	0.000	45	292100	50.0	51.5	
99 N-Propylbenzene	120	14.633	14.633	0.000	34	330543	50.0	52.3	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	282604	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.791	14.791	0.000	37	970891	50.0	48.2	
103 4-Chlorotoluene	126	14.882	14.882	0.000	39	286419	50.0	50.4	
104 tert-Butylbenzene	119	15.137	15.137	0.000	41	890610	50.0	53.4	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	38	960031	50.0	48.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1129100	50.0	54.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	890279	50.0	49.0	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	490853	50.0	47.6	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	483459	50.0	46.2	a
116 n-Butylbenzene	91	15.940	15.940	0.000	37	690321	50.0	55.6	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	416002	50.0	46.0	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	71	28697	50.0	50.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	88102	50.0	38.3	
123 Hexachlorobutadiene	225	17.685	17.685	0.000	97	79028	50.0	65.2	a
124 Naphthalene	128	17.874	17.874	0.000	20	135956	50.0	44.3	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	34	52355	50.0	43.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	95.7	
S 131 Xylenes, Total	106				0		100.0	93.2	
S 154 Total BTEX	1				0		250.0	233.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	121.7	

QC Flag Legend

Processing Flags
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL	
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL	
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL	
VOAVAPRI_00051	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL	
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

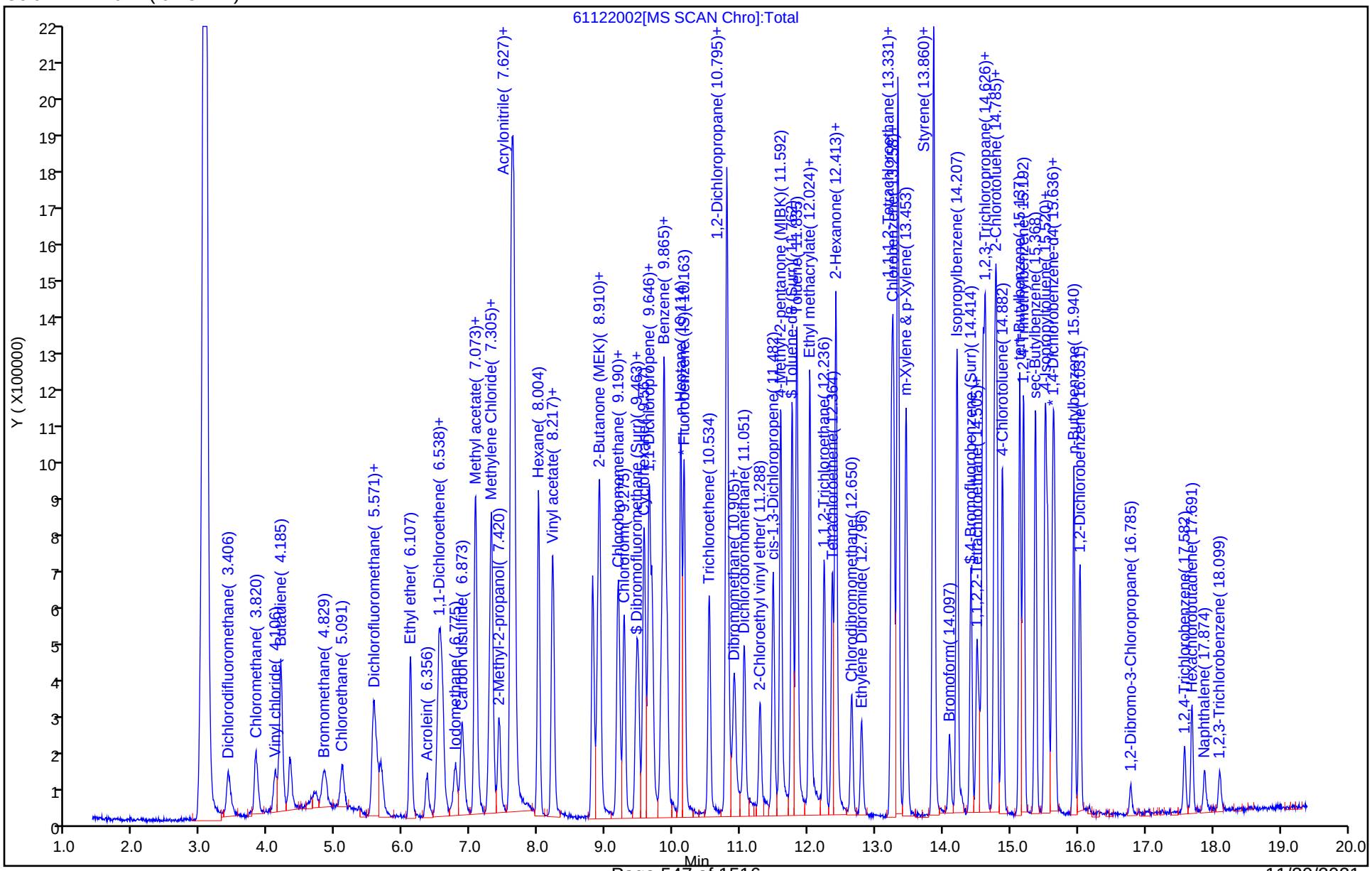
Report Date: 24-Nov-2021 12:23:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D

Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

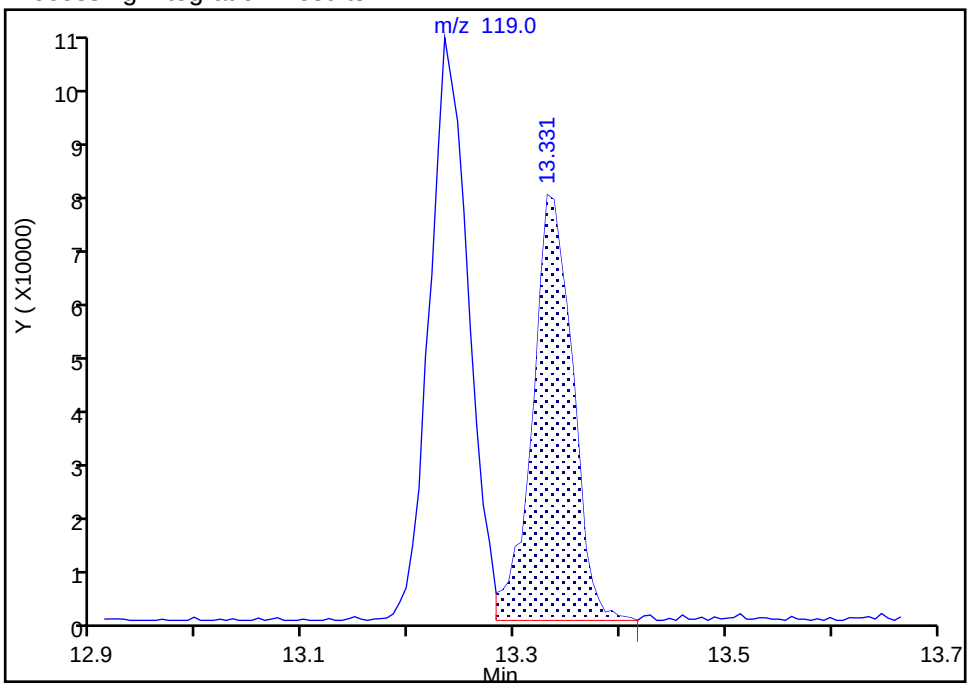
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

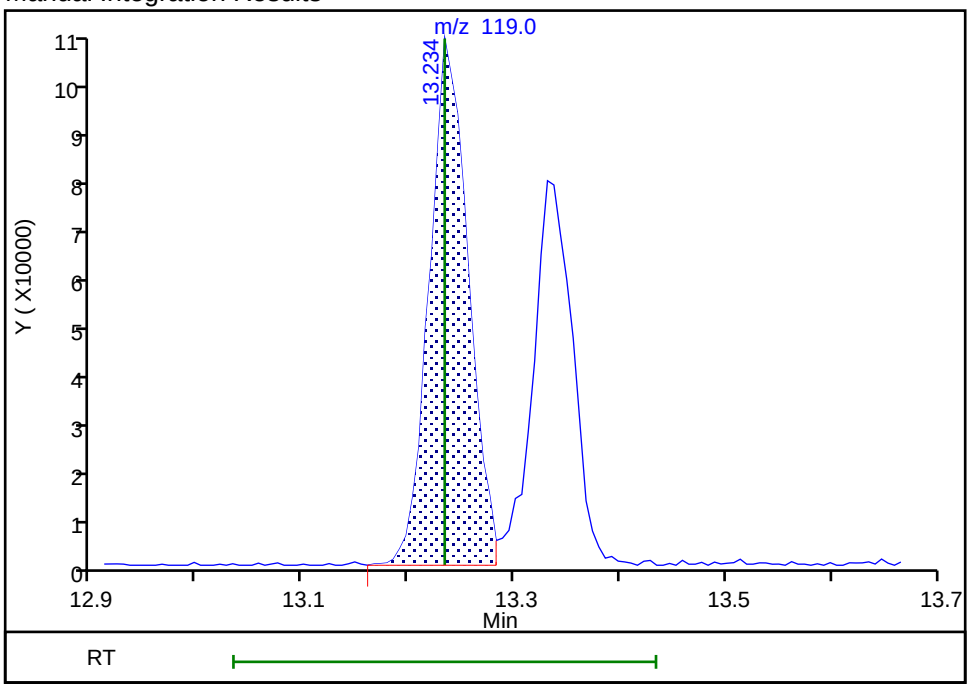
Processing Integration Results

RT: 13.33
Area: 195123
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.23
Area: 260074
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:15:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

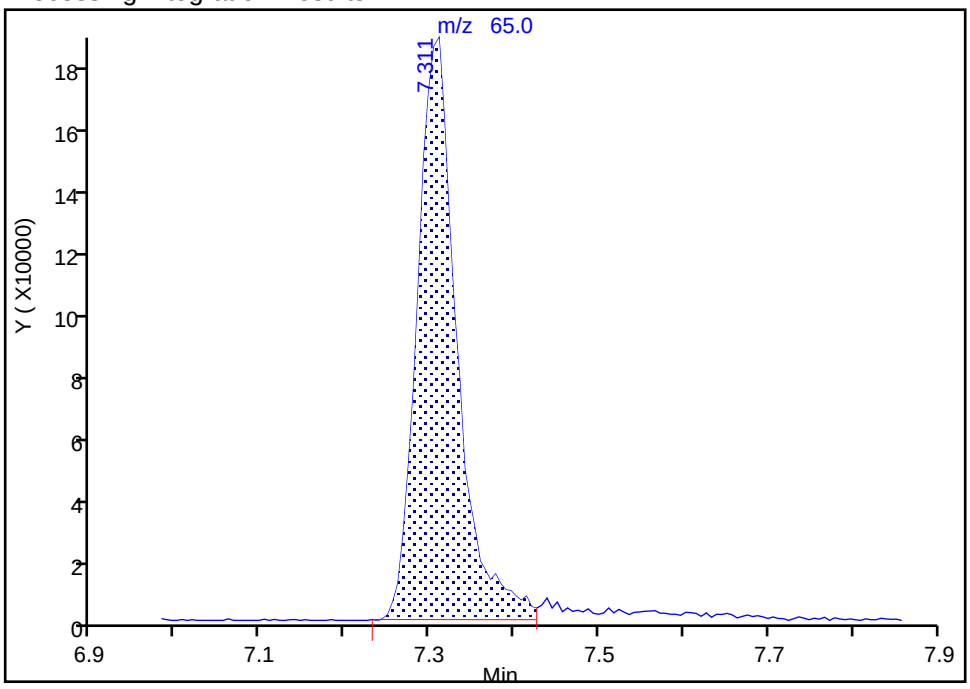
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

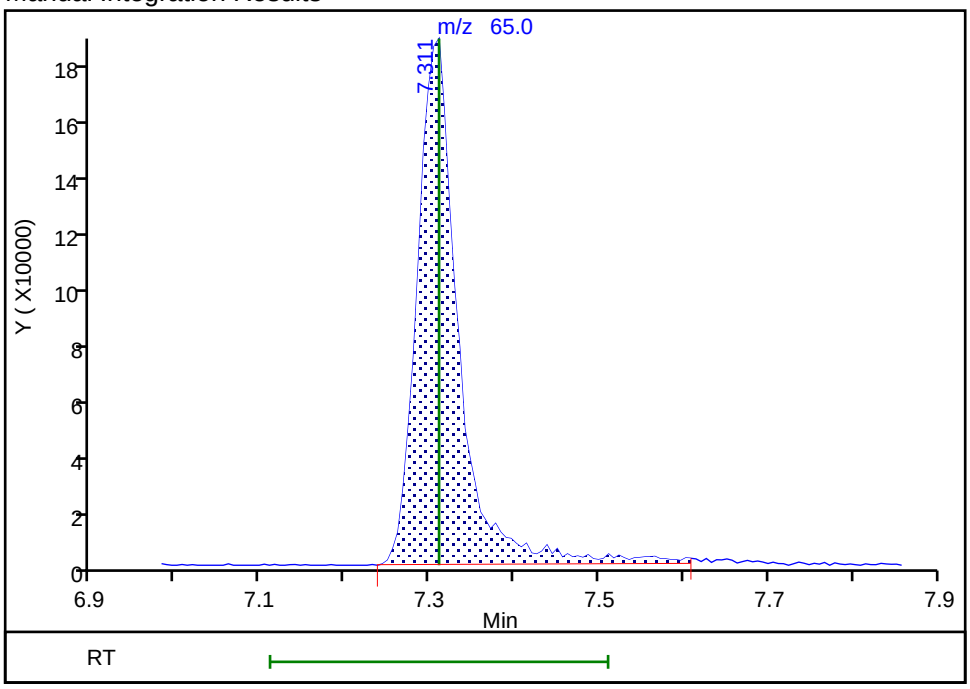
Processing Integration Results

RT: 7.31
Area: 599385
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 625505
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:22:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-379688/2 Calibration Date: 11/22/2021 12:50

Instrument ID: CHHP6 Calib Start Date: 07/16/2020 11:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/16/2020 17:59

Lab File ID: 61122002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0424	0.0573		40.6	30.0	135	60-140
Vinyl acetate	Ave	0.3746	0.7293		19.5	10.0	195*	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Nov-2021 12:50:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 24-Nov-2021 12:23:39 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: krisornc Date: 24-Nov-2021 12:23:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.311	7.311	0.000	88	625505	1000.0	1000.0	sM
* 2 Fluorobenzene (IS)	96	10.163	10.163	0.000	67	1098477	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.234	13.234	0.000	89	260074	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.630	15.630	0.000	30	314146	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.445	9.445	0.000	47	255338	50.0	54.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.822	9.822	0.000	95	384314	50.0	53.1	a
$ 7 Toluene-d8 (Surr)	98	11.768	11.768	0.000	44	1006569	50.0	43.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	37	361021	50.0	46.7	
11 Dichlorodifluoromethane	85	3.406	3.406	0.000	32	287888	50.0	37.8	
12 Chloromethane	50	3.814	3.814	0.000	31	428274	50.0	47.7	
13 Vinyl chloride	62	4.100	4.100	0.000	23	333045	50.0	44.5	
14 Butadiene	39	4.185	4.185	0.000	50	347684	50.0	38.5	
15 Bromomethane	94	4.829	4.829	0.000	41	182775	50.0	42.0	
16 Chloroethane	64	5.103	5.103	0.000	21	231476	50.0	45.4	
17 Dichlorofluoromethane	67	5.559	5.559	0.000	41	484864	50.0	40.8	
18 Trichlorofluoromethane	101	5.602	5.602	0.000	40	329314	50.0	32.0	
20 Ethyl ether	59	6.107	6.107	0.000	45	390906	50.0	72.5	
21 Acrolein	56	6.356	6.356	0.000	39	188834	150.0	202.8	
22 1,1-Dichloroethene	96	6.526	6.526	0.000	37	232602	50.0	47.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.550	6.550	0.000	36	239223	50.0	42.3	
24 Acetone	43	6.587	6.587	0.000	25	457343	150.0	197.2	
25 Iodomethane	142	6.775	6.775	0.000	35	368290	50.0	51.3	
26 Carbon disulfide	76	6.873	6.873	0.000	33	788694	50.0	53.6	
30 Methyl acetate	43	7.061	7.061	0.000	46	996969	100.0	204.0	
29 3-Chloro-1-propene	76	7.080	7.080	0.000	25	136931	50.0	44.6	
31 Methylene Chloride	84	7.298	7.298	0.000	42	375827	50.0	55.8	
32 2-Methyl-2-propanol	59	7.414	7.414	0.000	41	379304	500.0	518.4	
33 Acrylonitrile	53	7.603	7.603	0.000	43	2158807	500.0	823.1	
35 Methyl tert-butyl ether	73	7.639	7.639	0.000	48	906044	50.0	68.2	
34 trans-1,2-Dichloroethene	96	7.657	7.657	0.000	40	282395	50.0	45.1	
36 Hexane	57	8.004	8.004	0.000	17	531484	50.0	55.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.205	8.205	0.000	40	801073	50.0	97.3	
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44 2-Butanone (MEK)	43	8.880	8.880	0.000	47	627718	150.0	208.9	
43 cis-1,2-Dichloroethene	96	8.904	8.904	0.000	45	336490	50.0	50.6	
42 2,2-Dichloropropane	97	8.916	8.916	0.000	46	48410	50.0	30.8	
48 Chlorobromomethane	128	9.184	9.184	0.000	25	168173	50.0	56.9	
49 Tetrahydrofuran	42	9.202	9.202	0.000	34	312015	100.0	194.1	
50 Chloroform	83	9.275	9.275	0.000	34	552422	50.0	50.5	
51 1,1,1-Trichloroethane	97	9.488	9.488	0.000	41	349765	50.0	37.5	
55 Isobutyl alcohol	41	9.688	9.688	0.000	91	389632	1250.0	1956.5	a
52 Cyclohexane	56	9.573	9.573	0.000	30	604928	50.0	52.7	
54 1,1-Dichloropropene	75	9.640	9.640	0.000	69	347292	50.0	42.3	
53 Carbon tetrachloride	117	9.658	9.658	0.000	27	282239	50.0	37.7	
56 Benzene	78	9.871	9.871	0.000	42	1299274	50.0	51.0	
57 1,2-Dichloroethane	62	9.913	9.913	0.000	31	566367	50.0	60.0	
59 n-Heptane	43	10.114	10.114	0.000	43	559649	50.0	82.7	
61 Trichloroethene	130	10.528	10.528	0.000	44	285407	50.0	47.0	
63 Methylcyclohexane	83	10.789	10.789	0.000	89	454468	50.0	48.6	a
64 1,2-Dichloropropane	63	10.807	10.807	0.000	77	383204	50.0	56.6	a
65 1,4-Dioxane	88	10.862	10.862	0.000	88	78055	1000.0	1525.1	a
67 Dibromomethane	93	10.905	10.905	0.000	37	191538	50.0	59.3	
68 Dichlorobromomethane	83	11.051	11.051	0.000	31	382127	50.0	54.1	
70 2-Chloroethyl vinyl ether	63	11.288	11.288	0.000	33	172103	100.0	49.4	
71 cis-1,3-Dichloropropene	75	11.482	11.482	0.000	36	465231	50.0	67.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.592	11.592	0.000	46	1089550	150.0	164.6	
73 Toluene	91	11.835	11.835	0.000	45	1304687	50.0	44.7	
75 Ethyl methacrylate	69	12.024	12.024	0.000	46	361275	50.0	65.1	
74 trans-1,3-Dichloropropene	75	12.030	12.030	0.000	36	421492	50.0	54.6	
76 1,1,2-Trichloroethane	97	12.236	12.236	0.000	95	310727	50.0	55.0	
77 Tetrachloroethene	164	12.358	12.358	0.000	43	225082	50.0	40.5	
78 1,3-Dichloropropane	76	12.413	12.413	0.000	89	551033	50.0	53.1	a
79 2-Hexanone	43	12.413	12.413	0.000	33	702904	150.0	161.4	
81 Chlorodibromomethane	129	12.644	12.644	0.000	35	251474	50.0	52.4	
82 Ethylene Dibromide	107	12.796	12.796	0.000	34	277646	50.0	54.0	
84 Chlorobenzene	112	13.270	13.270	0.000	22	793489	50.0	45.4	
87 Ethylbenzene	106	13.331	13.331	0.000	98	424574	50.0	44.4	a
86 1,1,1,2-Tetrachloroethane	131	13.337	13.337	0.000	40	286743	50.0	50.7	
88 m-Xylene & p-Xylene	106	13.459	13.459	0.000	99	515387	50.0	41.8	a
89 o-Xylene	106	13.860	13.860	0.000	33	507508	50.0	51.4	
90 Styrene	104	13.872	13.872	0.000	50	790918	50.0	44.1	
91 Bromoform	173	14.097	14.097	0.000	38	150225	50.0	68.3	
93 Isopropylbenzene	105	14.207	14.207	0.000	47	1156021	50.0	38.9	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.505	0.000	33	326892	50.0	53.8	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	66	98870	50.0	73.8	a
98 1,2,3-Trichloropropane	110	14.584	14.584	0.000	35	113540	50.0	56.1	
95 Bromobenzene	156	14.596	14.596	0.000	45	292100	50.0	51.5	
99 N-Propylbenzene	120	14.633	14.633	0.000	34	330543	50.0	52.3	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	282604	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.791	14.791	0.000	37	970891	50.0	48.2	
103 4-Chlorotoluene	126	14.882	14.882	0.000	39	286419	50.0	50.4	
104 tert-Butylbenzene	119	15.137	15.137	0.000	41	890610	50.0	53.4	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	38	960031	50.0	48.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1129100	50.0	54.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	890279	50.0	49.0	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	490853	50.0	47.6	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	483459	50.0	46.2	a
116 n-Butylbenzene	91	15.940	15.940	0.000	37	690321	50.0	55.6	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	416002	50.0	46.0	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	71	28697	50.0	50.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	88102	50.0	38.3	
123 Hexachlorobutadiene	225	17.685	17.685	0.000	97	79028	50.0	65.2	a
124 Naphthalene	128	17.874	17.874	0.000	20	135956	50.0	44.3	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	34	52355	50.0	43.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	95.7	
S 131 Xylenes, Total	106				0		100.0	93.2	
S 154 Total BTEX	1				0		250.0	233.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	121.7	

QC Flag Legend

Processing Flags
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL	
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL	
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL	
VOAVAPRI_00051	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL	
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

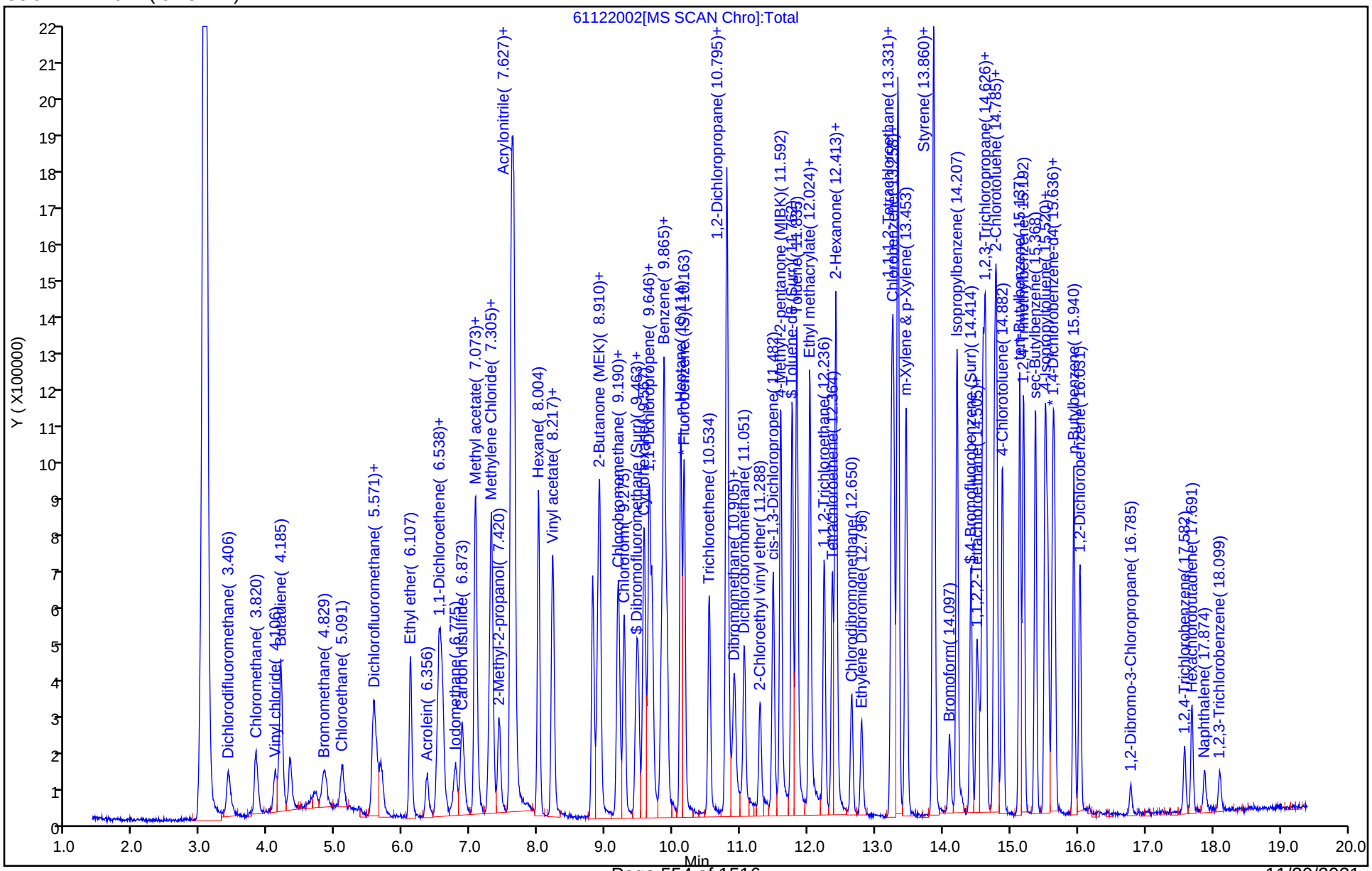
Report Date: 24-Nov-2021 12:23:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D

Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

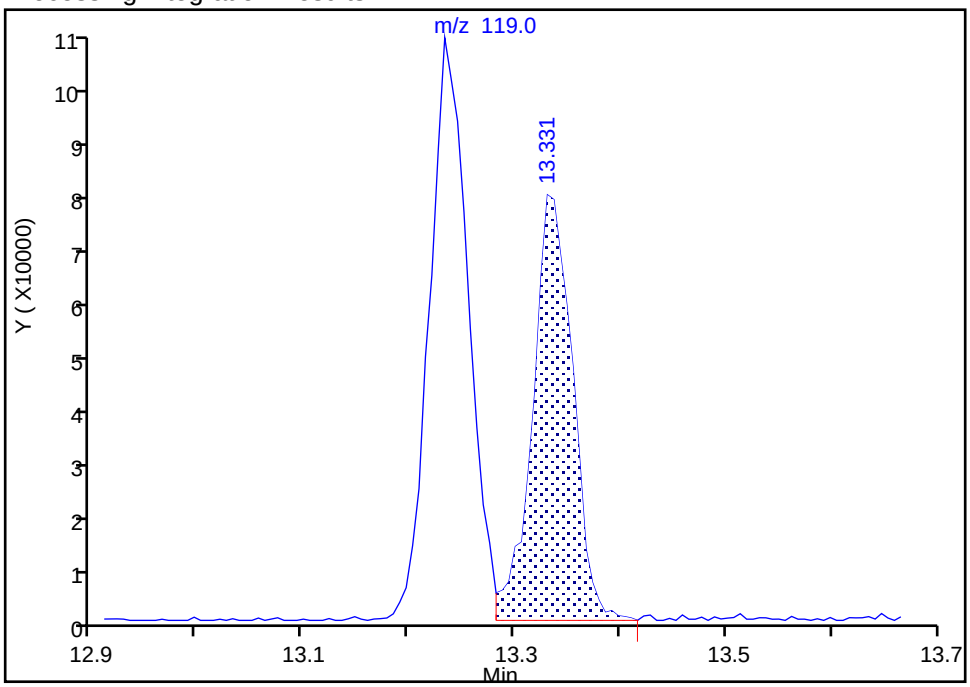
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

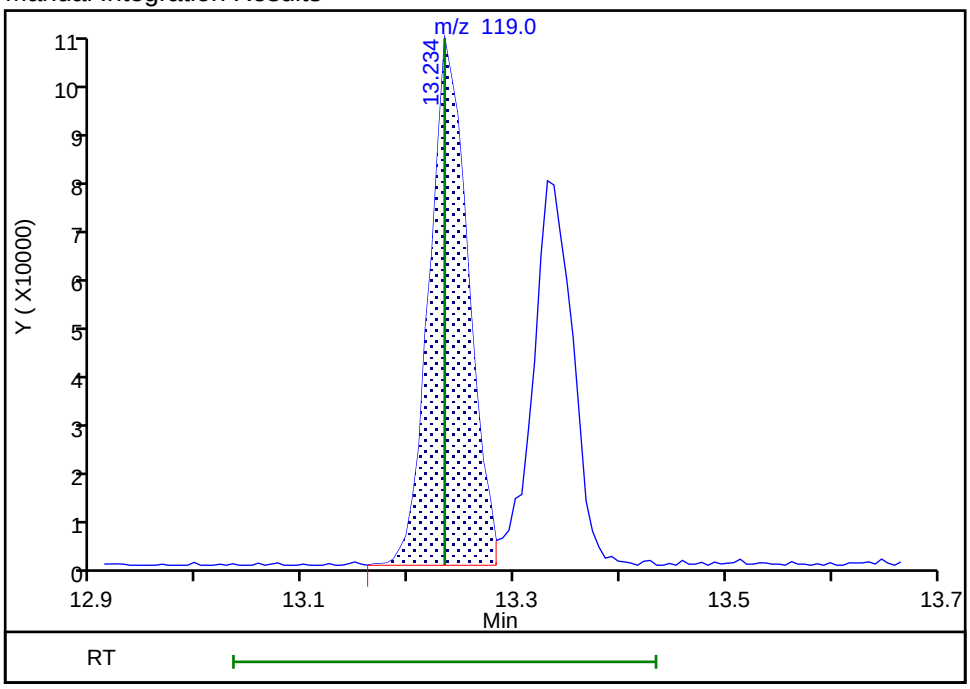
Processing Integration Results

RT: 13.33
Area: 195123
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.23
Area: 260074
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:15:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

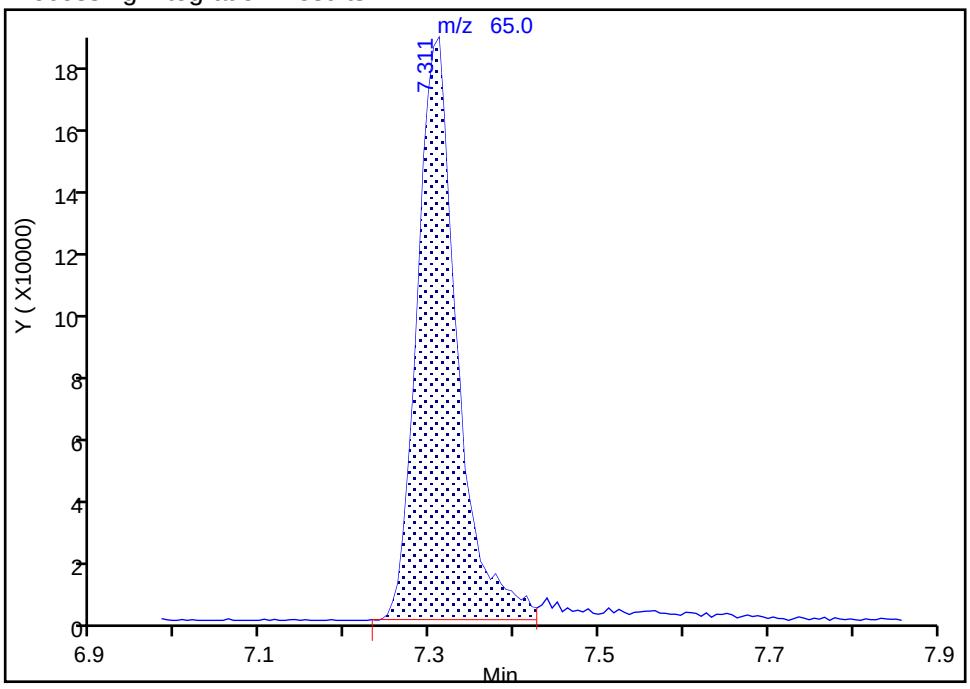
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

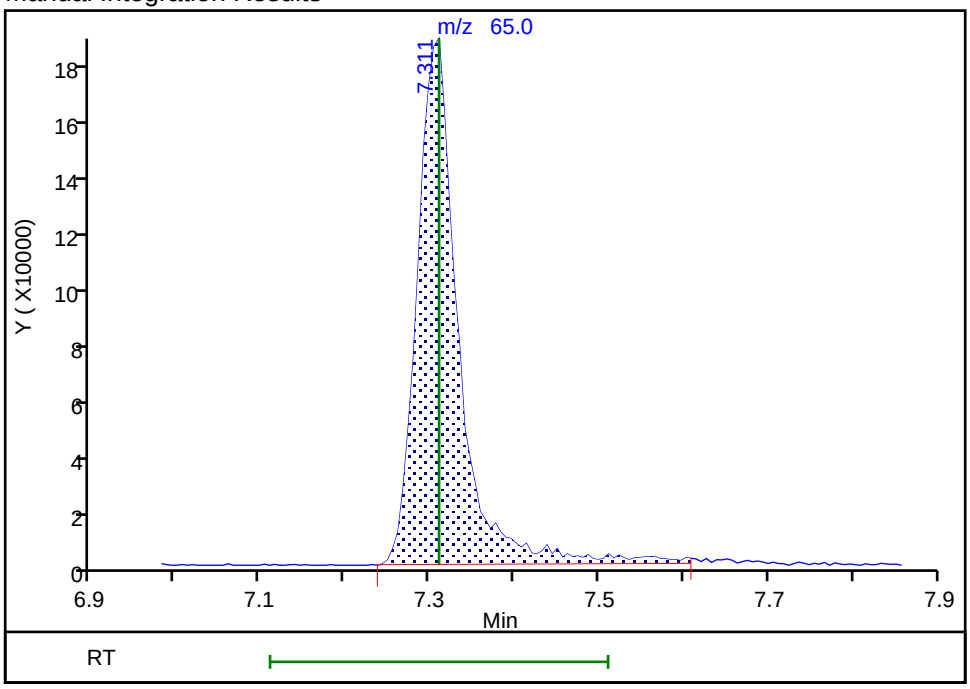
Processing Integration Results

RT: 7.31
Area: 599385
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 625505
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:22:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-379688/2 Calibration Date: 11/22/2021 12:50

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61122002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.2621		7.56	10.0	76	16-157
Chloromethane	Ave	0.4085	0.3899	0.1000	9.54	10.0	95	10-170
Vinyl chloride	Ave	0.3407	0.3032		8.90	10.0	89	10-170
Bromomethane	Ave	0.1981	0.1664		8.40	10.0	84	15-170
Chloroethane	Ave	0.2319	0.2107		9.08	10.0	91	40-160
Dichlorofluoromethane	Ave	0.5408	0.4414		8.16	10.0	82	39-150
Trichlorofluoromethane	Ave	0.4682	0.2998		6.40	10.0	64	50-150
Ethyl ether	Ave	0.2455	0.3559		14.5	10.0	145*	35-134
1,1-Dichloroethene	Ave	0.2213	0.2117		9.57	10.0	96	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.2178		8.47	10.0	85	49-150
Acetone	Ave	0.1055	0.1388		39.4	30.0	131	10-170
Iodomethane	Ave	0.3266	0.3353		10.3	10.0	103	49-155
Carbon disulfide	Ave	0.6703	0.7180		10.7	10.0	107	50-152
Methyl acetate	Ave	0.2225	0.4538		40.8	20.0	204*	10-170
3-Chloro-1-propene	Ave	0.1397	0.1247		8.93	10.0	89	53-137
Methylene Chloride	Lin1		0.3421		11.2	10.0	112	60-140
2-Methyl-2-propanol	Ave	1.170	1.213		104	100	104	56-129
Acrylonitrile	Ave	0.1194	0.1965		165	100	165*	60-140
Methyl tert-butyl ether	Ave	0.6047	0.8248		13.6	10.0	136	40-162
trans-1,2-Dichloroethene	Ave	0.2851	0.2571		9.02	10.0	90	70-130
Hexane	Ave	0.4360	0.4838		11.1	10.0	111	31-148
1,1-Dichloroethane	Ave	0.5400	0.5902	0.1000	10.9	10.0	109	70-130
2-Butanone (MEK)	Ave	0.1368	0.1905		41.8	30.0	139	10-170
cis-1,2-Dichloroethene	Ave	0.3026	0.3063		10.1	10.0	101	67-124
2,2-Dichloropropane	Ave	0.0714	0.0441		6.17	10.0	62	42-144
Chlorobromomethane	Ave	0.1346	0.1531		11.4	10.0	114	55-147
Tetrahydrofuran	Ave	0.0732	0.1420		38.8	20.0	194*	10-170
Chloroform	Ave	0.4974	0.5029		10.1	10.0	101	70-135
1,1,1-Trichloroethane	Ave	0.4241	0.3184		7.51	10.0	75	70-130
Cyclohexane	Ave	0.5222	0.5507		10.5	10.0	105	36-150
1,1-Dichloropropene	Ave	0.3739	0.3162		8.46	10.0	85	57-132
Carbon tetrachloride	Ave	0.3412	0.2569		7.53	10.0	75	70-130
Isobutyl alcohol	Ave	0.0091	0.0142		391	250	157	10-170
Benzene	Ave	1.159	1.183		10.2	10.0	102	65-135
1,2-Dichloroethane	Ave	0.4295	0.5156		12.0	10.0	120	70-130
Trichloroethene	Ave	0.2764	0.2598		9.40	10.0	94	65-135
Methylcyclohexane	Lin1		0.4137		9.71	10.0	97	30-170
1,2-Dichloropropane	Ave	0.3079	0.3489		11.3	10.0	113	35-165
1,4-Dioxane	Ave	0.0023	0.0036		305	200	153	10-170
Dibromomethane	Ave	0.1471	0.1744		11.9	10.0	119	48-151

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-379688/2 Calibration Date: 11/22/2021 12:50

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61122002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.3479		10.8	10.0	108	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.4235		13.4	10.0	134	25-170
4-Methyl-2-pentanone (MIBK)	Lin2		1.396		32.9	30.0	110	12-152
Toluene	Ave	5.610	5.017		8.94	10.0	89	70-130
Ethyl methacrylate	Qua1		1.389		13.0	10.0	130	37-166
trans-1,3-Dichloropropene	Ave	1.484	1.621		10.9	10.0	109	50-150
1,1,2-Trichloroethane	Ave	1.085	1.195		11.0	10.0	110	70-130
Tetrachloroethene	Ave	1.068	0.8655		8.10	10.0	81	70-130
1,3-Dichloropropane	Ave	1.996	2.119		10.6	10.0	106	50-134
2-Hexanone	Lin2		0.9009		32.3	30.0	108	10-157
Chlorodibromomethane	Ave	0.9234	0.9669		10.5	10.0	105	70-135
Ethylene Dibromide	Ave	0.9882	1.068		10.8	10.0	108	46-138
Chlorobenzene	Ave	3.359	3.051	0.3000	9.08	10.0	91	65-135
Ethylbenzene	Lin1		1.633		8.88	10.0	89	60-140
1,1,1,2-Tetrachloroethane	Ave	1.088	1.103		10.1	10.0	101	66-137
m-Xylene & p-Xylene	Lin1		1.982		8.36	10.0	84	60-130
o-Xylene	Ave	1.897	1.951		10.3	10.0	103	62-133
Styrene	Lin1		3.041		8.82	10.0	88	64-119
Bromoform	Ave	0.4232	0.5776	0.1000	13.7	10.0	137*	70-130
Isopropylbenzene	Lin2		4.445		7.79	10.0	78	47-143
1,1,2,2-Tetrachloroethane	Ave	1.169	1.257	0.3000	10.8	10.0	108	60-140
trans-1,4-Dichloro-2-butene	Lin1		0.3147		14.8	10.0	148	10-170
1,2,3-Trichloropropane	Ave	0.3221	0.3614		11.2	10.0	112	30-142
Bromobenzene	Ave	0.9030	0.9298		10.3	10.0	103	64-131
N-Propylbenzene	Lin2		1.052		10.5	10.0	105	37-166
2-Chlorotoluene	Ave	0.8817	0.8996		10.2	10.0	102	48-145
1,3,5-Trimethylbenzene	Lin2		3.091		9.64	10.0	96	50-150
4-Chlorotoluene	Ave	0.9038	0.9117		10.1	10.0	101	53-140
tert-Butylbenzene	Lin2		2.835		10.7	10.0	107	19-170
1,2,4-Trimethylbenzene	Lin2		3.056		9.70	10.0	97	37-147
sec-Butylbenzene	Lin2		3.594		10.9	10.0	109	20-170
4-Isopropyltoluene	Lin1		2.834		9.80	10.0	98	19-170
1,3-Dichlorobenzene	Ave	1.643	1.562		9.51	10.0	95	70-130
1,4-Dichlorobenzene	Ave	1.667	1.539		9.23	10.0	92	65-135
n-Butylbenzene	Lin1		2.197		11.1	10.0	111	10-170
1,2-Dichlorobenzene	Ave	1.438	1.324		9.21	10.0	92	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0913		10.1	10.0	101	10-170
1,2,4-Trichlorobenzene	Ave	0.3663	0.2804		7.66	10.0	77	10-170
Hexachlorobutadiene	Lin2		0.2516		13.0	10.0	130	10-170
Naphthalene	Qua1		0.4328		8.87	10.0	89	10-170
1,2,3-Trichlorobenzene	Ave	0.1916	0.1667		8.70	10.0	87	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-379688/2 Calibration Date: 11/22/2021 12:50

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61122002.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
Dibromofluoromethane (Surr)	Ave	0.2118	0.2324		11.0	10.0	9.8	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3499		10.6	10.0	6.2	
Toluene-d8 (Surr)	Ave	4.481	3.870		8.64	10.0	-13.6	
4-Bromofluorobenzene (Surr)	Ave	1.487	1.388		9.33	10.0	-6.7	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Nov-2021 12:50:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 24-Nov-2021 12:23:39 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: krisornc Date: 24-Nov-2021 12:23:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.311	7.311	0.000	88	625505	1000.0	1000.0	sM
* 2 Fluorobenzene (IS)	96	10.163	10.163	0.000	67	1098477	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.234	13.234	0.000	89	260074	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.630	15.630	0.000	30	314146	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.445	9.445	0.000	47	255338	50.0	54.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.822	9.822	0.000	95	384314	50.0	53.1	a
$ 7 Toluene-d8 (Surr)	98	11.768	11.768	0.000	44	1006569	50.0	43.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	37	361021	50.0	46.7	
11 Dichlorodifluoromethane	85	3.406	3.406	0.000	32	287888	50.0	37.8	
12 Chloromethane	50	3.814	3.814	0.000	31	428274	50.0	47.7	
13 Vinyl chloride	62	4.100	4.100	0.000	23	333045	50.0	44.5	
14 Butadiene	39	4.185	4.185	0.000	50	347684	50.0	38.5	
15 Bromomethane	94	4.829	4.829	0.000	41	182775	50.0	42.0	
16 Chloroethane	64	5.103	5.103	0.000	21	231476	50.0	45.4	
17 Dichlorofluoromethane	67	5.559	5.559	0.000	41	484864	50.0	40.8	
18 Trichlorofluoromethane	101	5.602	5.602	0.000	40	329314	50.0	32.0	
20 Ethyl ether	59	6.107	6.107	0.000	45	390906	50.0	72.5	
21 Acrolein	56	6.356	6.356	0.000	39	188834	150.0	202.8	
22 1,1-Dichloroethene	96	6.526	6.526	0.000	37	232602	50.0	47.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.550	6.550	0.000	36	239223	50.0	42.3	
24 Acetone	43	6.587	6.587	0.000	25	457343	150.0	197.2	
25 Iodomethane	142	6.775	6.775	0.000	35	368290	50.0	51.3	
26 Carbon disulfide	76	6.873	6.873	0.000	33	788694	50.0	53.6	
30 Methyl acetate	43	7.061	7.061	0.000	46	996969	100.0	204.0	
29 3-Chloro-1-propene	76	7.080	7.080	0.000	25	136931	50.0	44.6	
31 Methylene Chloride	84	7.298	7.298	0.000	42	375827	50.0	55.8	
32 2-Methyl-2-propanol	59	7.414	7.414	0.000	41	379304	500.0	518.4	
33 Acrylonitrile	53	7.603	7.603	0.000	43	2158807	500.0	823.1	
35 Methyl tert-butyl ether	73	7.639	7.639	0.000	48	906044	50.0	68.2	
34 trans-1,2-Dichloroethene	96	7.657	7.657	0.000	40	282395	50.0	45.1	
36 Hexane	57	8.004	8.004	0.000	17	531484	50.0	55.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.205	8.205	0.000	40	801073	50.0	97.3	
37 1,1-Dichloroethane	63	8.229	8.229	0.000	41	648328	50.0	54.6	
44 2-Butanone (MEK)	43	8.880	8.880	0.000	47	627718	150.0	208.9	
43 cis-1,2-Dichloroethene	96	8.904	8.904	0.000	45	336490	50.0	50.6	
42 2,2-Dichloropropane	97	8.916	8.916	0.000	46	48410	50.0	30.8	
48 Chlorobromomethane	128	9.184	9.184	0.000	25	168173	50.0	56.9	
49 Tetrahydrofuran	42	9.202	9.202	0.000	34	312015	100.0	194.1	
50 Chloroform	83	9.275	9.275	0.000	34	552422	50.0	50.5	
51 1,1,1-Trichloroethane	97	9.488	9.488	0.000	41	349765	50.0	37.5	
55 Isobutyl alcohol	41	9.688	9.688	0.000	91	389632	1250.0	1956.5	a
52 Cyclohexane	56	9.573	9.573	0.000	30	604928	50.0	52.7	
54 1,1-Dichloropropene	75	9.640	9.640	0.000	69	347292	50.0	42.3	
53 Carbon tetrachloride	117	9.658	9.658	0.000	27	282239	50.0	37.7	
56 Benzene	78	9.871	9.871	0.000	42	1299274	50.0	51.0	
57 1,2-Dichloroethane	62	9.913	9.913	0.000	31	566367	50.0	60.0	
59 n-Heptane	43	10.114	10.114	0.000	43	559649	50.0	82.7	
61 Trichloroethene	130	10.528	10.528	0.000	44	285407	50.0	47.0	
63 Methylcyclohexane	83	10.789	10.789	0.000	89	454468	50.0	48.6	a
64 1,2-Dichloropropane	63	10.807	10.807	0.000	77	383204	50.0	56.6	a
65 1,4-Dioxane	88	10.862	10.862	0.000	88	78055	1000.0	1525.1	a
67 Dibromomethane	93	10.905	10.905	0.000	37	191538	50.0	59.3	
68 Dichlorobromomethane	83	11.051	11.051	0.000	31	382127	50.0	54.1	
70 2-Chloroethyl vinyl ether	63	11.288	11.288	0.000	33	172103	100.0	49.4	
71 cis-1,3-Dichloropropene	75	11.482	11.482	0.000	36	465231	50.0	67.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.592	11.592	0.000	46	1089550	150.0	164.6	
73 Toluene	91	11.835	11.835	0.000	45	1304687	50.0	44.7	
75 Ethyl methacrylate	69	12.024	12.024	0.000	46	361275	50.0	65.1	
74 trans-1,3-Dichloropropene	75	12.030	12.030	0.000	36	421492	50.0	54.6	
76 1,1,2-Trichloroethane	97	12.236	12.236	0.000	95	310727	50.0	55.0	
77 Tetrachloroethene	164	12.358	12.358	0.000	43	225082	50.0	40.5	
78 1,3-Dichloropropane	76	12.413	12.413	0.000	89	551033	50.0	53.1	a
79 2-Hexanone	43	12.413	12.413	0.000	33	702904	150.0	161.4	
81 Chlorodibromomethane	129	12.644	12.644	0.000	35	251474	50.0	52.4	
82 Ethylene Dibromide	107	12.796	12.796	0.000	34	277646	50.0	54.0	
84 Chlorobenzene	112	13.270	13.270	0.000	22	793489	50.0	45.4	
87 Ethylbenzene	106	13.331	13.331	0.000	98	424574	50.0	44.4	a
86 1,1,1,2-Tetrachloroethane	131	13.337	13.337	0.000	40	286743	50.0	50.7	
88 m-Xylene & p-Xylene	106	13.459	13.459	0.000	99	515387	50.0	41.8	a
89 o-Xylene	106	13.860	13.860	0.000	33	507508	50.0	51.4	
90 Styrene	104	13.872	13.872	0.000	50	790918	50.0	44.1	
91 Bromoform	173	14.097	14.097	0.000	38	150225	50.0	68.3	
93 Isopropylbenzene	105	14.207	14.207	0.000	47	1156021	50.0	38.9	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.505	0.000	33	326892	50.0	53.8	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	66	98870	50.0	73.8	a
98 1,2,3-Trichloropropane	110	14.584	14.584	0.000	35	113540	50.0	56.1	
95 Bromobenzene	156	14.596	14.596	0.000	45	292100	50.0	51.5	
99 N-Propylbenzene	120	14.633	14.633	0.000	34	330543	50.0	52.3	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	282604	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.791	14.791	0.000	37	970891	50.0	48.2	
103 4-Chlorotoluene	126	14.882	14.882	0.000	39	286419	50.0	50.4	
104 tert-Butylbenzene	119	15.137	15.137	0.000	41	890610	50.0	53.4	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	38	960031	50.0	48.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1129100	50.0	54.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	890279	50.0	49.0	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	490853	50.0	47.6	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	483459	50.0	46.2	a
116 n-Butylbenzene	91	15.940	15.940	0.000	37	690321	50.0	55.6	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	416002	50.0	46.0	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	71	28697	50.0	50.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	88102	50.0	38.3	
123 Hexachlorobutadiene	225	17.685	17.685	0.000	97	79028	50.0	65.2	a
124 Naphthalene	128	17.874	17.874	0.000	20	135956	50.0	44.3	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	34	52355	50.0	43.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	95.7	
S 131 Xylenes, Total	106				0		100.0	93.2	
S 154 Total BTEX	1				0		250.0	233.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	121.7	

QC Flag Legend

Processing Flags
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL	
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL	
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL	
VOAVAPRI_00051	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL	
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent

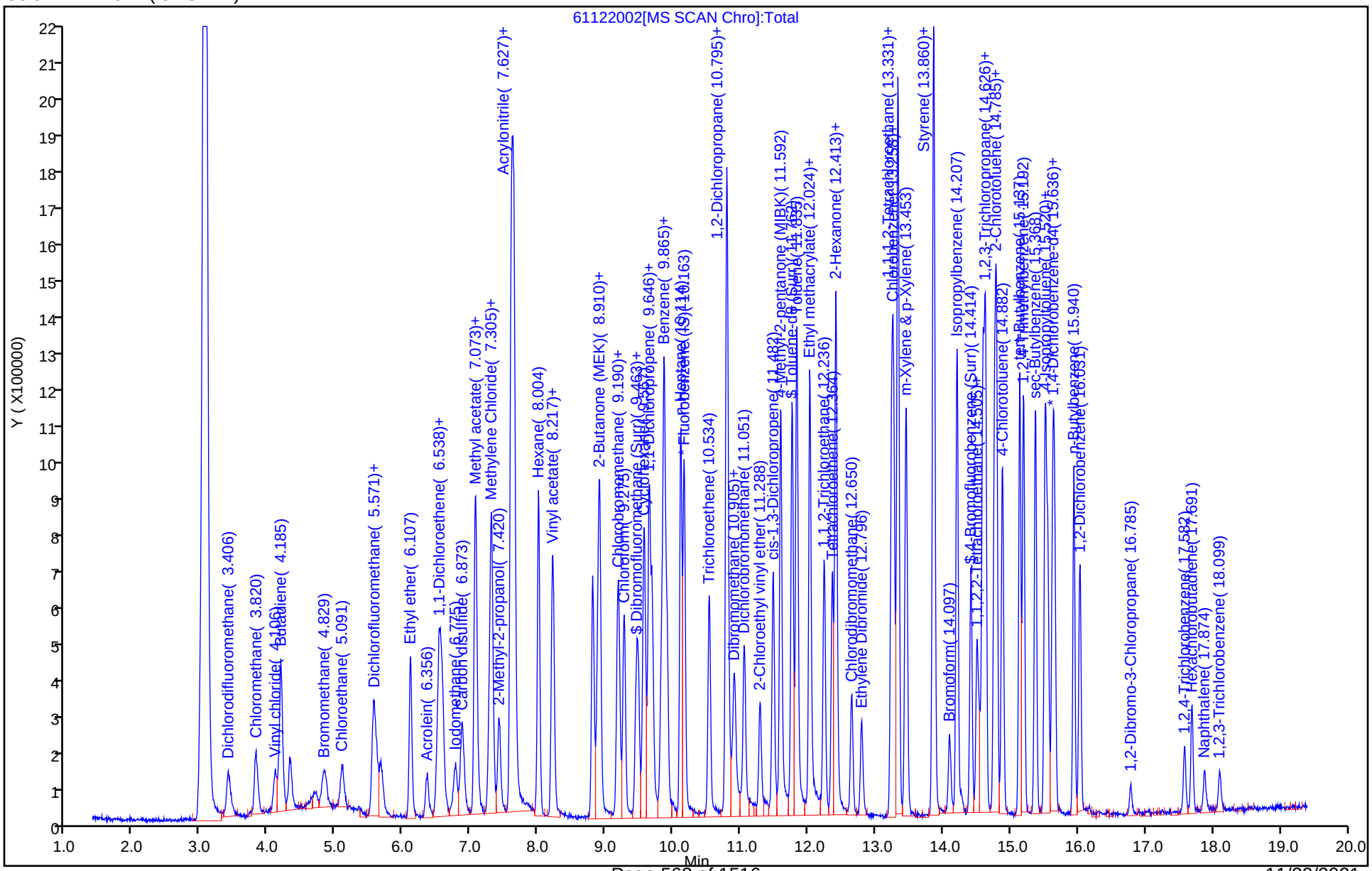
Report Date: 24-Nov-2021 12:23:41 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D

Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

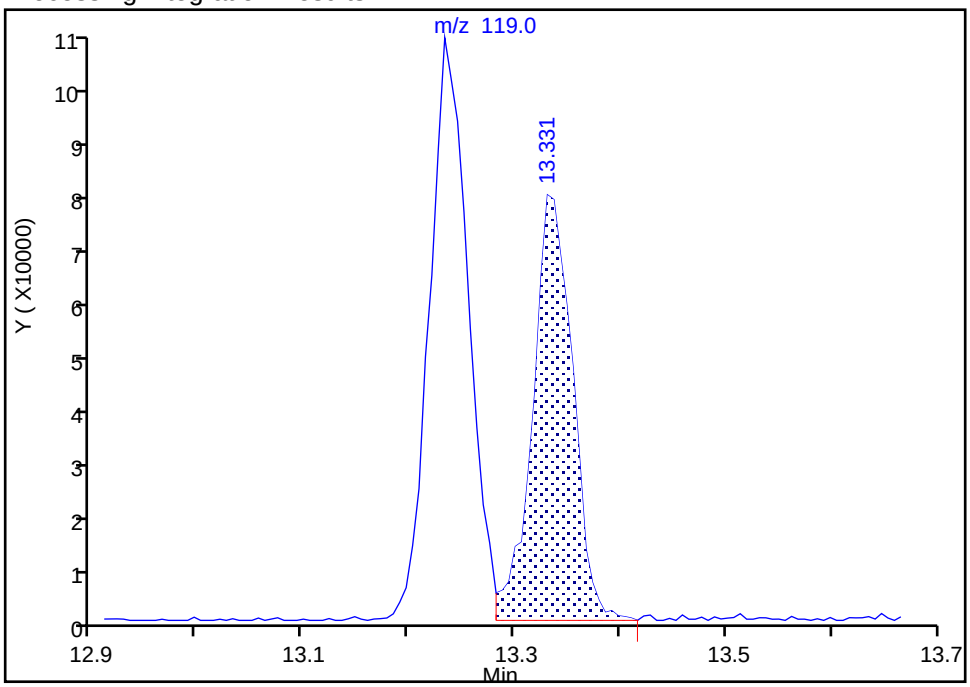
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

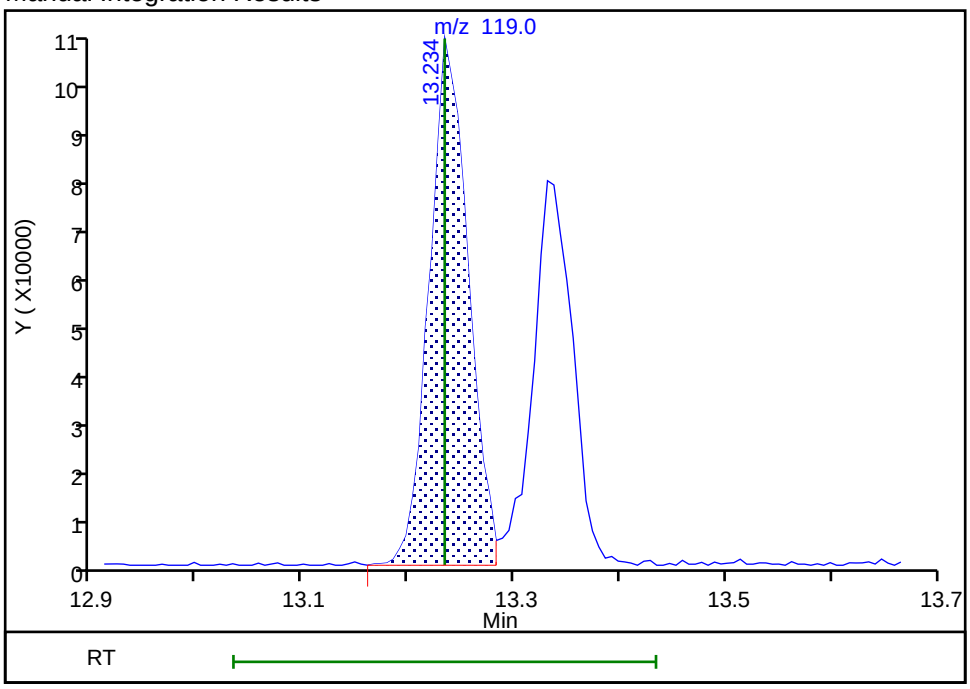
Processing Integration Results

RT: 13.33
Area: 195123
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.23
Area: 260074
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:15:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

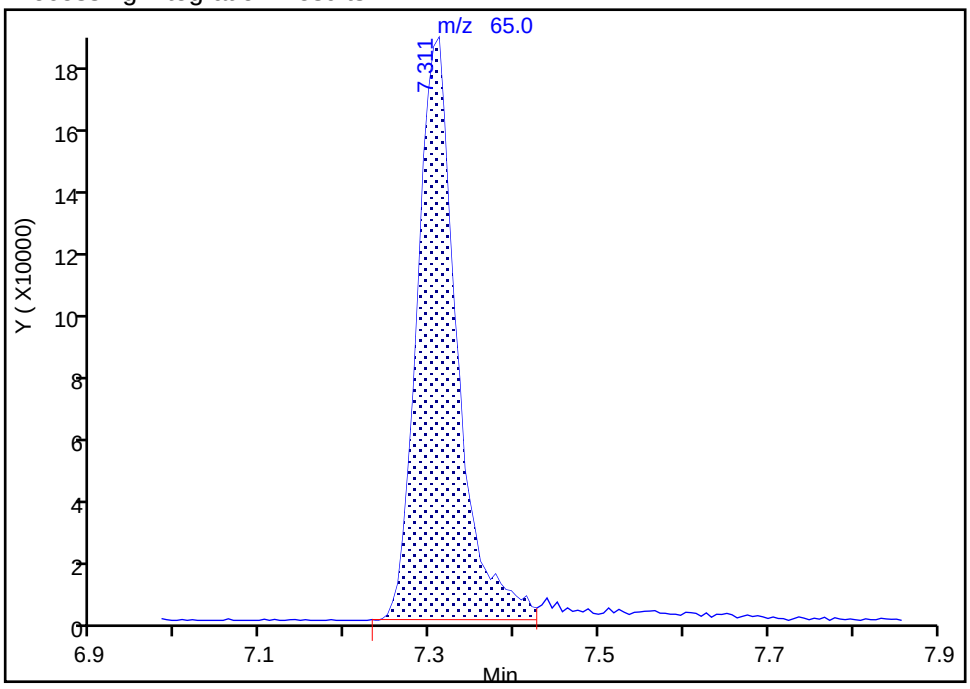
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

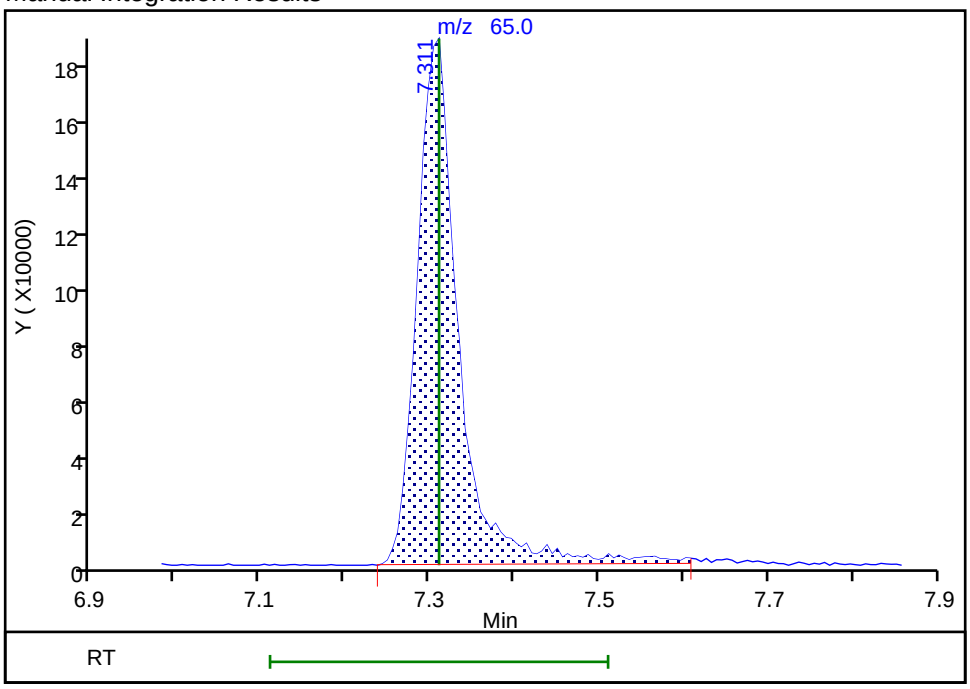
Processing Integration Results

RT: 7.31
Area: 599385
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 625505
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:22:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

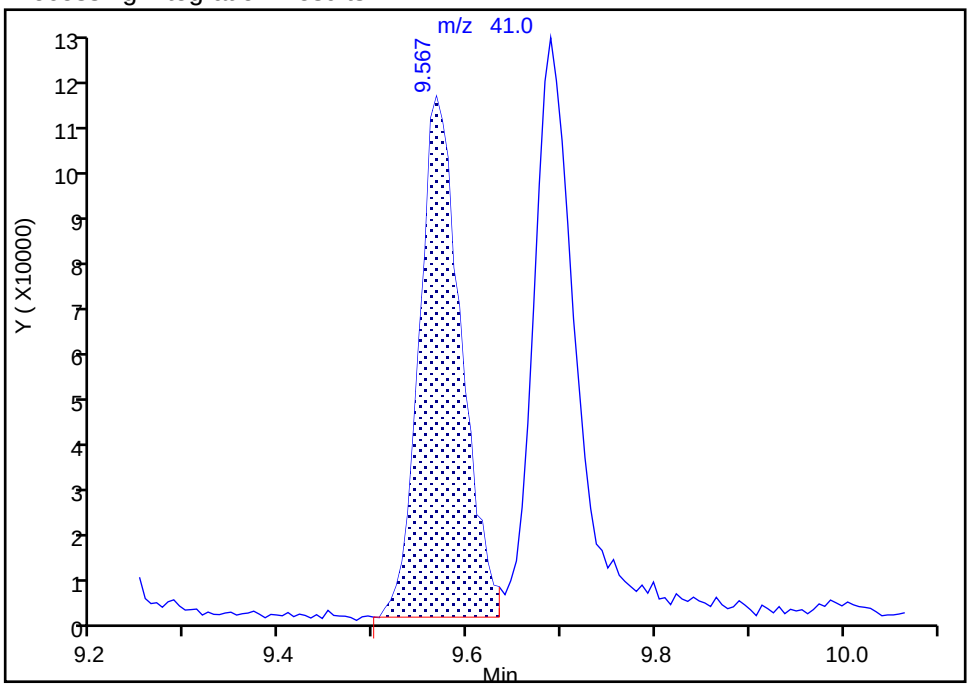
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D				
Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

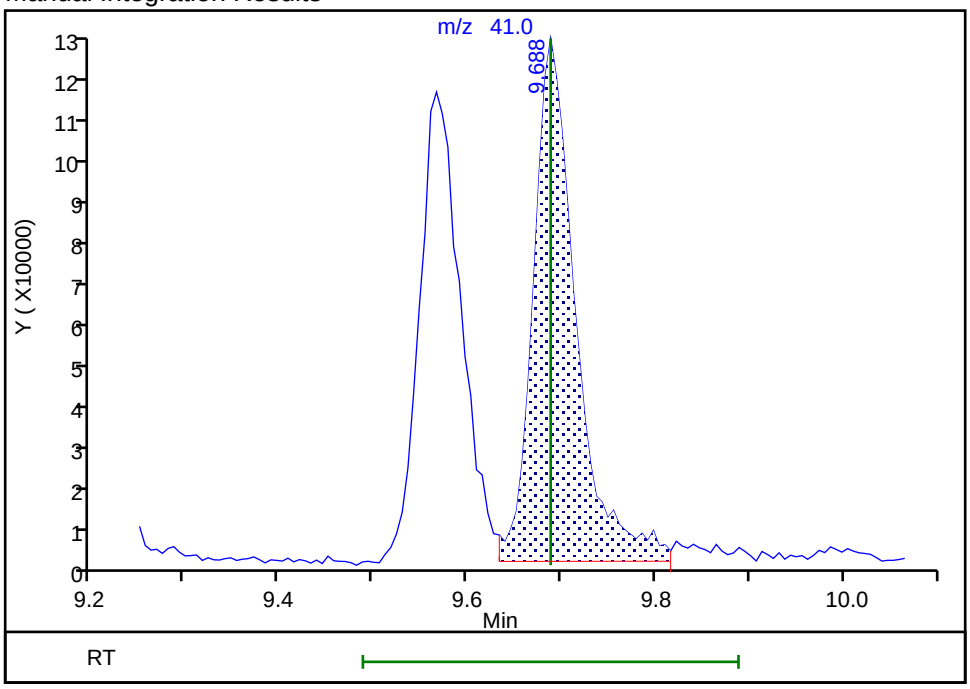
Processing Integration Results

RT: 9.57
Area: 344595
Amount: 1730.3174
Amount Units: ng



Manual Integration Results

RT: 9.69
Area: 389632
Amount: 1956.4620
Amount Units: ng



Reviewer: krisornc, 24-Nov-2021 12:23:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

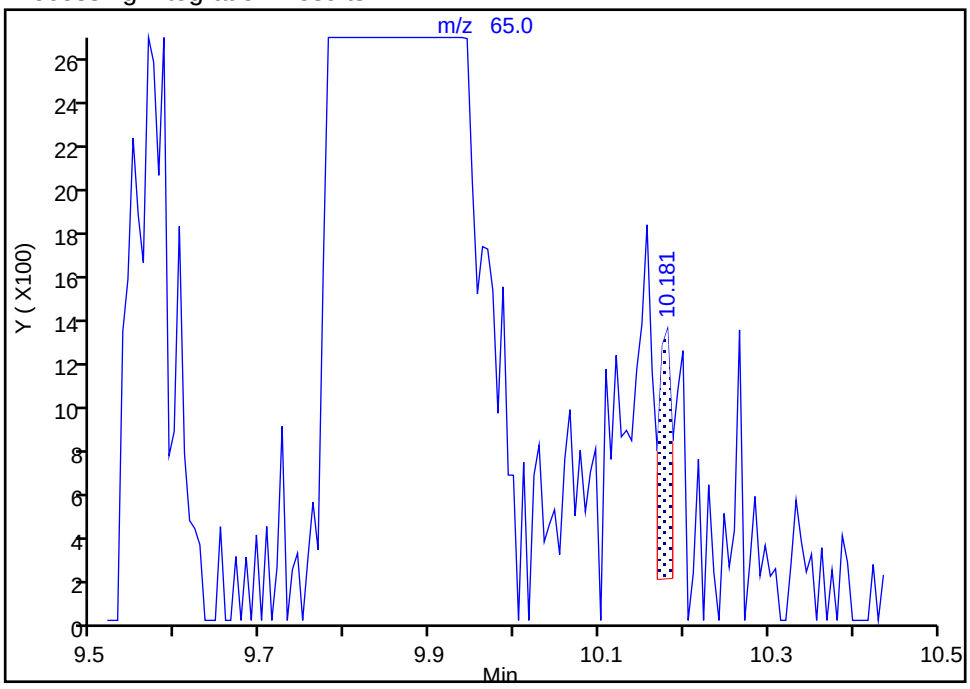
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

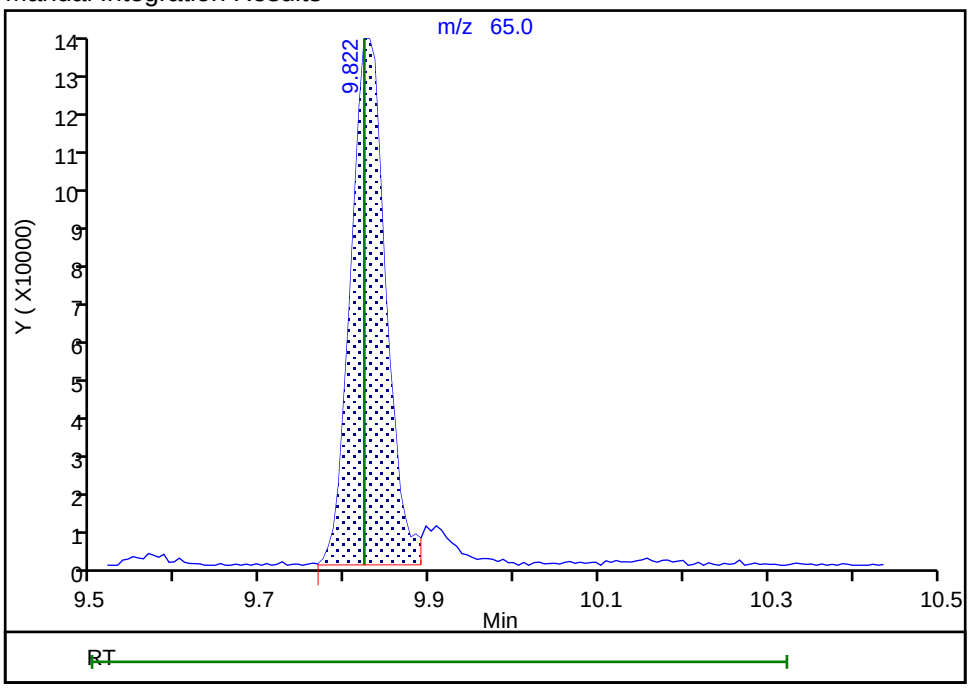
Processing Integration Results

RT: 10.18
Area: 1239
Amount: 0.171252
Amount Units: ng



Manual Integration Results

RT: 9.82
Area: 384314
Amount: 53.119144
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:15:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

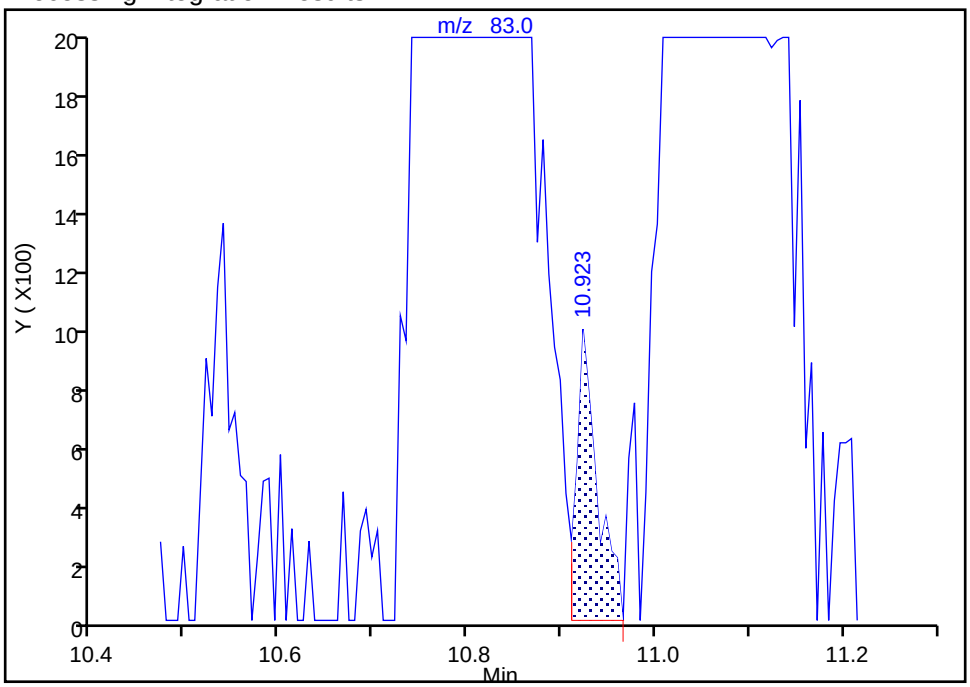
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

63 Methylcyclohexane, CAS: 108-87-2

Signal: 1

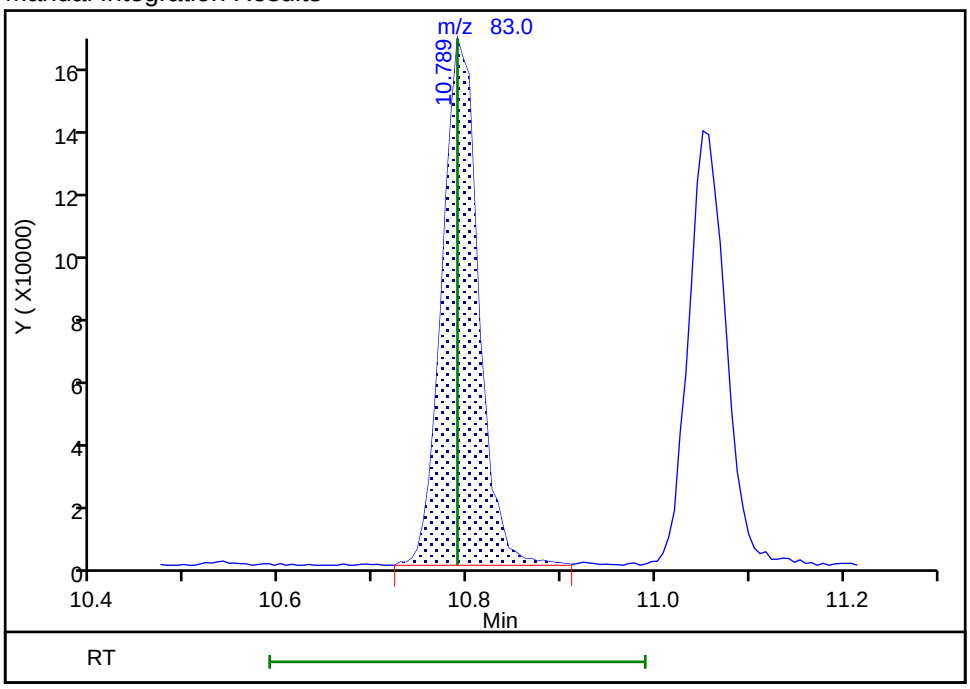
Processing Integration Results

RT: 10.92
Area: 1480
Amount: 1.551661
Amount Units: ng



Manual Integration Results

RT: 10.79
Area: 454468
Amount: 48.550914
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:32:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

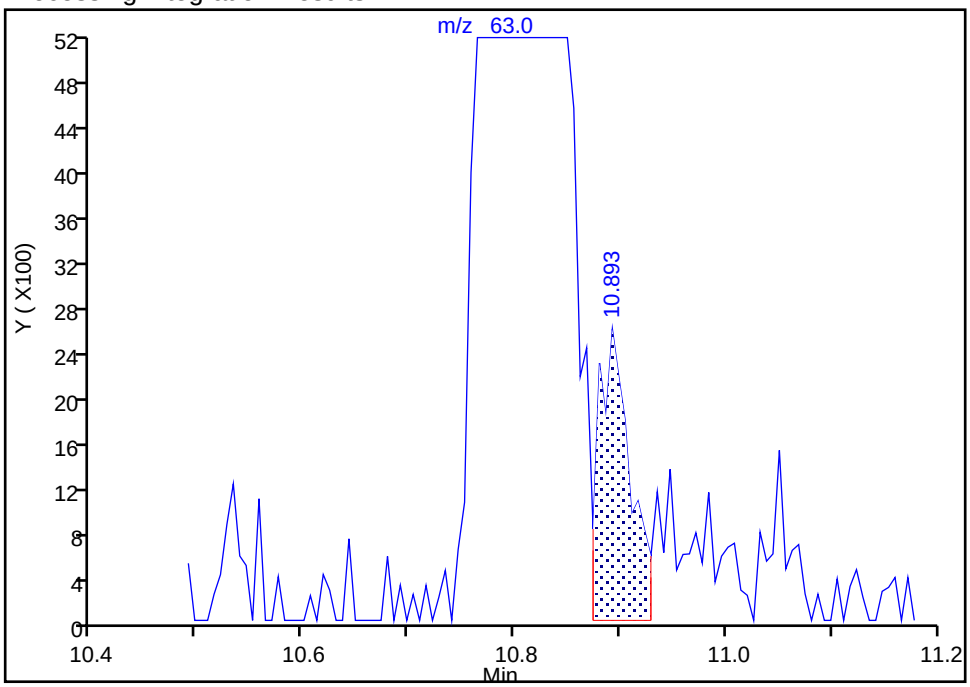
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D				
Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

64 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

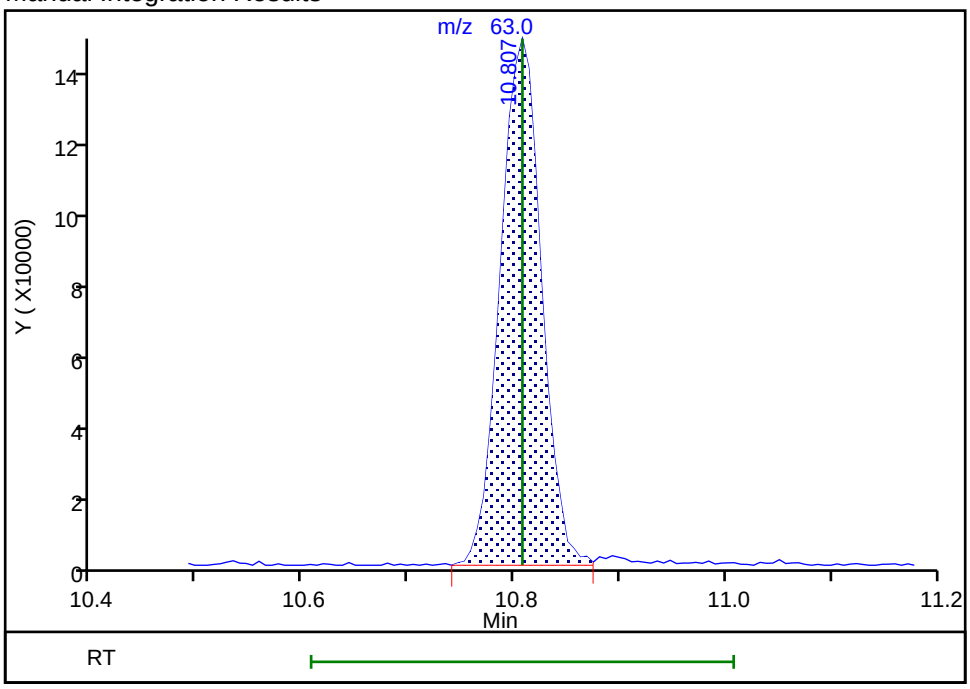
Processing Integration Results

RT: 10.89
Area: 5361
Amount: 0.792491
Amount Units: ng



Manual Integration Results

RT: 10.81
Area: 383204
Amount: 56.647211
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:20:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

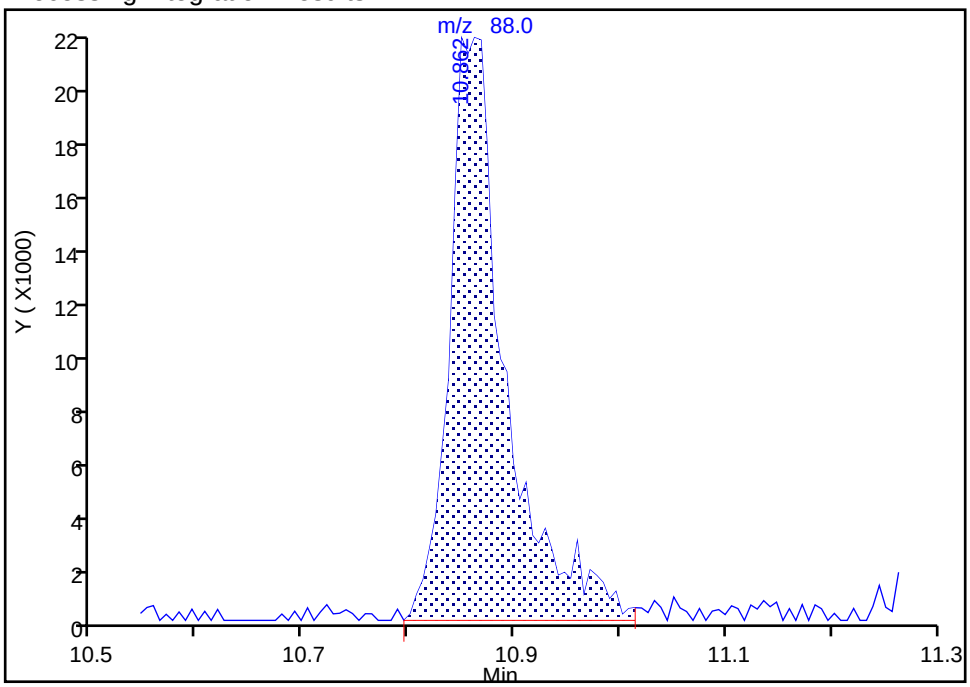
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

65 1,4-Dioxane, CAS: 123-91-1

Signal: 1

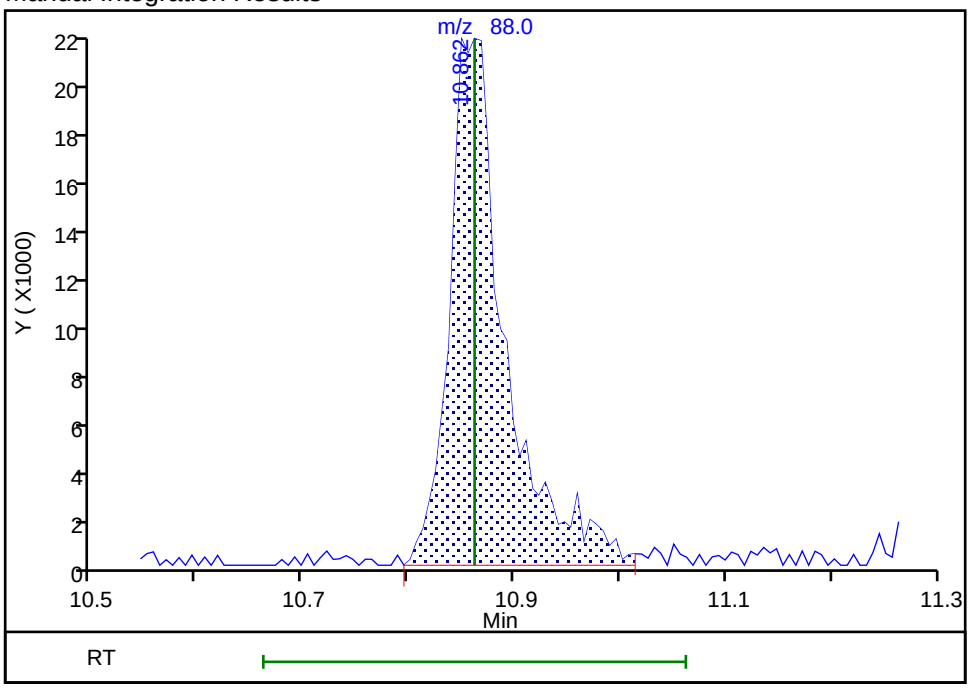
Processing Integration Results

RT: 10.86
Area: 78055
Amount: 1384.2973
Amount Units: ng



Manual Integration Results

RT: 10.86
Area: 78055
Amount: 1525.0533
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:20:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

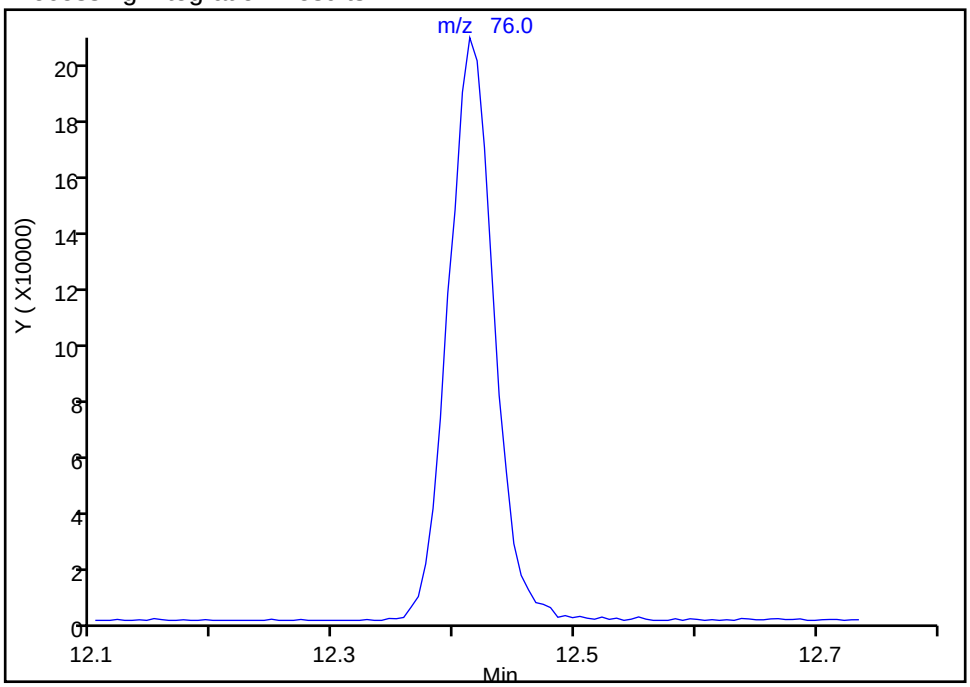
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D				
Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

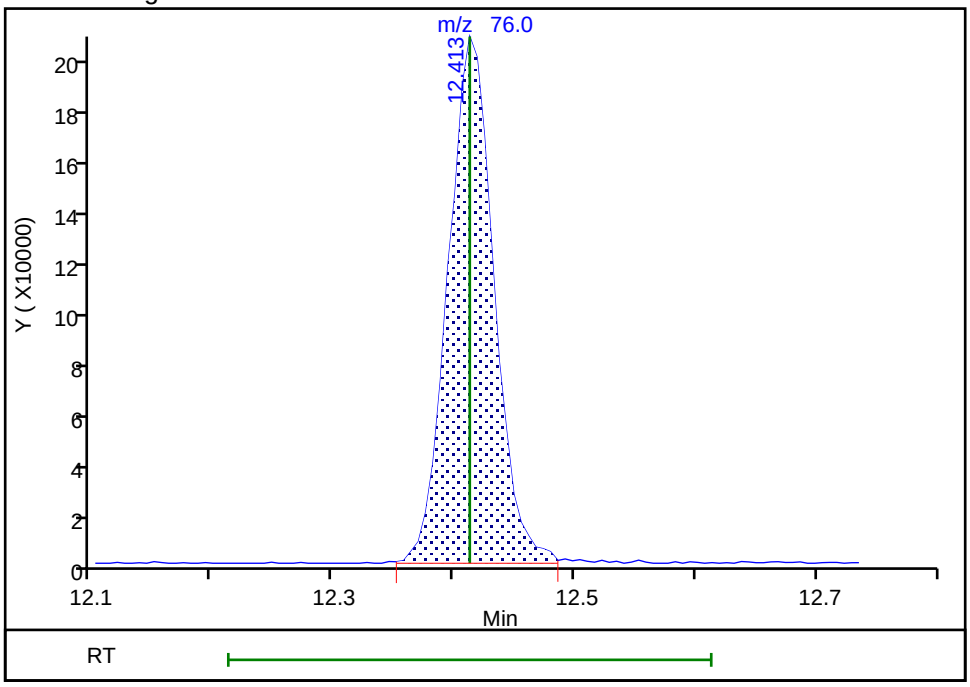
Not Detected
Expected RT: 12.41

Processing Integration Results



Manual Integration Results

RT: 12.41
Area: 551033
Amount: 53.074305
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

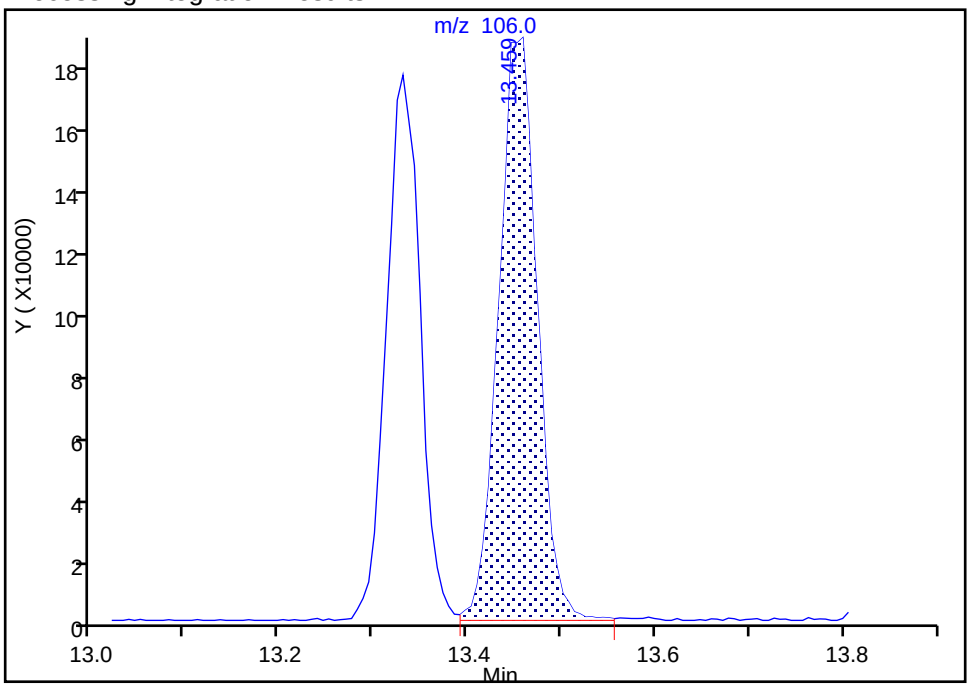
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

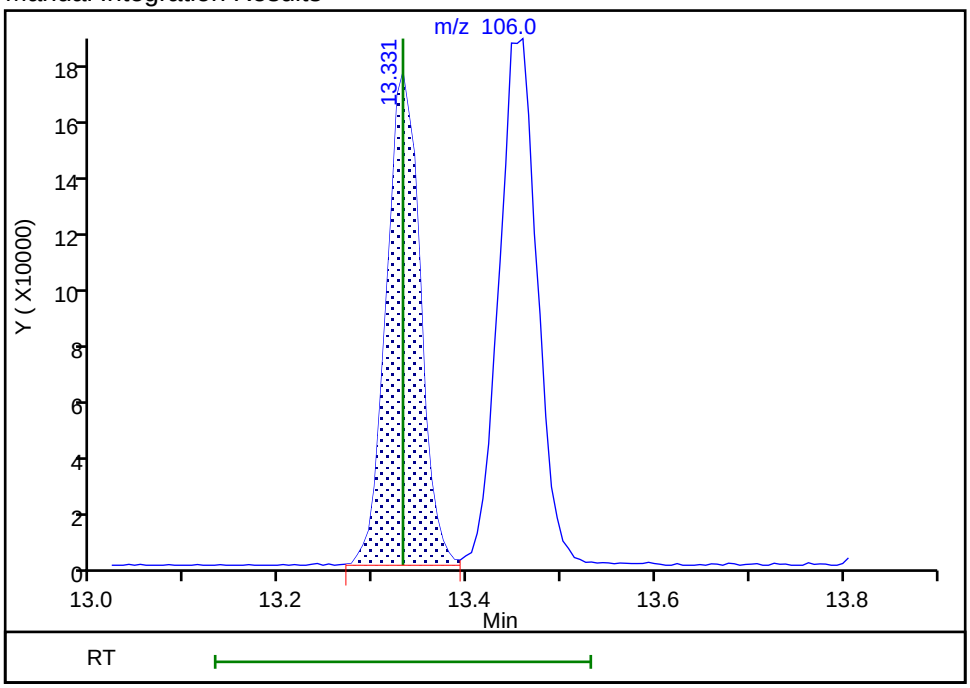
Processing Integration Results

RT: 13.46
Area: 516214
Amount: 70.650616
Amount Units: ng



Manual Integration Results

RT: 13.33
Area: 424574
Amount: 44.391647
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

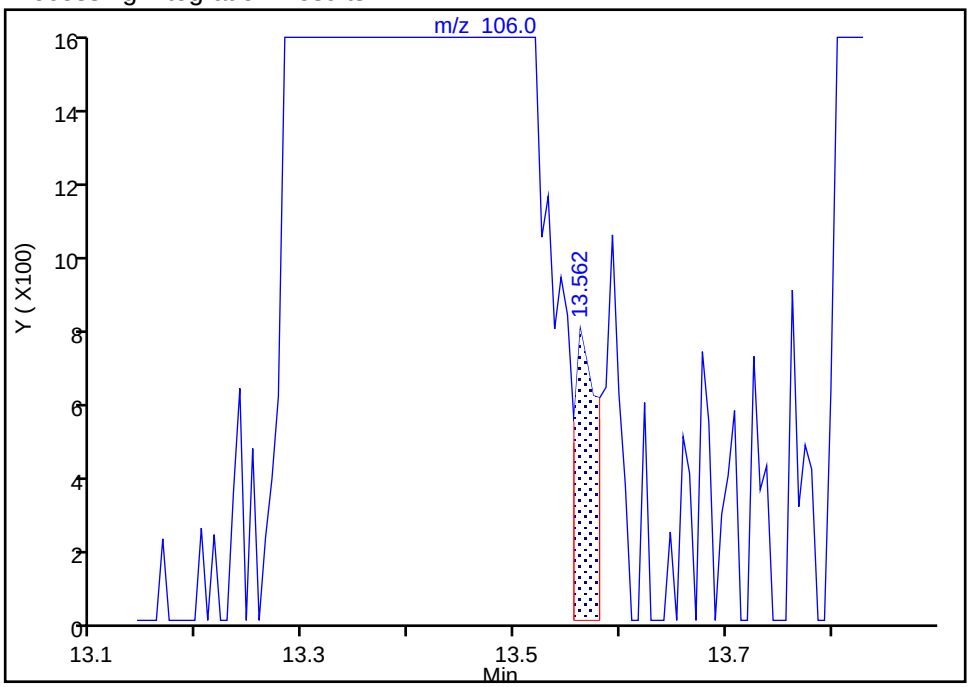
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

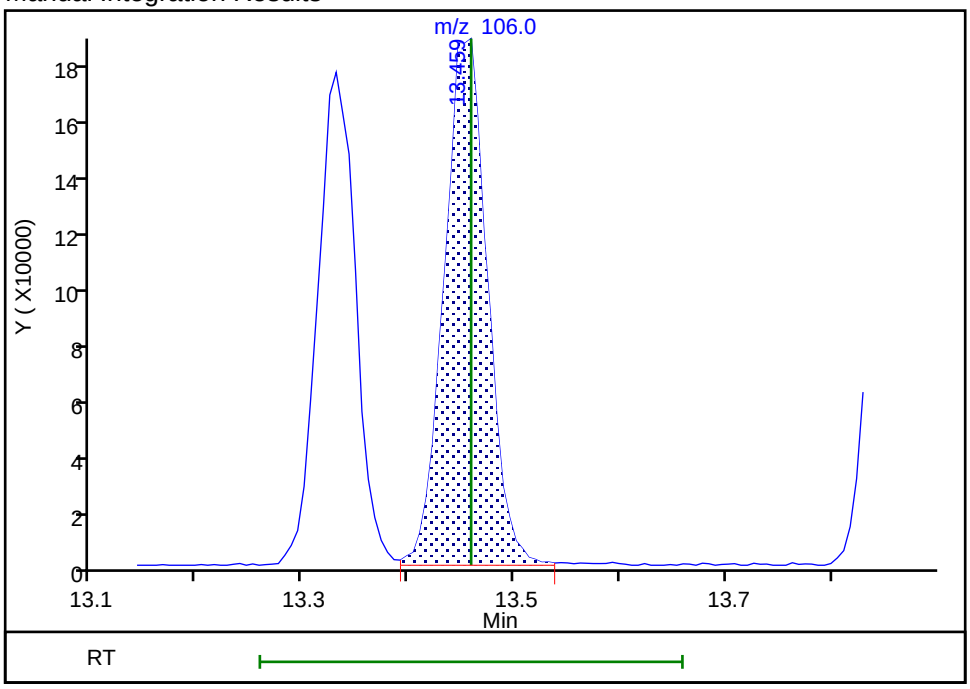
Processing Integration Results

RT: 13.56
Area: 1141
Amount: 3.021364
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 515387
Amount: 41.784912
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

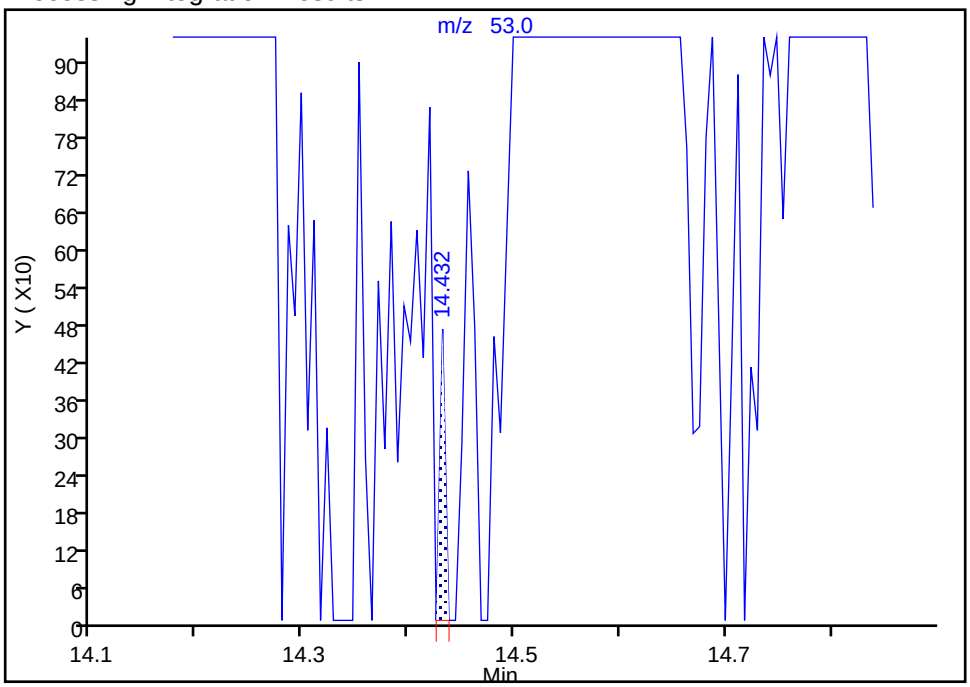
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

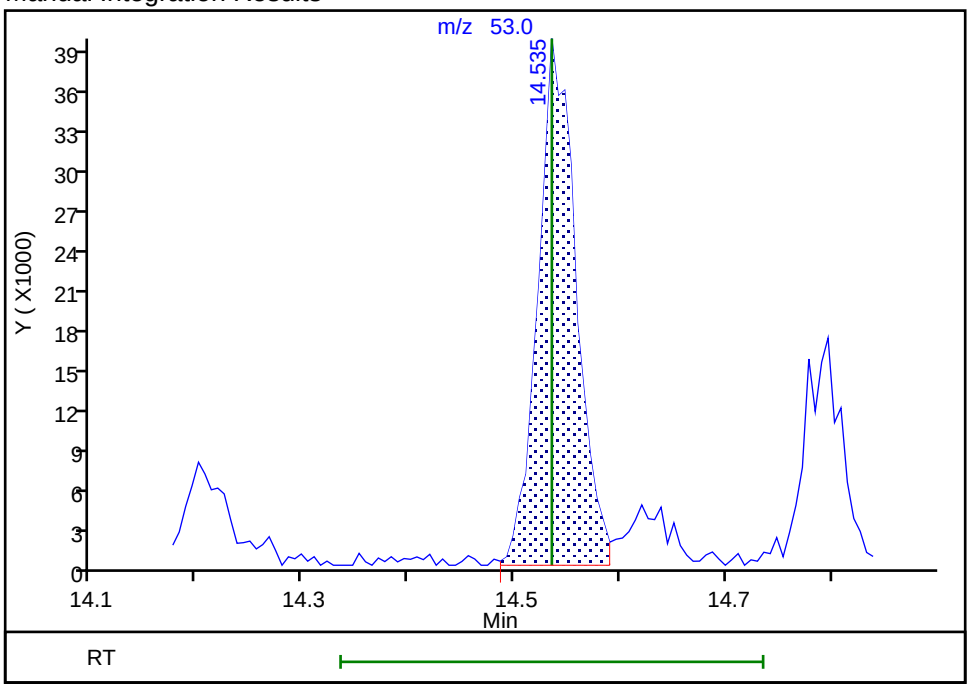
Processing Integration Results

RT: 14.43
Area: 170
Amount: 1.282387
Amount Units: ng



Manual Integration Results

RT: 14.54
Area: 98870
Amount: 73.826596
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

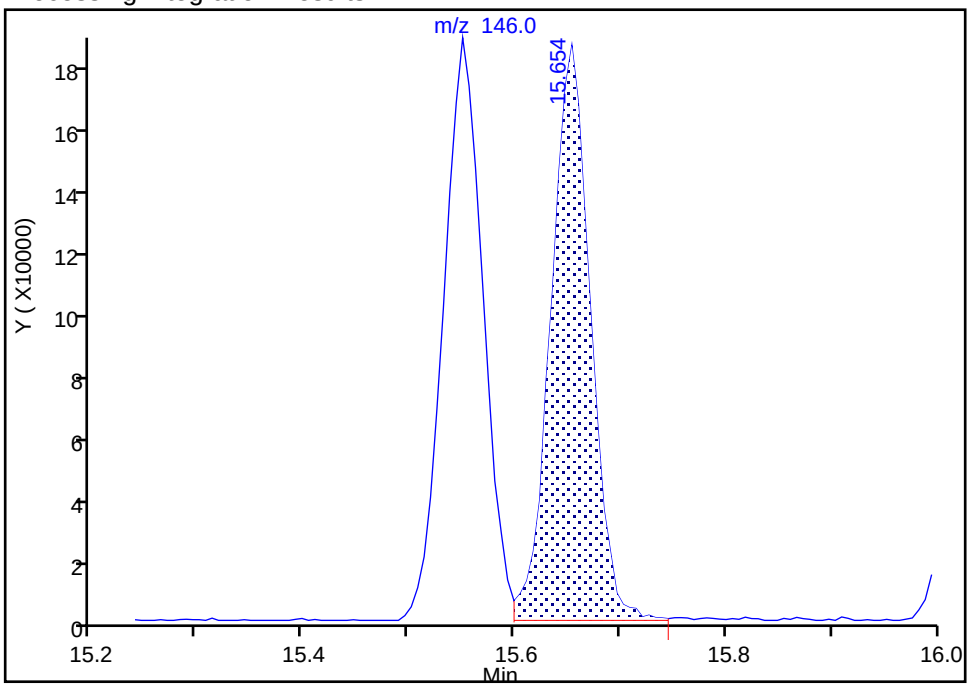
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

109 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

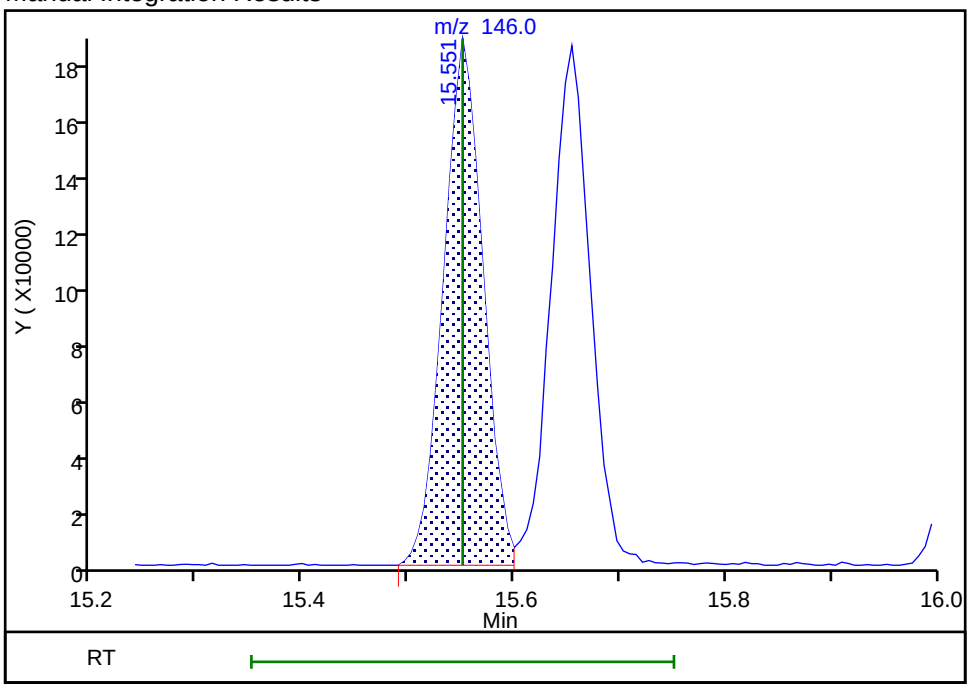
Processing Integration Results

RT: 15.65
Area: 483459
Amount: 46.839892
Amount Units: ng



Manual Integration Results

RT: 15.55
Area: 490853
Amount: 47.556259
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

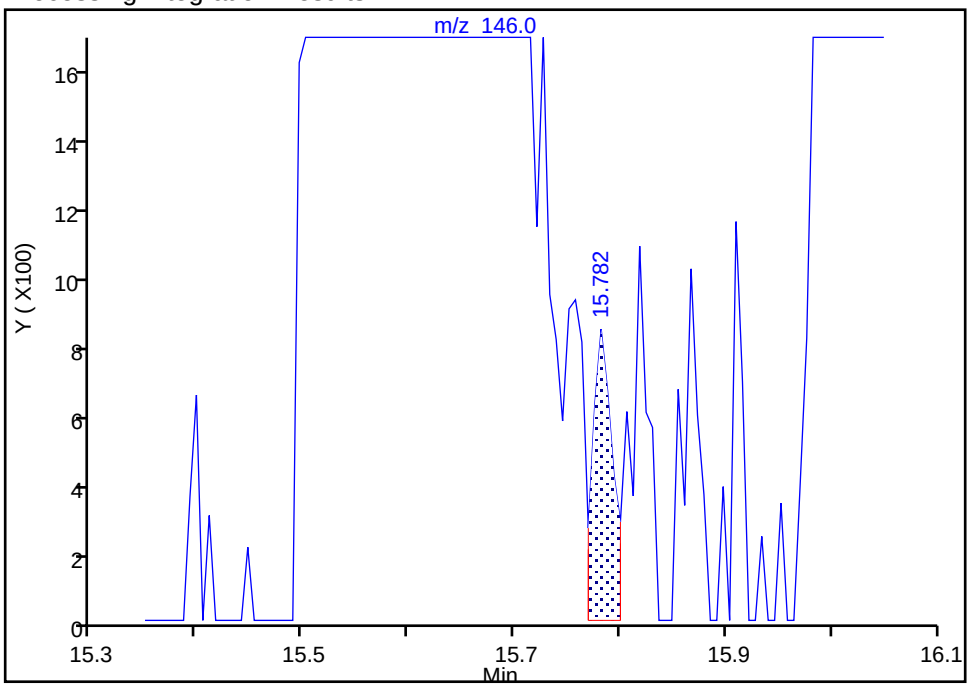
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D
Injection Date: 22-Nov-2021 12:50:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

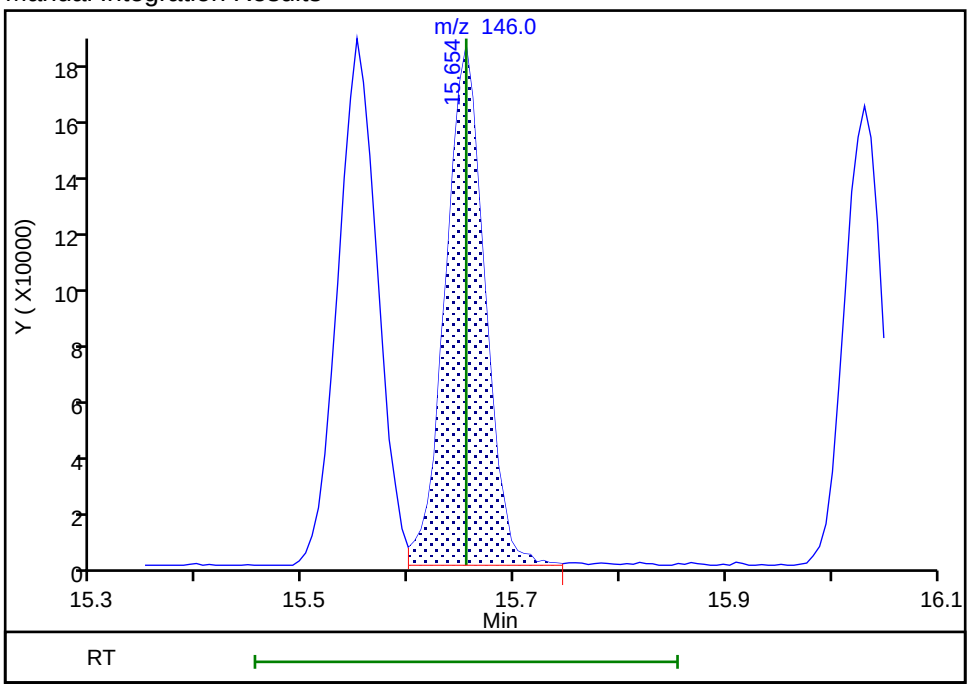
Processing Integration Results

RT: 15.78
Area: 1085
Amount: 0.103572
Amount Units: ng



Manual Integration Results

RT: 15.65
Area: 483459
Amount: 46.150105
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

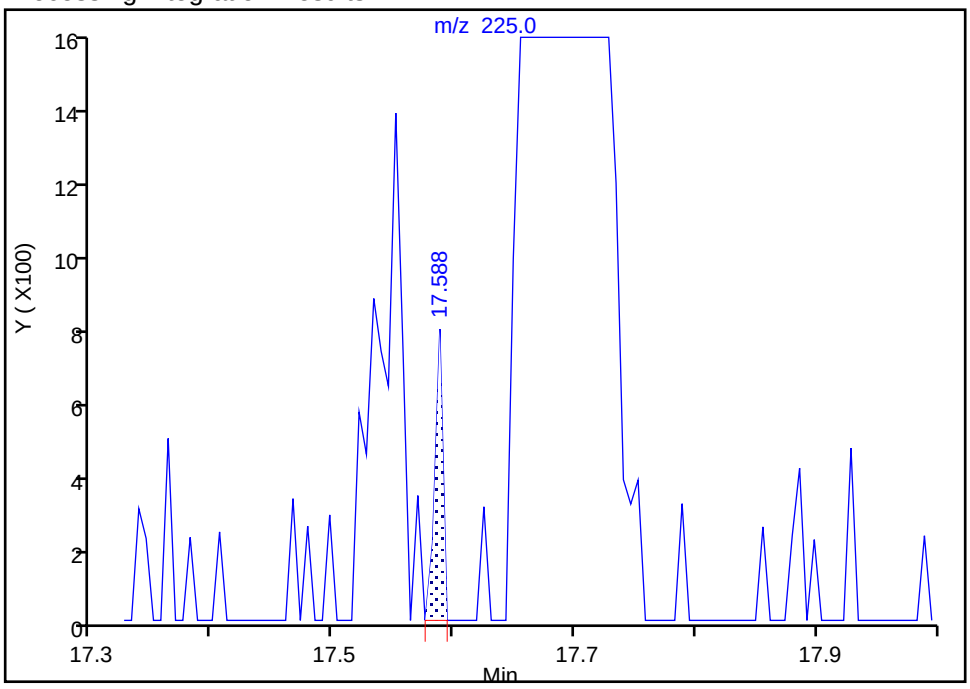
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122002.D				
Injection Date:	22-Nov-2021 12:50:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

123 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

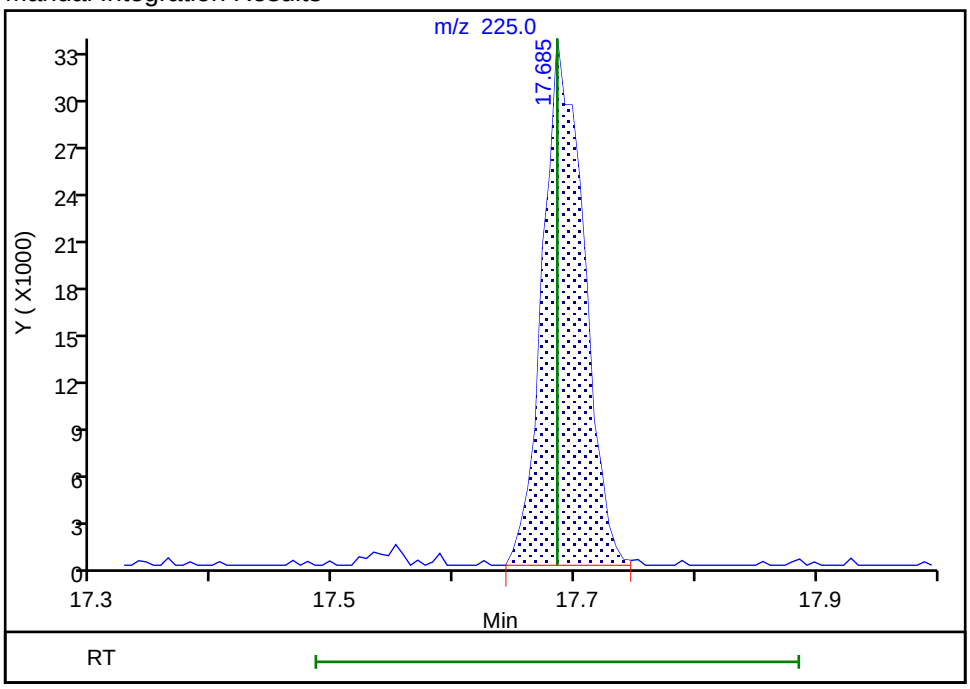
Processing Integration Results

RT: 17.59
Area: 348
Amount: -2.642856
Amount Units: ng



Manual Integration Results

RT: 17.69
Area: 79028
Amount: 65.184707
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 13:21:55

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380033/2 Calibration Date: 11/24/2021 09:32

Instrument ID: CHHP6 Calib Start Date: 04/13/2020 10:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/13/2020 13:43

Lab File ID: 61124002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Ave	0.1585	0.0631		7.96	20.0	40	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2021 09:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:14 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 24-Nov-2021 10:12:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	85	456942	1000.0	1000.0	sa
* 2 Fluorobenzene (IS)	96	10.161	10.161	0.000	67	1232084	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.245	13.245	0.000	89	248246	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.624	15.624	0.000	30	344969	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.449	9.449	0.000	94	293681	50.0	56.3	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	49	431252	50.0	53.1	
$ 7 Toluene-d8 (Surr)	98	11.767	11.767	0.000	95	1259319	50.0	56.6	a
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	396906	50.0	53.7	
11 Dichlorodifluoromethane	85	3.396	3.396	0.000	30	376645	50.0	44.1	
12 Chloromethane	50	3.816	3.816	0.000	31	530458	50.0	52.7	
13 Vinyl chloride	62	4.101	4.101	0.000	22	452236	50.0	53.9	
14 Butadiene	39	4.181	4.181	0.000	50	521627	50.0	52.2	
15 Bromomethane	94	4.795	4.795	0.000	41	196741	50.0	40.3	
16 Chloroethane	64	5.087	5.087	0.000	21	309143	50.0	54.1	
17 Dichlorofluoromethane	67	5.549	5.549	0.000	41	727500	50.0	54.6	
18 Trichlorofluoromethane	101	5.598	5.598	0.000	41	535728	50.0	46.4	
20 Ethyl ether	59	6.103	6.103	0.000	45	343244	50.0	56.7	
21 Acrolein	56	6.340	6.340	0.000	39	195191	150.0	186.9	
22 1,1-Dichloroethene	96	6.517	6.517	0.000	37	304208	50.0	55.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	324468	50.0	51.2	
24 Acetone	43	6.577	6.577	0.000	29	511576	150.0	196.7	
25 Iodomethane	142	6.754	6.754	0.000	37	414618	50.0	51.5	
26 Carbon disulfide	76	6.863	6.863	0.000	38	1008150	50.0	61.0	
30 Methyl acetate	43	7.064	7.064	0.000	46	1045252	100.0	190.7	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	25	180933	50.0	52.6	
31 Methylene Chloride	84	7.271	7.271	0.000	95	376325	50.0	49.3	a
32 2-Methyl-2-propanol	59	7.423	7.423	0.000	44	280720	500.0	525.2	
33 Acrylonitrile	53	7.606	7.606	0.000	43	1827318	500.0	621.1	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	48	799558	50.0	53.7	
34 trans-1,2-Dichloroethene	96	7.642	7.642	0.000	40	354246	50.0	50.4	
36 Hexane	57	8.001	8.001	0.000	16	682812	50.0	63.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.202	8.202	0.000	40	349111	50.0	37.8	
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	707457	50.0	53.2	
44 2-Butanone (MEK)	43	8.877	8.877	0.000	47	582037	150.0	172.7	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	45	352085	50.0	47.2	
42 2,2-Dichloropropane	97	8.907	8.907	0.000	46	67576	50.0	38.4	
48 Chlorobromomethane	128	9.175	9.175	0.000	25	172244	50.0	51.9	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	235918	100.0	130.8	
50 Chloroform	83	9.272	9.272	0.000	34	573031	50.0	46.7	
51 1,1,1-Trichloroethane	97	9.479	9.479	0.000	40	442204	50.0	42.3	
52 Cyclohexane	56	9.571	9.571	0.000	93	782018	50.0	60.8	a
54 1,1-Dichloropropene	75	9.644	9.644	0.000	68	434976	50.0	47.2	
53 Carbon tetrachloride	117	9.650	9.650	0.000	27	357427	50.0	42.5	
55 Isobutyl alcohol	41	9.686	9.686	0.000	89	322600	1250.0	1444.2	a
56 Benzene	78	9.863	9.863	0.000	96	1420580	50.0	49.7	a
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	536204	50.0	50.7	
59 n-Heptane	43	10.112	10.112	0.000	43	736025	50.0	97.0	
61 Trichloroethene	130	10.532	10.532	0.000	44	315833	50.0	46.4	
63 Methylcyclohexane	83	10.793	10.793	0.000	48	592247	50.0	56.2	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	75	412606	50.0	54.4	a
65 1,4-Dioxane	88	10.854	10.854	0.000	33	64505	1000.0	1123.6	
67 Dibromomethane	93	10.903	10.903	0.000	37	184977	50.0	51.0	
68 Dichlorobromomethane	83	11.055	11.055	0.000	31	399985	50.0	50.5	
70 2-Chloroethyl vinyl ether	63	11.292	11.292	0.000	34	155487	100.0	39.8	
71 cis-1,3-Dichloropropene	75	11.481	11.481	0.000	36	436387	50.0	56.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.590	11.590	0.000	46	811655	150.0	132.8	
73 Toluene	91	11.834	11.834	0.000	45	1463046	50.0	52.5	
75 Ethyl methacrylate	69	12.028	12.028	0.000	45	292125	50.0	57.0	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	35	408248	50.0	55.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	92	301348	50.0	55.9	
77 Tetrachloroethene	164	12.357	12.357	0.000	42	289967	50.0	54.7	
78 1,3-Dichloropropane	76	12.411	12.411	0.000	90	530894	50.0	53.6	a
79 2-Hexanone	43	12.411	12.411	0.000	33	632569	150.0	153.3	
81 Chlorodibromomethane	129	12.649	12.649	0.000	35	261317	50.0	57.0	
82 Ethylene Dibromide	107	12.795	12.795	0.000	34	257939	50.0	52.6	
84 Chlorobenzene	112	13.269	13.269	0.000	22	837675	50.0	50.2	
87 Ethylbenzene	106	13.330	13.330	0.000	98	467653	50.0	50.9	a
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	285822	50.0	52.9	
88 m-Xylene & p-Xylene	106	13.452	13.452	0.000	98	581425	50.0	48.9	a
89 o-Xylene	106	13.853	13.853	0.000	33	530314	50.0	56.3	
90 Styrene	104	13.872	13.872	0.000	49	820560	50.0	47.6	
91 Bromoform	173	14.103	14.103	0.000	39	142968	50.0	68.0	
93 Isopropylbenzene	105	14.212	14.212	0.000	47	1294940	50.0	45.3	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	305357	50.0	52.6	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	54	97691	50.0	66.5	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	110313	50.0	49.6	
95 Bromobenzene	156	14.589	14.589	0.000	46	312938	50.0	50.2	
99 N-Propylbenzene	120	14.626	14.626	0.000	34	391228	50.0	56.2	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	313104	50.0	51.5	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	1114245	50.0	50.3	
103 4-Chlorotoluene	126	14.887	14.887	0.000	39	309728	50.0	49.7	
104 tert-Butylbenzene	119	15.137	15.137	0.000	53	992909	50.0	54.2	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	43	1068389	50.0	49.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1359900	50.0	59.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	32	1038821	50.0	51.8	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	569010	50.0	50.2	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	517041	50.0	44.9	a
116 n-Butylbenzene	91	15.940	15.940	0.000	41	799689	50.0	58.5	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	97	458357	50.0	46.2	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.786	-0.007	71	21990	50.0	35.2	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	74278	50.0	29.4	
123 Hexachlorobutadiene	225	17.692	17.692	0.000	41	113116	50.0	85.9	
124 Naphthalene	128	17.874	17.874	0.000	20	86058	50.0	29.0	
125 1,2,3-Trichlorobenzene	180	18.100	18.100	0.000	36	44100	50.0	33.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	97.6	
S 131 Xylenes, Total	106				0		100.0	105.2	
S 154 Total BTEX	1				0		250.0	258.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	111.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL	
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL	
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL	
VOAVAPRI_00051	Amount Added:	2.00	Units: uL	
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL	
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

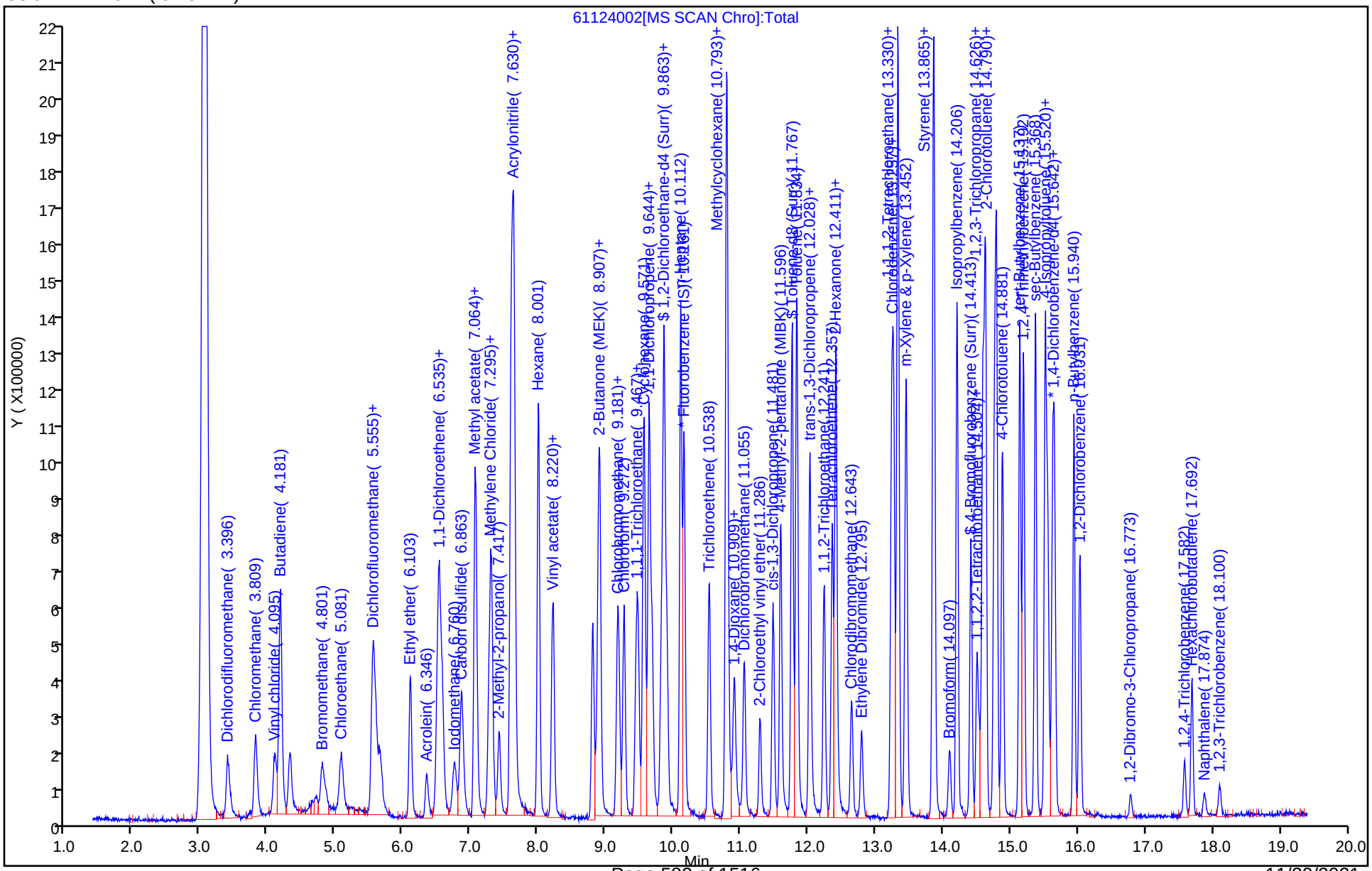
Report Date: 26-Nov-2021 11:21:17 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D

Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

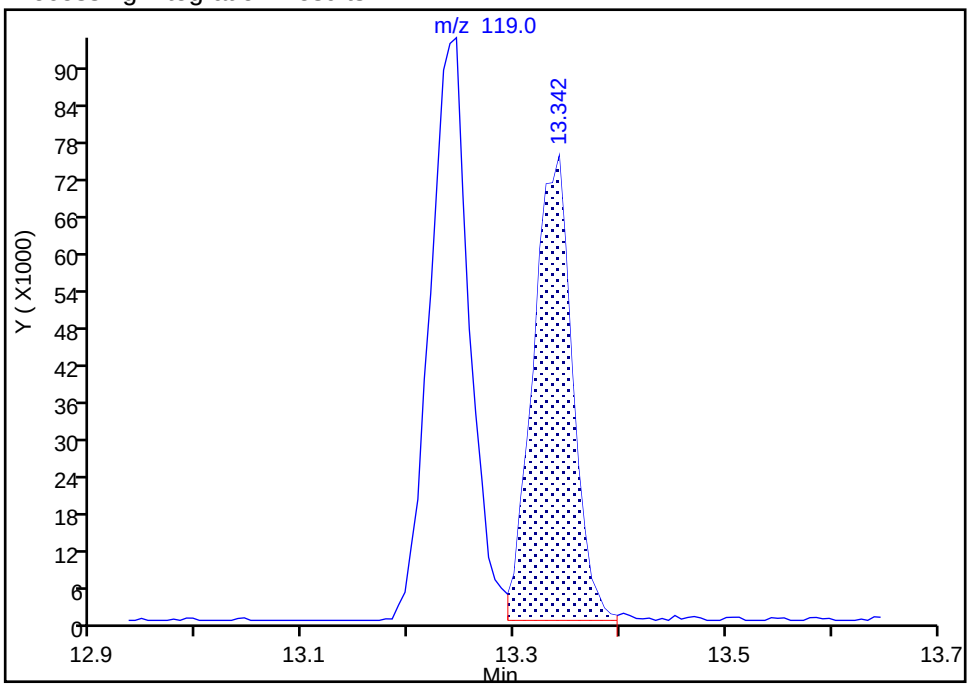
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

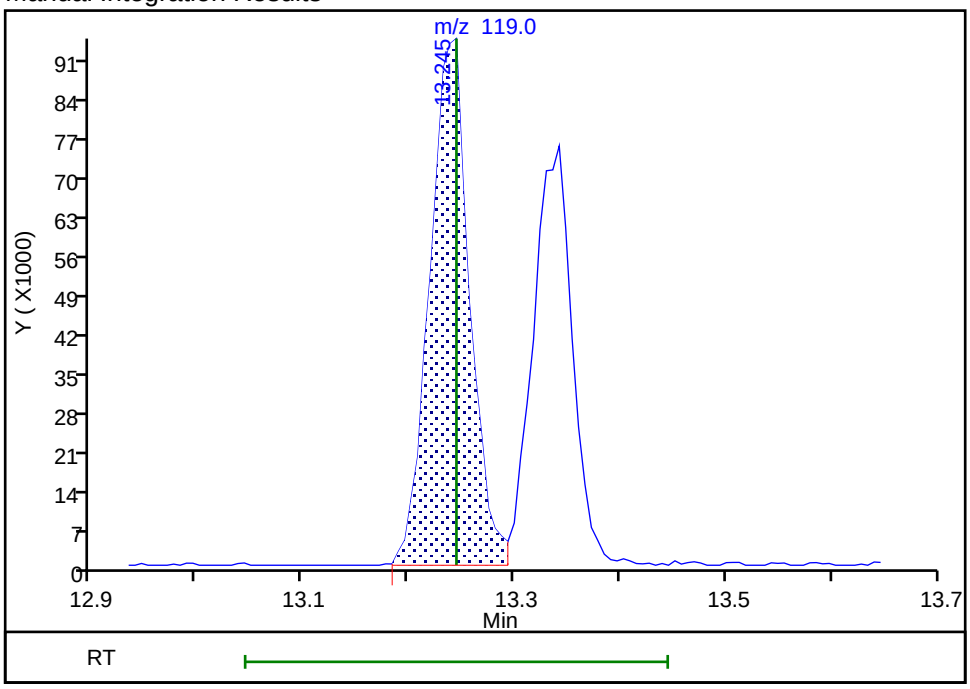
Processing Integration Results

RT: 13.34
Area: 195157
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 248246
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

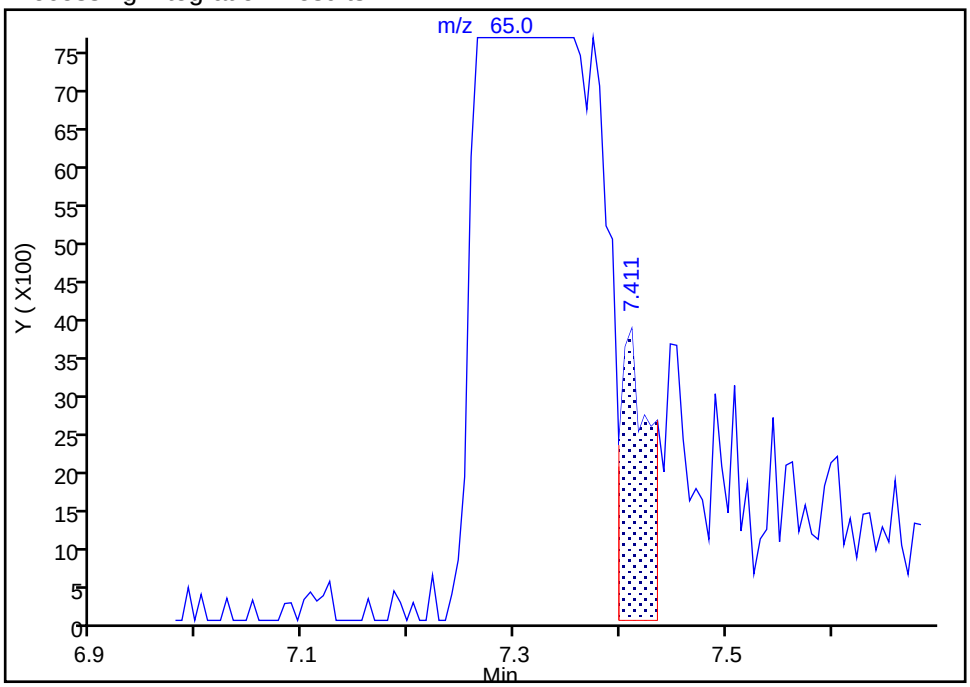
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

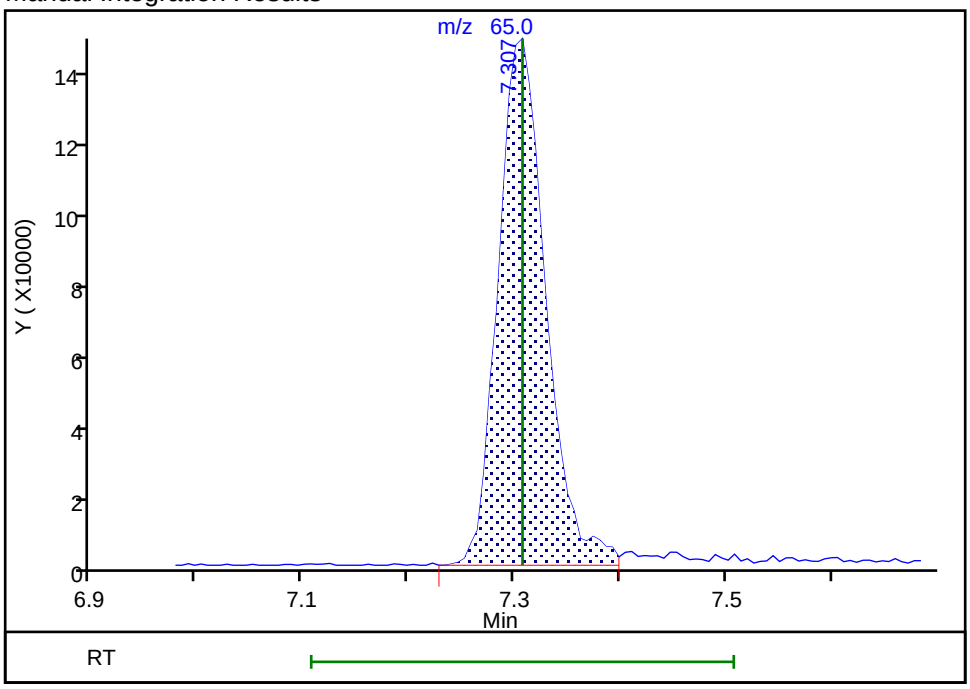
Processing Integration Results

RT: 7.41
Area: 7309
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 456942
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:26

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380033/2 Calibration Date: 11/24/2021 09:32

Instrument ID: CHHP6 Calib Start Date: 07/16/2020 11:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/16/2020 17:59

Lab File ID: 61124002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0424	0.0528		37.4	30.0	125	60-140
Vinyl acetate	Ave	0.3746	0.2833		7.56	10.0	76	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2021 09:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:14 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 24-Nov-2021 10:12:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	85	456942	1000.0	1000.0	sa
* 2 Fluorobenzene (IS)	96	10.161	10.161	0.000	67	1232084	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.245	13.245	0.000	89	248246	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.624	15.624	0.000	30	344969	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.449	9.449	0.000	94	293681	50.0	56.3	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	49	431252	50.0	53.1	
$ 7 Toluene-d8 (Surr)	98	11.767	11.767	0.000	95	1259319	50.0	56.6	a
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	396906	50.0	53.7	
11 Dichlorodifluoromethane	85	3.396	3.396	0.000	30	376645	50.0	44.1	
12 Chloromethane	50	3.816	3.816	0.000	31	530458	50.0	52.7	
13 Vinyl chloride	62	4.101	4.101	0.000	22	452236	50.0	53.9	
14 Butadiene	39	4.181	4.181	0.000	50	521627	50.0	52.2	
15 Bromomethane	94	4.795	4.795	0.000	41	196741	50.0	40.3	
16 Chloroethane	64	5.087	5.087	0.000	21	309143	50.0	54.1	
17 Dichlorofluoromethane	67	5.549	5.549	0.000	41	727500	50.0	54.6	
18 Trichlorofluoromethane	101	5.598	5.598	0.000	41	535728	50.0	46.4	
20 Ethyl ether	59	6.103	6.103	0.000	45	343244	50.0	56.7	
21 Acrolein	56	6.340	6.340	0.000	39	195191	150.0	186.9	
22 1,1-Dichloroethene	96	6.517	6.517	0.000	37	304208	50.0	55.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	324468	50.0	51.2	
24 Acetone	43	6.577	6.577	0.000	29	511576	150.0	196.7	
25 Iodomethane	142	6.754	6.754	0.000	37	414618	50.0	51.5	
26 Carbon disulfide	76	6.863	6.863	0.000	38	1008150	50.0	61.0	
30 Methyl acetate	43	7.064	7.064	0.000	46	1045252	100.0	190.7	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	25	180933	50.0	52.6	
31 Methylene Chloride	84	7.271	7.271	0.000	95	376325	50.0	49.3	a
32 2-Methyl-2-propanol	59	7.423	7.423	0.000	44	280720	500.0	525.2	
33 Acrylonitrile	53	7.606	7.606	0.000	43	1827318	500.0	621.1	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	48	799558	50.0	53.7	
34 trans-1,2-Dichloroethene	96	7.642	7.642	0.000	40	354246	50.0	50.4	
36 Hexane	57	8.001	8.001	0.000	16	682812	50.0	63.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.202	8.202	0.000	40	349111	50.0	37.8	
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	707457	50.0	53.2	
44 2-Butanone (MEK)	43	8.877	8.877	0.000	47	582037	150.0	172.7	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	45	352085	50.0	47.2	
42 2,2-Dichloropropane	97	8.907	8.907	0.000	46	67576	50.0	38.4	
48 Chlorobromomethane	128	9.175	9.175	0.000	25	172244	50.0	51.9	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	235918	100.0	130.8	
50 Chloroform	83	9.272	9.272	0.000	34	573031	50.0	46.7	
51 1,1,1-Trichloroethane	97	9.479	9.479	0.000	40	442204	50.0	42.3	
52 Cyclohexane	56	9.571	9.571	0.000	93	782018	50.0	60.8	a
54 1,1-Dichloropropene	75	9.644	9.644	0.000	68	434976	50.0	47.2	
53 Carbon tetrachloride	117	9.650	9.650	0.000	27	357427	50.0	42.5	
55 Isobutyl alcohol	41	9.686	9.686	0.000	89	322600	1250.0	1444.2	a
56 Benzene	78	9.863	9.863	0.000	96	1420580	50.0	49.7	a
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	536204	50.0	50.7	
59 n-Heptane	43	10.112	10.112	0.000	43	736025	50.0	97.0	
61 Trichloroethene	130	10.532	10.532	0.000	44	315833	50.0	46.4	
63 Methylcyclohexane	83	10.793	10.793	0.000	48	592247	50.0	56.2	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	75	412606	50.0	54.4	a
65 1,4-Dioxane	88	10.854	10.854	0.000	33	64505	1000.0	1123.6	
67 Dibromomethane	93	10.903	10.903	0.000	37	184977	50.0	51.0	
68 Dichlorobromomethane	83	11.055	11.055	0.000	31	399985	50.0	50.5	
70 2-Chloroethyl vinyl ether	63	11.292	11.292	0.000	34	155487	100.0	39.8	
71 cis-1,3-Dichloropropene	75	11.481	11.481	0.000	36	436387	50.0	56.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.590	11.590	0.000	46	811655	150.0	132.8	
73 Toluene	91	11.834	11.834	0.000	45	1463046	50.0	52.5	
75 Ethyl methacrylate	69	12.028	12.028	0.000	45	292125	50.0	57.0	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	35	408248	50.0	55.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	92	301348	50.0	55.9	
77 Tetrachloroethene	164	12.357	12.357	0.000	42	289967	50.0	54.7	
78 1,3-Dichloropropane	76	12.411	12.411	0.000	90	530894	50.0	53.6	a
79 2-Hexanone	43	12.411	12.411	0.000	33	632569	150.0	153.3	
81 Chlorodibromomethane	129	12.649	12.649	0.000	35	261317	50.0	57.0	
82 Ethylene Dibromide	107	12.795	12.795	0.000	34	257939	50.0	52.6	
84 Chlorobenzene	112	13.269	13.269	0.000	22	837675	50.0	50.2	
87 Ethylbenzene	106	13.330	13.330	0.000	98	467653	50.0	50.9	a
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	285822	50.0	52.9	
88 m-Xylene & p-Xylene	106	13.452	13.452	0.000	98	581425	50.0	48.9	a
89 o-Xylene	106	13.853	13.853	0.000	33	530314	50.0	56.3	
90 Styrene	104	13.872	13.872	0.000	49	820560	50.0	47.6	
91 Bromoform	173	14.103	14.103	0.000	39	142968	50.0	68.0	
93 Isopropylbenzene	105	14.212	14.212	0.000	47	1294940	50.0	45.3	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	305357	50.0	52.6	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	54	97691	50.0	66.5	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	110313	50.0	49.6	
95 Bromobenzene	156	14.589	14.589	0.000	46	312938	50.0	50.2	
99 N-Propylbenzene	120	14.626	14.626	0.000	34	391228	50.0	56.2	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	313104	50.0	51.5	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	1114245	50.0	50.3	
103 4-Chlorotoluene	126	14.887	14.887	0.000	39	309728	50.0	49.7	
104 tert-Butylbenzene	119	15.137	15.137	0.000	53	992909	50.0	54.2	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	43	1068389	50.0	49.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1359900	50.0	59.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	32	1038821	50.0	51.8	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	569010	50.0	50.2	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	517041	50.0	44.9	a
116 n-Butylbenzene	91	15.940	15.940	0.000	41	799689	50.0	58.5	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	97	458357	50.0	46.2	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.786	-0.007	71	21990	50.0	35.2	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	74278	50.0	29.4	
123 Hexachlorobutadiene	225	17.692	17.692	0.000	41	113116	50.0	85.9	
124 Naphthalene	128	17.874	17.874	0.000	20	86058	50.0	29.0	
125 1,2,3-Trichlorobenzene	180	18.100	18.100	0.000	36	44100	50.0	33.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	97.6	
S 131 Xylenes, Total	106				0		100.0	105.2	
S 154 Total BTEX	1				0		250.0	258.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	111.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

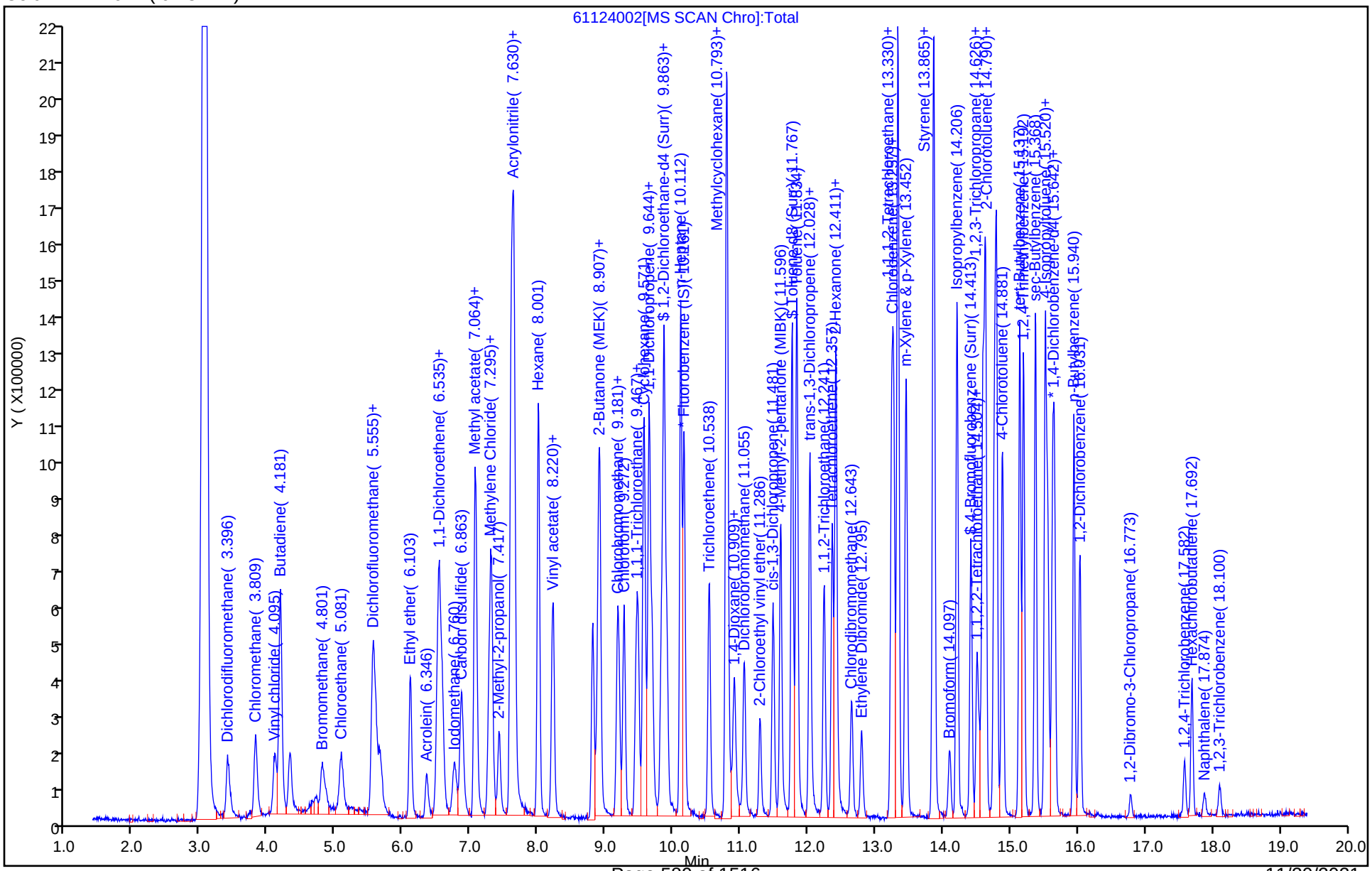
Report Date: 26-Nov-2021 11:21:17 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D

Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

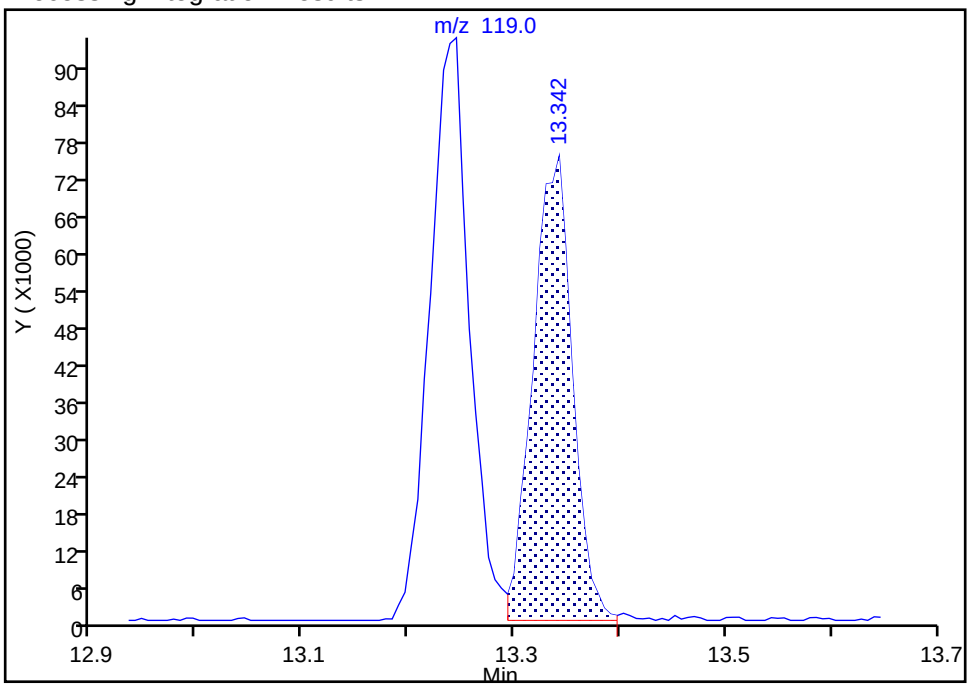
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

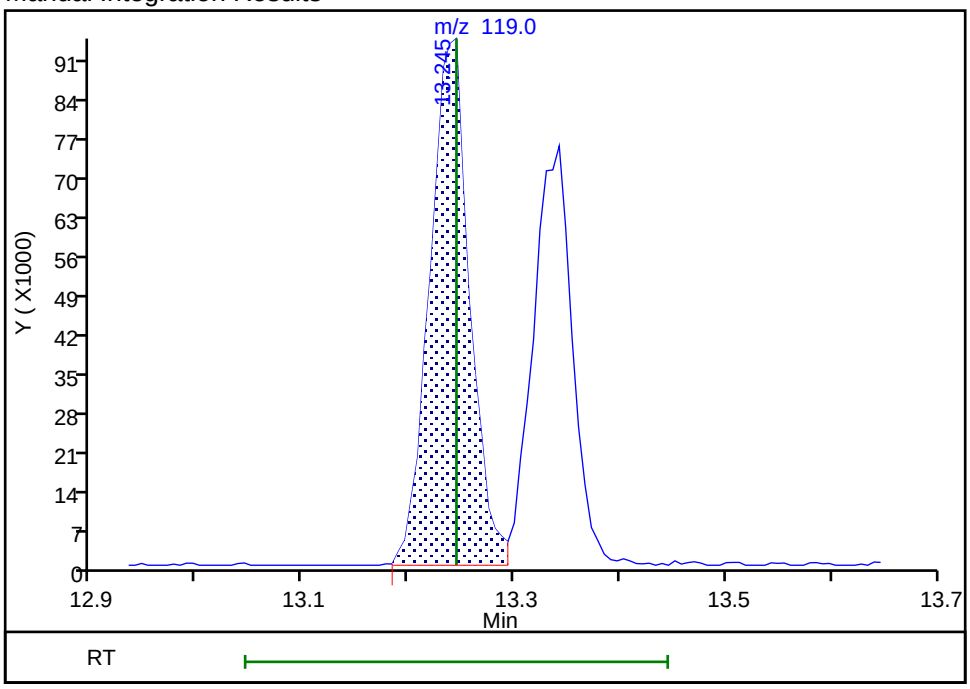
Processing Integration Results

RT: 13.34
Area: 195157
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 248246
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

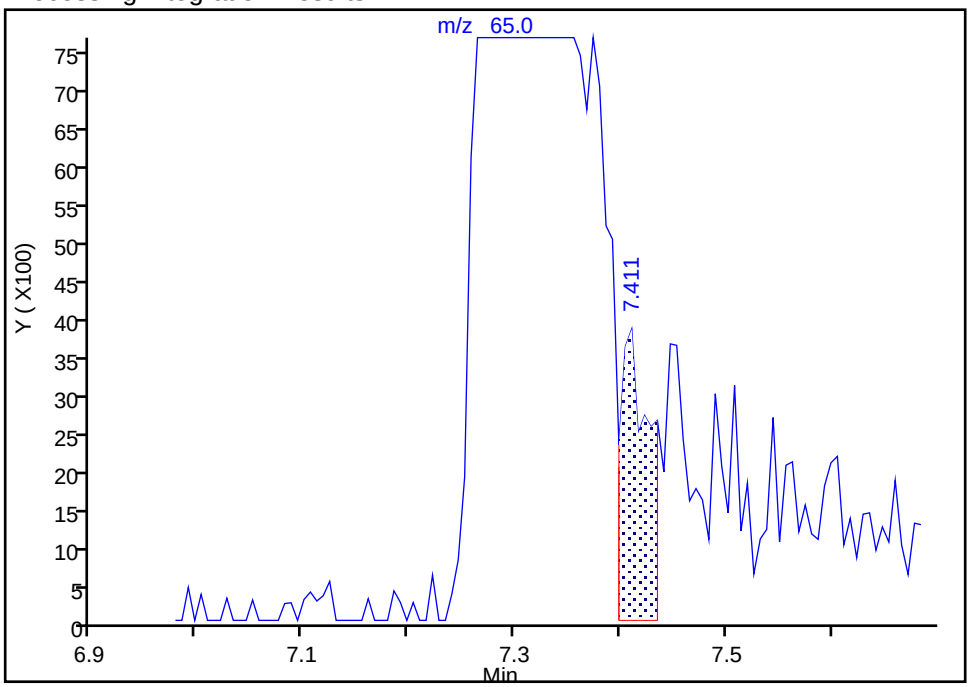
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

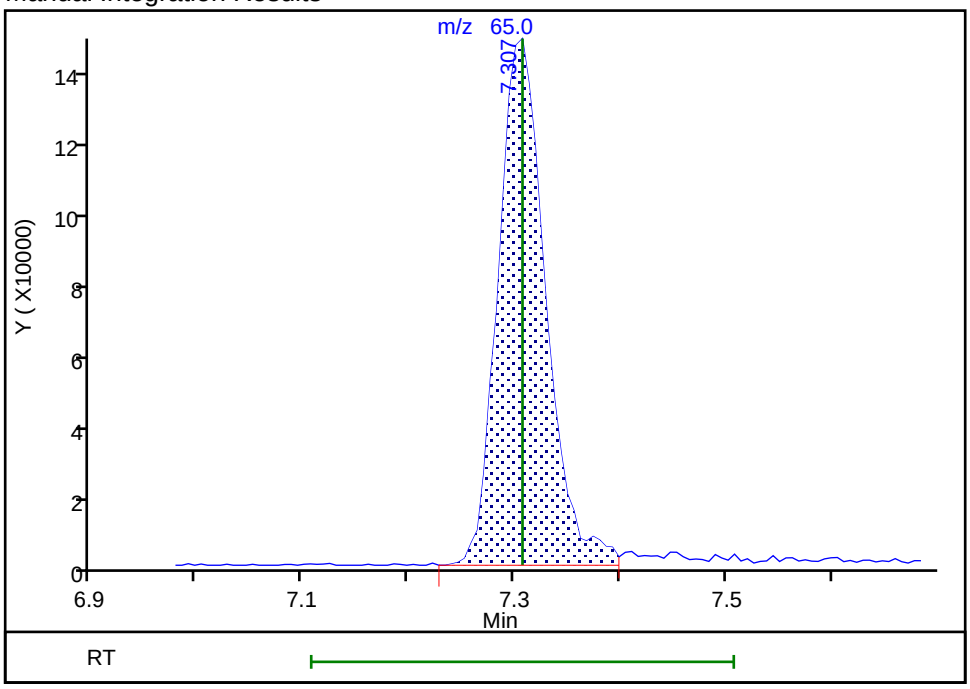
Processing Integration Results

RT: 7.41
Area: 7309
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 456942
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:26

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380033/2 Calibration Date: 11/24/2021 09:32

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61124002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.3057		8.82	10.0	88	16-157
Chloromethane	Ave	0.4085	0.4305	0.1000	10.5	10.0	105	10-170
Vinyl chloride	Ave	0.3407	0.3670		10.8	10.0	108	10-170
Bromomethane	Ave	0.1981	0.1597		8.06	10.0	81	15-170
Chloroethane	Ave	0.2319	0.2509		10.8	10.0	108	40-160
Dichlorofluoromethane	Ave	0.5408	0.5905		10.9	10.0	109	39-150
Trichlorofluoromethane	Ave	0.4682	0.4348		9.29	10.0	93	50-150
Ethyl ether	Ave	0.2455	0.2786		11.3	10.0	113	35-134
1,1-Dichloroethene	Ave	0.2213	0.2469		11.2	10.0	112	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.2633		10.2	10.0	102	49-150
Acetone	Ave	0.1055	0.1384		39.3	30.0	131	10-170
Iodomethane	Ave	0.3266	0.3365		10.3	10.0	103	49-155
Carbon disulfide	Ave	0.6703	0.8182		12.2	10.0	122	50-152
Methyl acetate	Ave	0.2225	0.4242		38.1	20.0	191*	10-170
3-Chloro-1-propene	Ave	0.1397	0.1469		10.5	10.0	105	53-137
Methylene Chloride	Lin1		0.3054		9.86	10.0	99	60-140
2-Methyl-2-propanol	Ave	1.170	1.229		105	100	105	56-129
Acrylonitrile	Ave	0.1194	0.1483		124	100	124	60-140
Methyl tert-butyl ether	Ave	0.6047	0.6489		10.7	10.0	107	40-162
trans-1,2-Dichloroethene	Ave	0.2851	0.2875		10.1	10.0	101	70-130
Hexane	Ave	0.4360	0.5542		12.7	10.0	127	31-148
1,1-Dichloroethane	Ave	0.5400	0.5742	0.1000	10.6	10.0	106	70-130
2-Butanone (MEK)	Ave	0.1368	0.1575		34.5	30.0	115	10-170
2,2-Dichloropropane	Ave	0.0714	0.0548		7.68	10.0	77	42-144
cis-1,2-Dichloroethene	Ave	0.3026	0.2858		9.44	10.0	94	67-124
Chlorobromomethane	Ave	0.1346	0.1398		10.4	10.0	104	55-147
Tetrahydrofuran	Ave	0.0732	0.0957		26.2	20.0	131	10-170
Chloroform	Ave	0.4974	0.4651		9.35	10.0	93	70-135
1,1,1-Trichloroethane	Ave	0.4241	0.3589		8.46	10.0	85	70-130
Cyclohexane	Ave	0.5222	0.6347		12.2	10.0	122	36-150
1,1-Dichloropropene	Ave	0.3739	0.3530		9.44	10.0	94	57-132
Carbon tetrachloride	Ave	0.3412	0.2901		8.50	10.0	85	70-130
Isobutyl alcohol	Ave	0.0091	0.0105		289	250	116	10-170
Benzene	Ave	1.159	1.153		9.95	10.0	99	65-135
1,2-Dichloroethane	Ave	0.4295	0.4352		10.1	10.0	101	70-130
Trichloroethene	Ave	0.2764	0.2563		9.27	10.0	93	65-135
Methylcyclohexane	Lin1		0.4807		11.2	10.0	112	30-170
1,2-Dichloropropane	Ave	0.3079	0.3349		10.9	10.0	109	35-165
1,4-Dioxane	Ave	0.0023	0.0026		225	200	112	10-170
Dibromomethane	Ave	0.1471	0.1501		10.2	10.0	102	48-151

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380033/2 Calibration Date: 11/24/2021 09:32

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61124002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.3246		10.1	10.0	101	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3542		11.2	10.0	112	25-170
4-Methyl-2-pentanone (MIBK)	Lin2		1.090		26.6	30.0	89	12-152
Toluene	Ave	5.610	5.894		10.5	10.0	105	70-130
Ethyl methacrylate	Qua1		1.177		11.4	10.0	114	37-166
trans-1,3-Dichloropropene	Ave	1.484	1.645		11.1	10.0	111	50-150
1,1,2-Trichloroethane	Ave	1.085	1.214		11.2	10.0	112	70-130
Tetrachloroethene	Ave	1.068	1.168		10.9	10.0	109	70-130
1,3-Dichloropropane	Ave	1.996	2.139		10.7	10.0	107	50-134
2-Hexanone	Lin2		0.8494		30.7	30.0	102	10-157
Chlorodibromomethane	Ave	0.9234	1.053		11.4	10.0	114	70-135
Ethylene Dibromide	Ave	0.9882	1.039		10.5	10.0	105	46-138
Chlorobenzene	Ave	3.359	3.374	0.3000	10.0	10.0	100	65-135
Ethylbenzene	Lin1		1.884		10.2	10.0	102	60-140
1,1,1,2-Tetrachloroethane	Ave	1.088	1.151		10.6	10.0	106	66-137
m-Xylene & p-Xylene	Lin1		2.342		9.77	10.0	98	60-130
o-Xylene	Ave	1.897	2.136		11.3	10.0	113	62-133
Styrene	Lin1		3.305		9.52	10.0	95	64-119
Bromoform	Ave	0.4232	0.5759	0.1000	13.6	10.0	136*	70-130
Isopropylbenzene	Lin2		5.216		9.05	10.0	91	47-143
1,1,2,2-Tetrachloroethane	Ave	1.169	1.230	0.3000	10.5	10.0	105	60-140
trans-1,4-Dichloro-2-butene	Lin1		0.2832		13.3	10.0	133	10-170
1,2,3-Trichloropropane	Ave	0.3221	0.3198		9.93	10.0	99	30-142
Bromobenzene	Ave	0.9030	0.9071		10.0	10.0	100	64-131
N-Propylbenzene	Lin2		1.134		11.2	10.0	112	37-166
2-Chlorotoluene	Ave	0.8817	0.9076		10.3	10.0	103	48-145
1,3,5-Trimethylbenzene	Lin2		3.230		10.1	10.0	101	50-150
4-Chlorotoluene	Ave	0.9038	0.8978		9.93	10.0	99	53-140
tert-Butylbenzene	Lin2		2.878		10.8	10.0	108	19-170
1,2,4-Trimethylbenzene	Lin2		3.097		9.82	10.0	98	37-147
sec-Butylbenzene	Lin2		3.942		11.9	10.0	119	20-170
4-Isopropyltoluene	Lin1		3.011		10.4	10.0	104	19-170
1,3-Dichlorobenzene	Ave	1.643	1.649		10.0	10.0	100	70-130
1,4-Dichlorobenzene	Ave	1.667	1.499		8.99	10.0	90	65-135
n-Butylbenzene	Lin1		2.318		11.7	10.0	117	10-170
1,2-Dichlorobenzene	Ave	1.438	1.329		9.24	10.0	92	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0637		7.03	10.0	70	10-170
1,2,4-Trichlorobenzene	Ave	0.3663	0.2153		5.88	10.0	59	10-170
Hexachlorobutadiene	Lin2		0.3279		17.2	10.0	172*	10-170
Naphthalene	Qua1		0.2495		5.81	10.0	58	10-170
1,2,3-Trichlorobenzene	Ave	0.1916	0.1278		6.67	10.0	67	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380033/2 Calibration Date: 11/24/2021 09:32

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61124002.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
Dibromofluoromethane (Surr)	Ave	0.2118	0.2384		11.3	10.0	12.6	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3500		10.6	10.0	6.3	
Toluene-d8 (Surr)	Ave	4.481	5.073		11.3	10.0	13.2	
4-Bromofluorobenzene (Surr)	Ave	1.487	1.599		10.7	10.0	7.5	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2021 09:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:14 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 24-Nov-2021 10:12:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	85	456942	1000.0	1000.0	sa
* 2 Fluorobenzene (IS)	96	10.161	10.161	0.000	67	1232084	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.245	13.245	0.000	89	248246	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.624	15.624	0.000	30	344969	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.449	9.449	0.000	94	293681	50.0	56.3	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	49	431252	50.0	53.1	
$ 7 Toluene-d8 (Surr)	98	11.767	11.767	0.000	95	1259319	50.0	56.6	a
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	396906	50.0	53.7	
11 Dichlorodifluoromethane	85	3.396	3.396	0.000	30	376645	50.0	44.1	
12 Chloromethane	50	3.816	3.816	0.000	31	530458	50.0	52.7	
13 Vinyl chloride	62	4.101	4.101	0.000	22	452236	50.0	53.9	
14 Butadiene	39	4.181	4.181	0.000	50	521627	50.0	52.2	
15 Bromomethane	94	4.795	4.795	0.000	41	196741	50.0	40.3	
16 Chloroethane	64	5.087	5.087	0.000	21	309143	50.0	54.1	
17 Dichlorofluoromethane	67	5.549	5.549	0.000	41	727500	50.0	54.6	
18 Trichlorofluoromethane	101	5.598	5.598	0.000	41	535728	50.0	46.4	
20 Ethyl ether	59	6.103	6.103	0.000	45	343244	50.0	56.7	
21 Acrolein	56	6.340	6.340	0.000	39	195191	150.0	186.9	
22 1,1-Dichloroethene	96	6.517	6.517	0.000	37	304208	50.0	55.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	324468	50.0	51.2	
24 Acetone	43	6.577	6.577	0.000	29	511576	150.0	196.7	
25 Iodomethane	142	6.754	6.754	0.000	37	414618	50.0	51.5	
26 Carbon disulfide	76	6.863	6.863	0.000	38	1008150	50.0	61.0	
30 Methyl acetate	43	7.064	7.064	0.000	46	1045252	100.0	190.7	
29 3-Chloro-1-propene	76	7.082	7.082	0.000	25	180933	50.0	52.6	
31 Methylene Chloride	84	7.271	7.271	0.000	95	376325	50.0	49.3	a
32 2-Methyl-2-propanol	59	7.423	7.423	0.000	44	280720	500.0	525.2	
33 Acrylonitrile	53	7.606	7.606	0.000	43	1827318	500.0	621.1	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	48	799558	50.0	53.7	
34 trans-1,2-Dichloroethene	96	7.642	7.642	0.000	40	354246	50.0	50.4	
36 Hexane	57	8.001	8.001	0.000	16	682812	50.0	63.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.202	8.202	0.000	40	349111	50.0	37.8	
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	707457	50.0	53.2	
44 2-Butanone (MEK)	43	8.877	8.877	0.000	47	582037	150.0	172.7	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	45	352085	50.0	47.2	
42 2,2-Dichloropropane	97	8.907	8.907	0.000	46	67576	50.0	38.4	
48 Chlorobromomethane	128	9.175	9.175	0.000	25	172244	50.0	51.9	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	235918	100.0	130.8	
50 Chloroform	83	9.272	9.272	0.000	34	573031	50.0	46.7	
51 1,1,1-Trichloroethane	97	9.479	9.479	0.000	40	442204	50.0	42.3	
52 Cyclohexane	56	9.571	9.571	0.000	93	782018	50.0	60.8	a
54 1,1-Dichloropropene	75	9.644	9.644	0.000	68	434976	50.0	47.2	
53 Carbon tetrachloride	117	9.650	9.650	0.000	27	357427	50.0	42.5	
55 Isobutyl alcohol	41	9.686	9.686	0.000	89	322600	1250.0	1444.2	a
56 Benzene	78	9.863	9.863	0.000	96	1420580	50.0	49.7	a
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	536204	50.0	50.7	
59 n-Heptane	43	10.112	10.112	0.000	43	736025	50.0	97.0	
61 Trichloroethene	130	10.532	10.532	0.000	44	315833	50.0	46.4	
63 Methylcyclohexane	83	10.793	10.793	0.000	48	592247	50.0	56.2	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	75	412606	50.0	54.4	a
65 1,4-Dioxane	88	10.854	10.854	0.000	33	64505	1000.0	1123.6	
67 Dibromomethane	93	10.903	10.903	0.000	37	184977	50.0	51.0	
68 Dichlorobromomethane	83	11.055	11.055	0.000	31	399985	50.0	50.5	
70 2-Chloroethyl vinyl ether	63	11.292	11.292	0.000	34	155487	100.0	39.8	
71 cis-1,3-Dichloropropene	75	11.481	11.481	0.000	36	436387	50.0	56.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.590	11.590	0.000	46	811655	150.0	132.8	
73 Toluene	91	11.834	11.834	0.000	45	1463046	50.0	52.5	
75 Ethyl methacrylate	69	12.028	12.028	0.000	45	292125	50.0	57.0	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	35	408248	50.0	55.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	92	301348	50.0	55.9	
77 Tetrachloroethene	164	12.357	12.357	0.000	42	289967	50.0	54.7	
78 1,3-Dichloropropane	76	12.411	12.411	0.000	90	530894	50.0	53.6	a
79 2-Hexanone	43	12.411	12.411	0.000	33	632569	150.0	153.3	
81 Chlorodibromomethane	129	12.649	12.649	0.000	35	261317	50.0	57.0	
82 Ethylene Dibromide	107	12.795	12.795	0.000	34	257939	50.0	52.6	
84 Chlorobenzene	112	13.269	13.269	0.000	22	837675	50.0	50.2	
87 Ethylbenzene	106	13.330	13.330	0.000	98	467653	50.0	50.9	a
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	285822	50.0	52.9	
88 m-Xylene & p-Xylene	106	13.452	13.452	0.000	98	581425	50.0	48.9	a
89 o-Xylene	106	13.853	13.853	0.000	33	530314	50.0	56.3	
90 Styrene	104	13.872	13.872	0.000	49	820560	50.0	47.6	
91 Bromoform	173	14.103	14.103	0.000	39	142968	50.0	68.0	
93 Isopropylbenzene	105	14.212	14.212	0.000	47	1294940	50.0	45.3	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	305357	50.0	52.6	
97 trans-1,4-Dichloro-2-butene	53	14.535	14.535	0.000	54	97691	50.0	66.5	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	110313	50.0	49.6	
95 Bromobenzene	156	14.589	14.589	0.000	46	312938	50.0	50.2	
99 N-Propylbenzene	120	14.626	14.626	0.000	34	391228	50.0	56.2	
100 2-Chlorotoluene	126	14.766	14.766	0.000	42	313104	50.0	51.5	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	1114245	50.0	50.3	
103 4-Chlorotoluene	126	14.887	14.887	0.000	39	309728	50.0	49.7	
104 tert-Butylbenzene	119	15.137	15.137	0.000	53	992909	50.0	54.2	
106 1,2,4-Trimethylbenzene	105	15.192	15.192	0.000	43	1068389	50.0	49.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1359900	50.0	59.3	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	32	1038821	50.0	51.8	
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	569010	50.0	50.2	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	517041	50.0	44.9	a
116 n-Butylbenzene	91	15.940	15.940	0.000	41	799689	50.0	58.5	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	97	458357	50.0	46.2	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.786	-0.007	71	21990	50.0	35.2	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	31	74278	50.0	29.4	
123 Hexachlorobutadiene	225	17.692	17.692	0.000	41	113116	50.0	85.9	
124 Naphthalene	128	17.874	17.874	0.000	20	86058	50.0	29.0	
125 1,2,3-Trichlorobenzene	180	18.100	18.100	0.000	36	44100	50.0	33.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	97.6	
S 131 Xylenes, Total	106				0		100.0	105.2	
S 154 Total BTEX	1				0		250.0	258.3	
S 132 1,3-Dichloropropene, Total	1				0		100.0	111.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

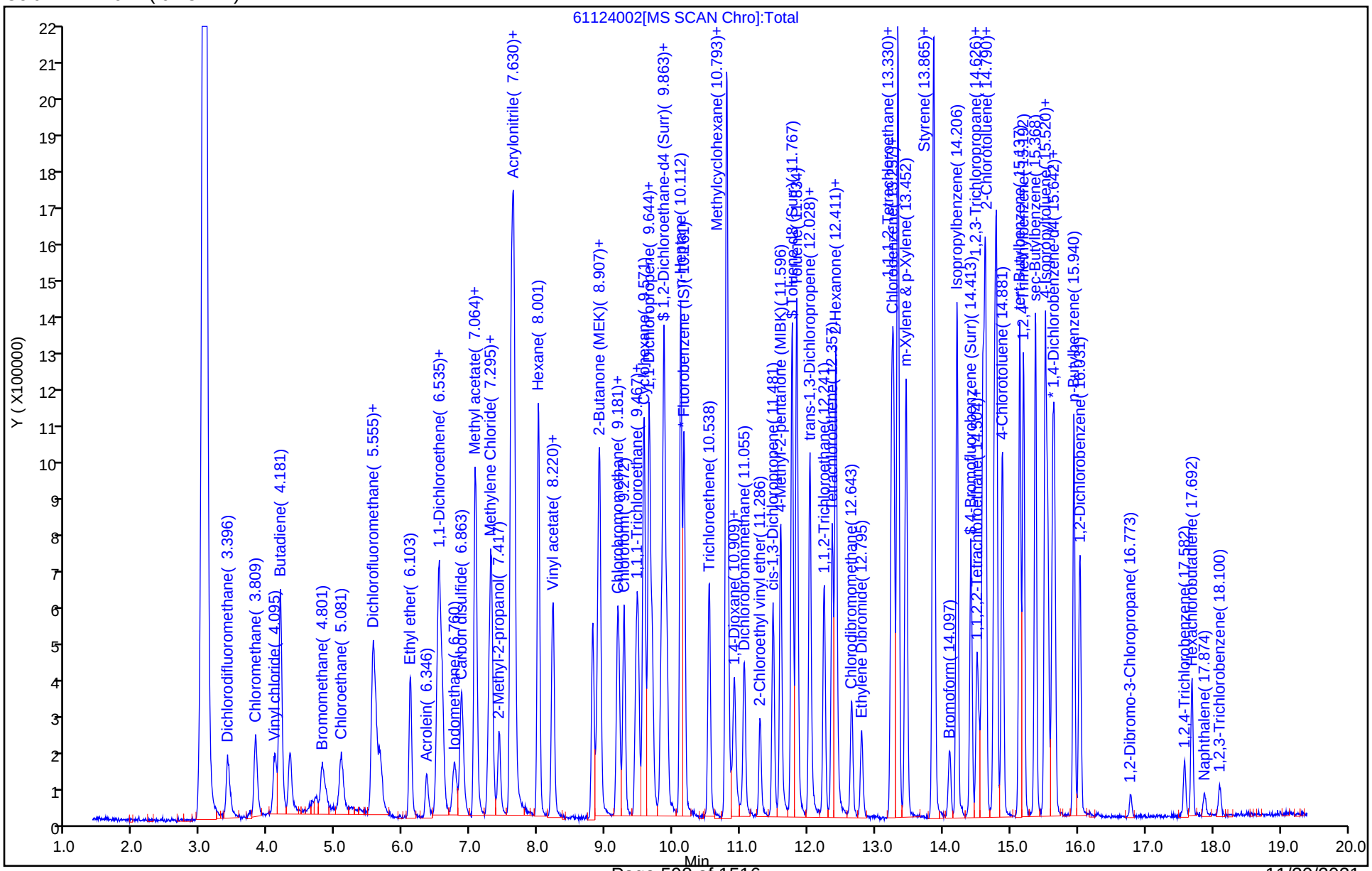
Report Date: 26-Nov-2021 11:21:17 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D

Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

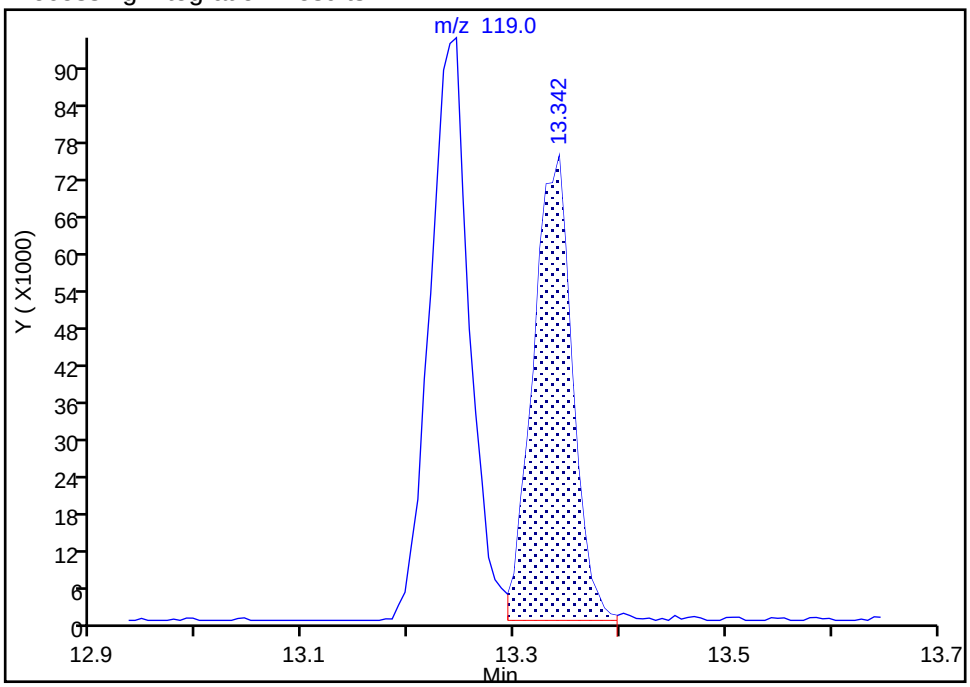
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

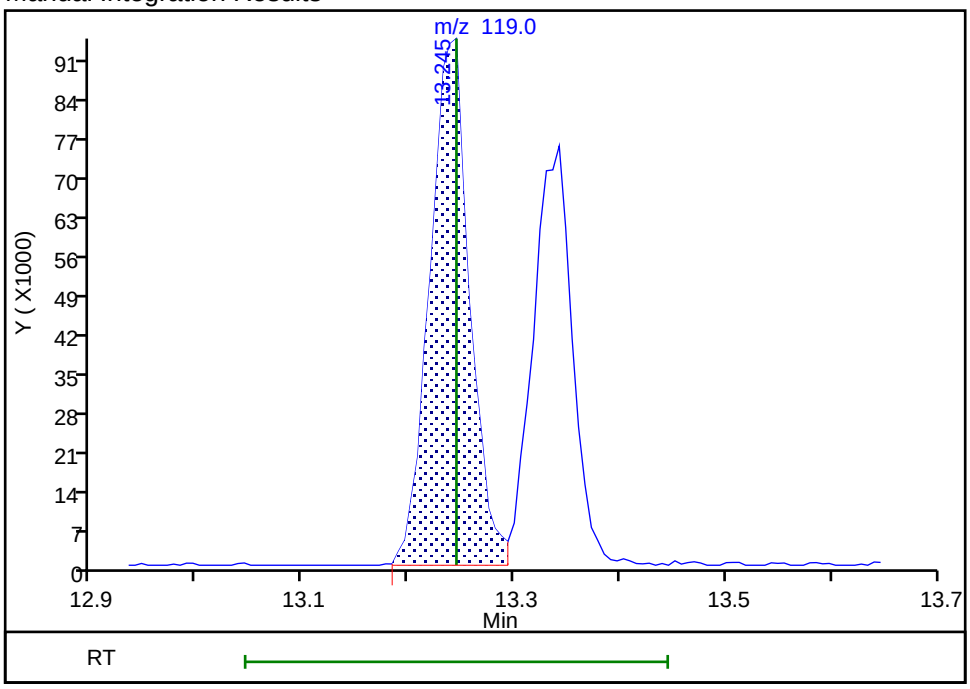
Processing Integration Results

RT: 13.34
Area: 195157
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 248246
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

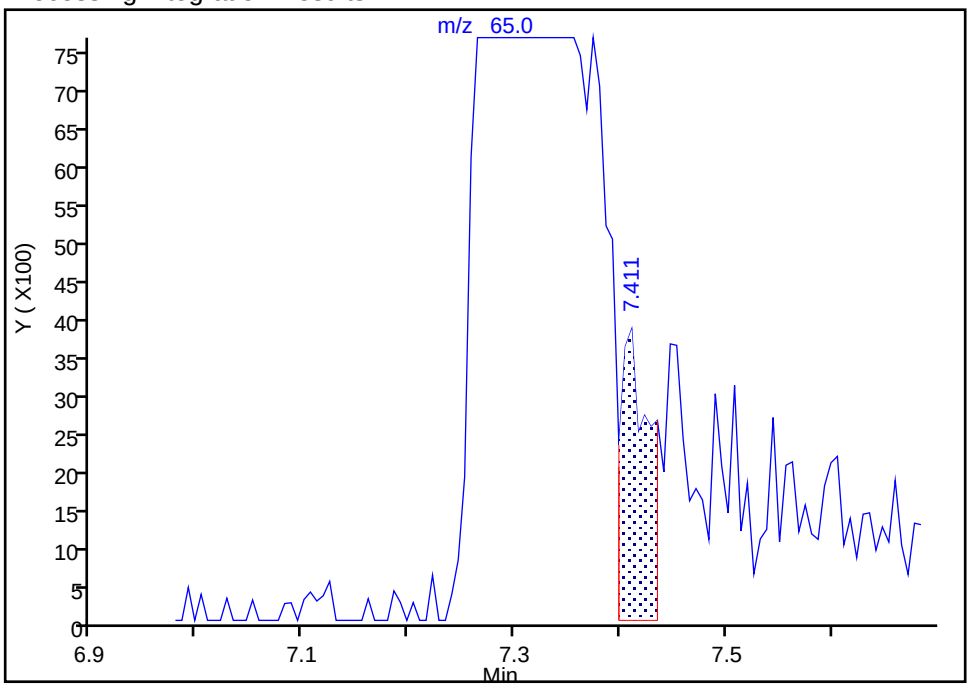
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 1 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

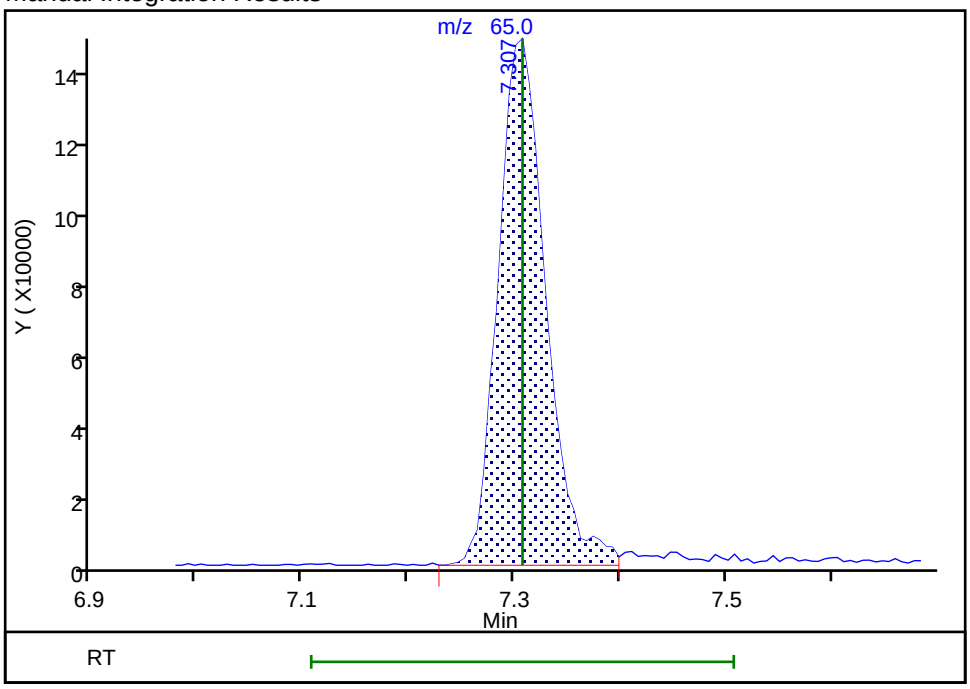
Processing Integration Results

RT: 7.41
Area: 7309
Amount: 1000.0000
Amount Units: ng



Manual Integration Results

RT: 7.31
Area: 456942
Amount: 1000.0000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Pittsburgh

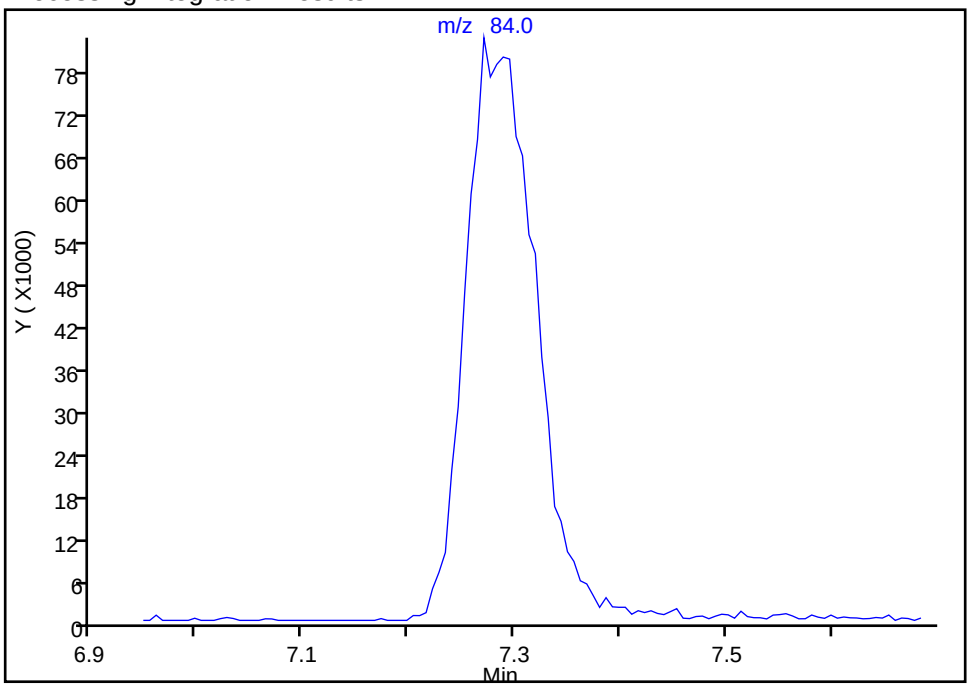
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

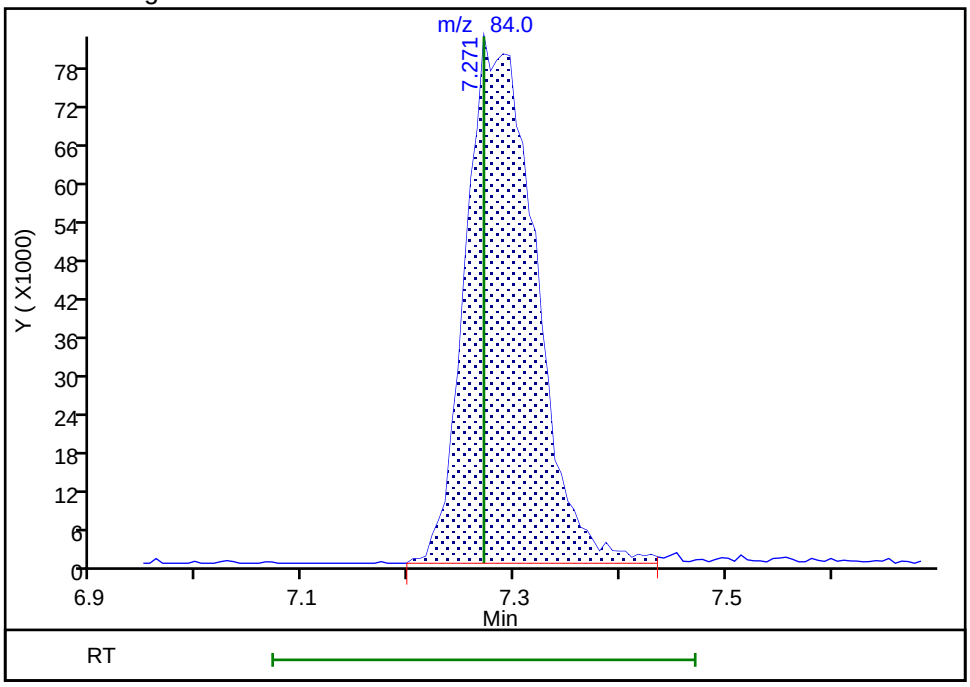
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.27
Area: 376325
Amount: 49.288259
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

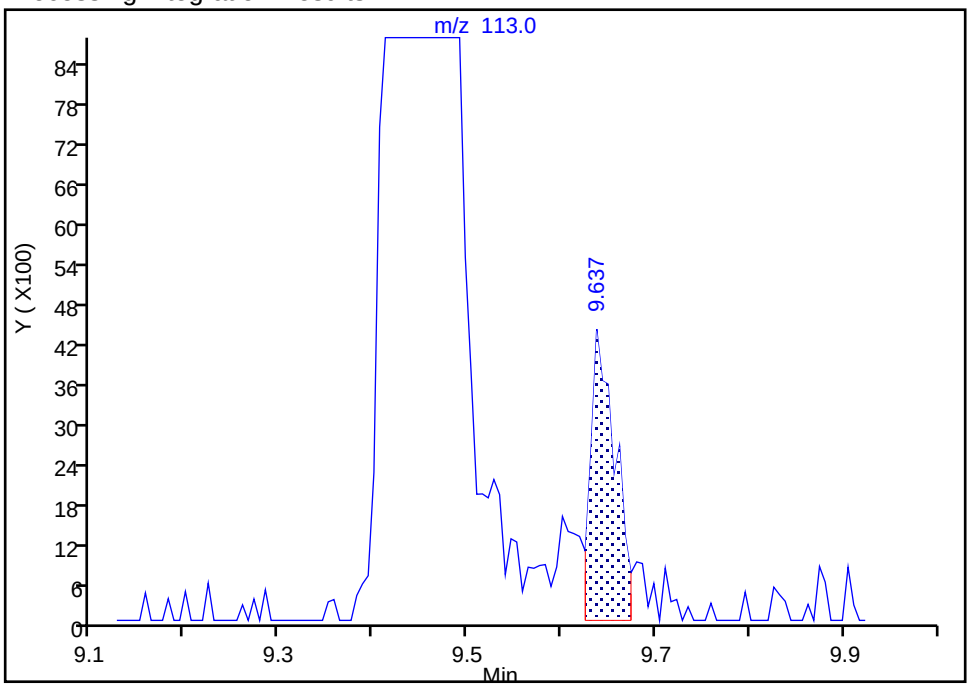
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 5 Dibromofluoromethane (Surr), CAS: 1868-53-7

Signal: 1

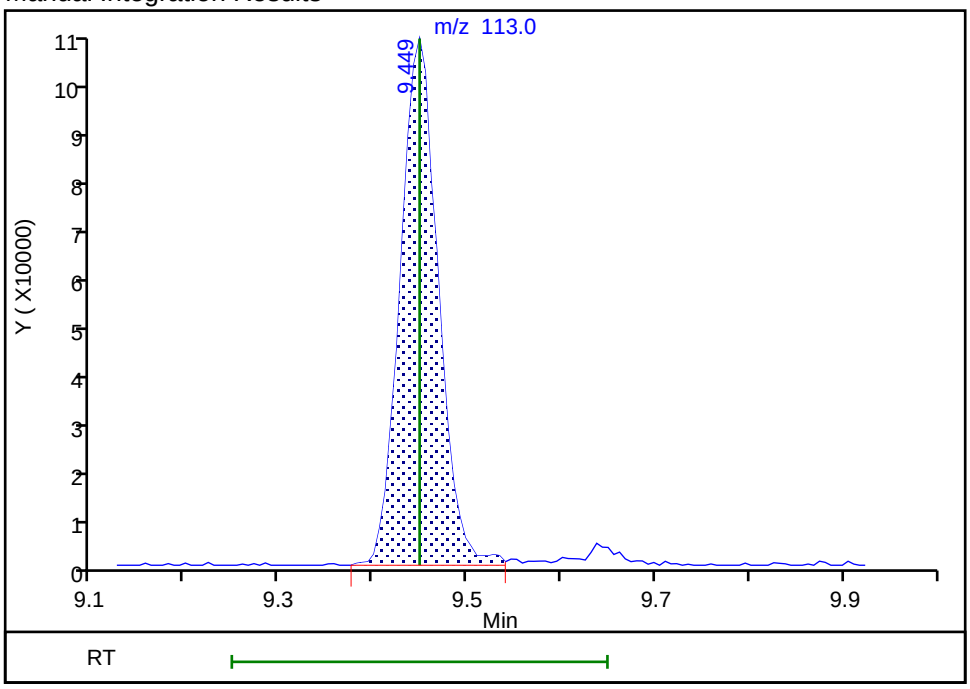
Processing Integration Results

RT: 9.64
Area: 7948
Amount: 1.523041
Amount Units: ng



Manual Integration Results

RT: 9.45
Area: 293681
Amount: 56.276806
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

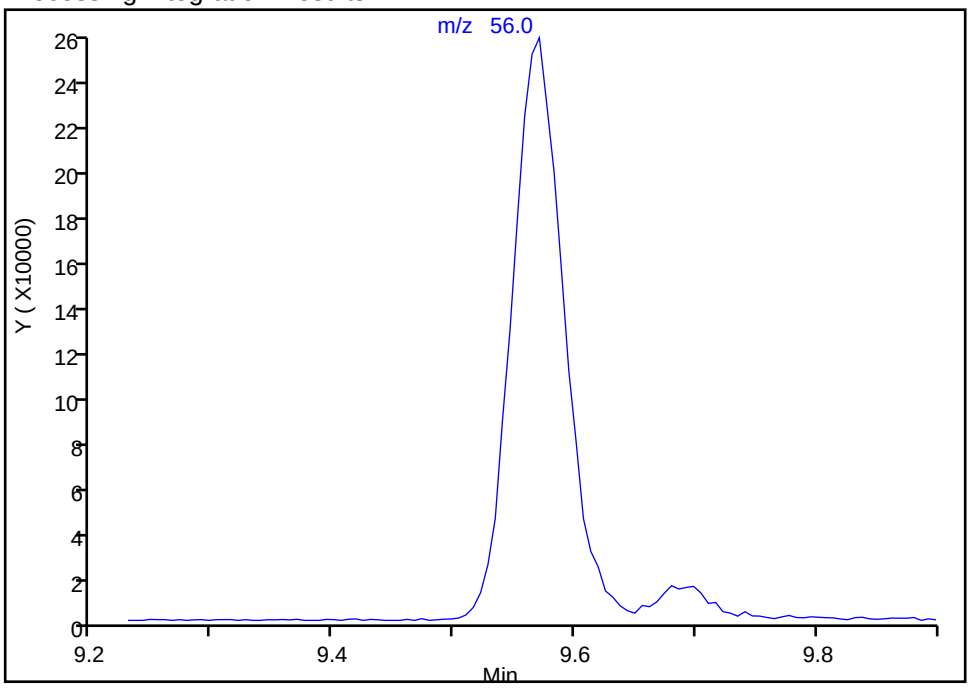
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

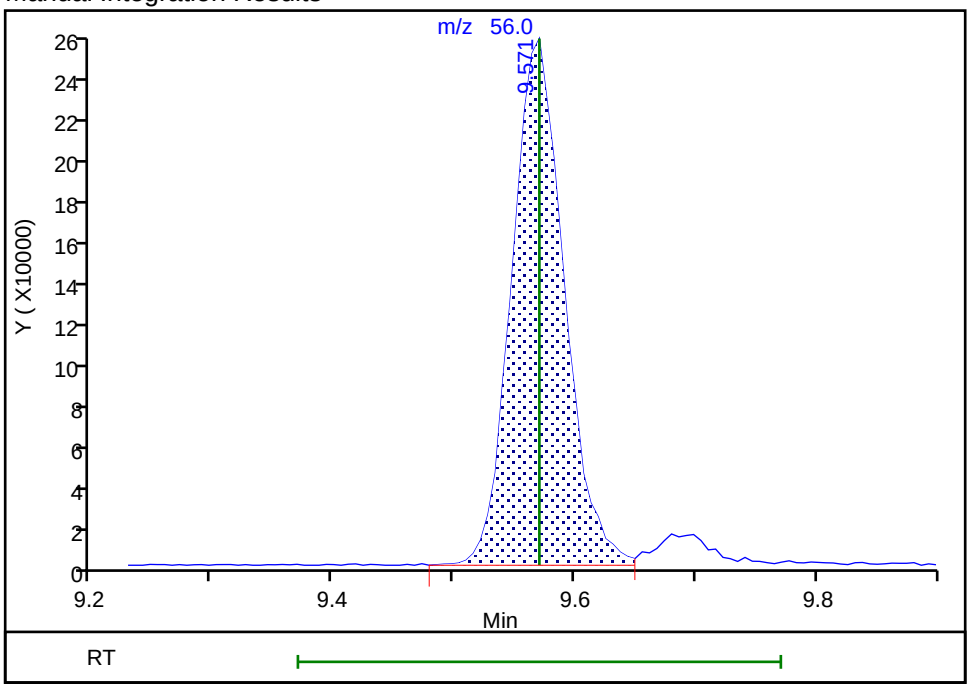
Not Detected
Expected RT: 9.57

Processing Integration Results



Manual Integration Results

RT: 9.57
Area: 782018
Amount: 60.770737
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:09:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

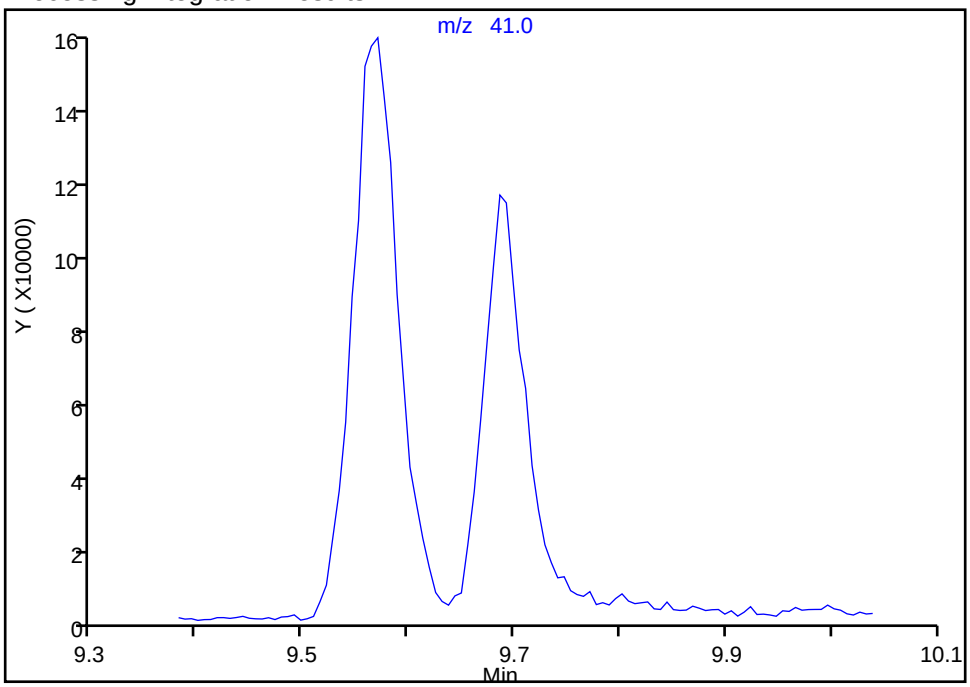
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

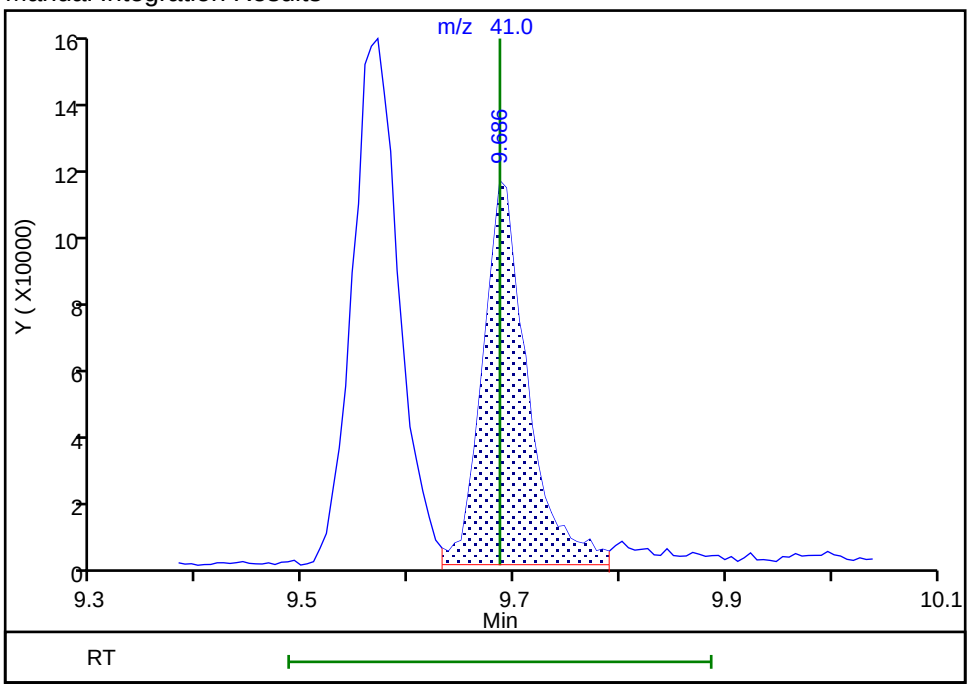
Not Detected
Expected RT: 9.69

Processing Integration Results



Manual Integration Results

RT: 9.69
Area: 322600
Amount: 1444.2149
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:09:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

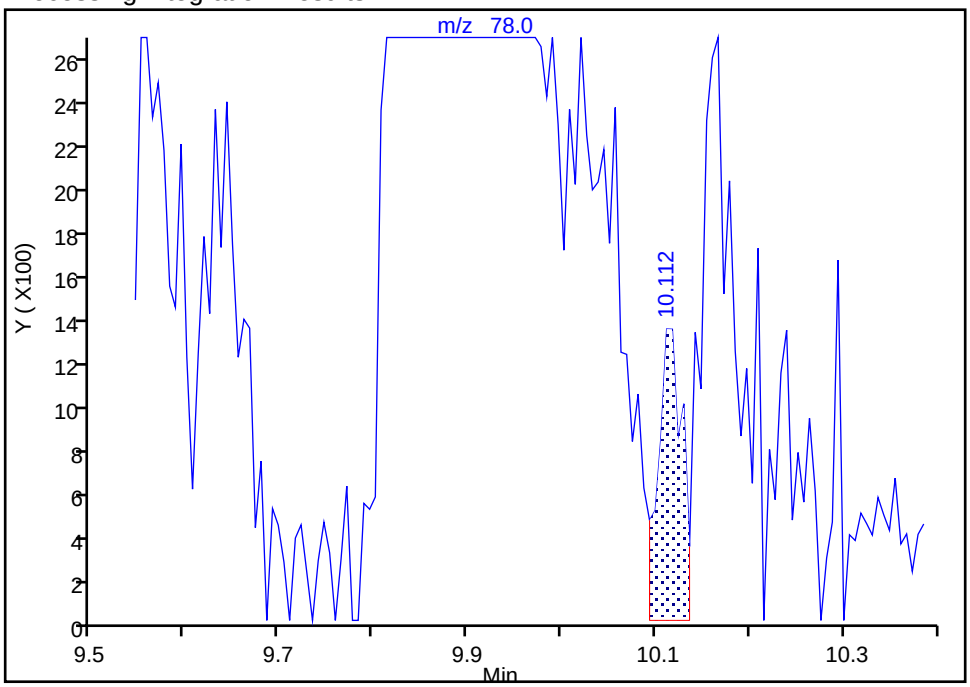
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

56 Benzene, CAS: 71-43-2

Signal: 1

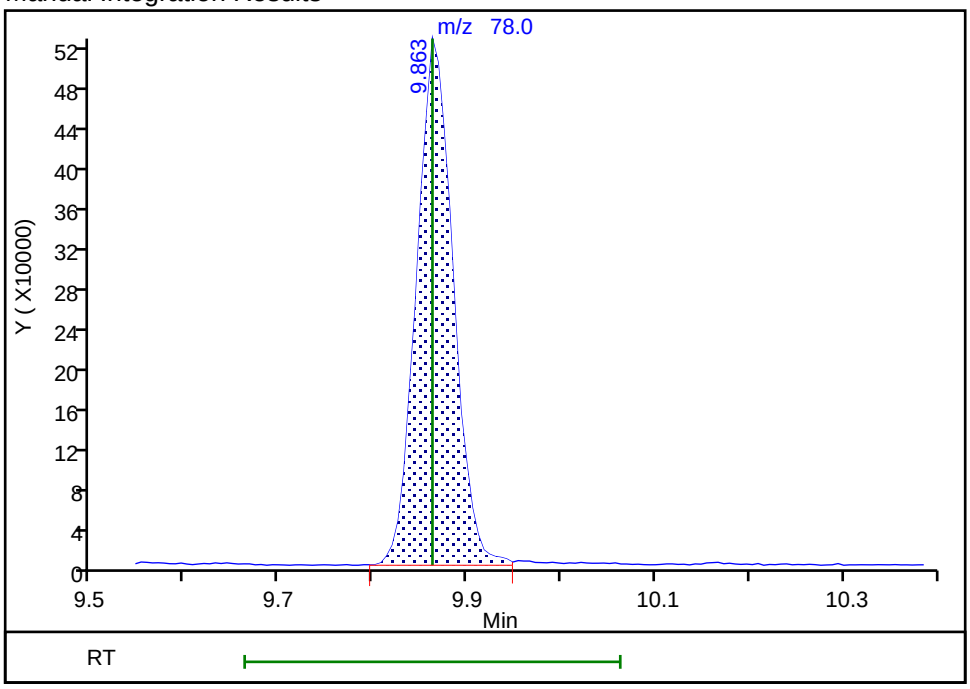
Processing Integration Results

RT: 10.11
Area: 2438
Amount: 0.085370
Amount Units: ng



Manual Integration Results

RT: 9.86
Area: 1420580
Amount: 49.743725
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

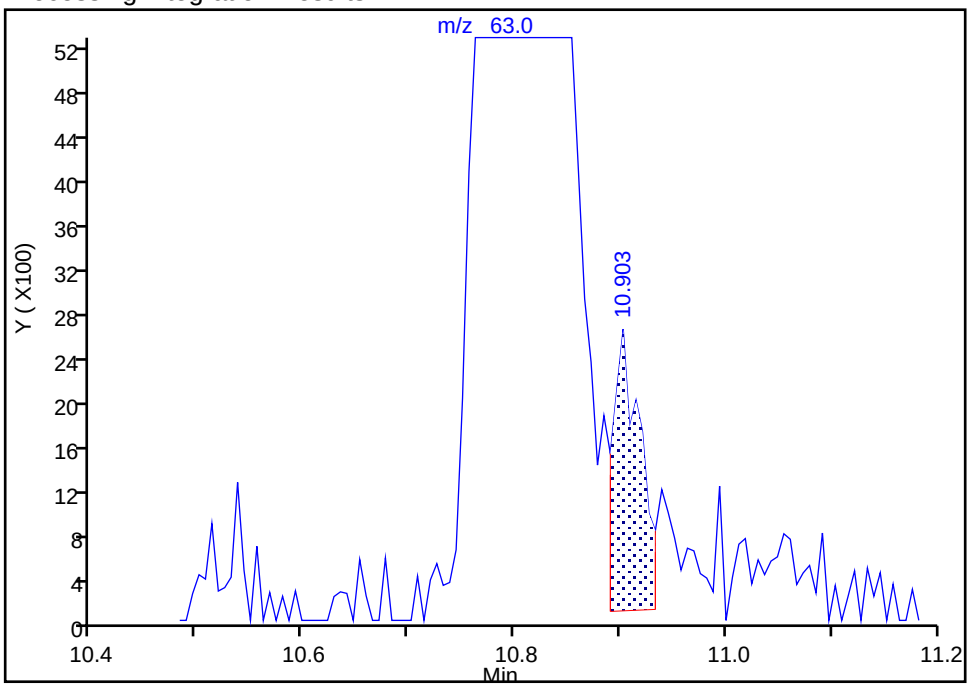
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

64 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

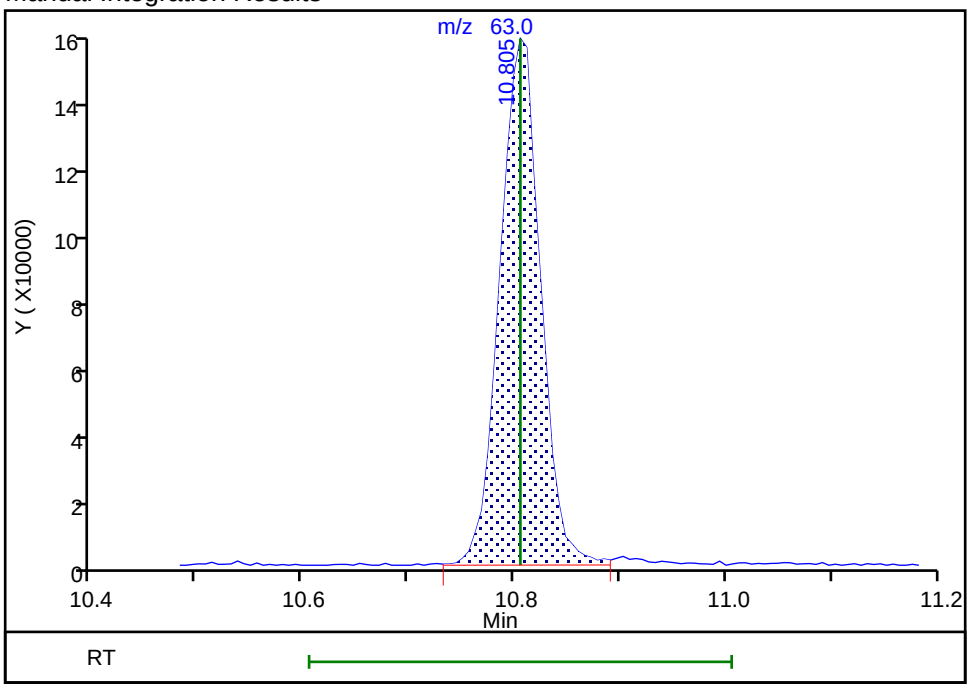
Processing Integration Results

RT: 10.90
Area: 4593
Amount: 0.605335
Amount Units: ng



Manual Integration Results

RT: 10.81
Area: 412606
Amount: 54.379434
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:50

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

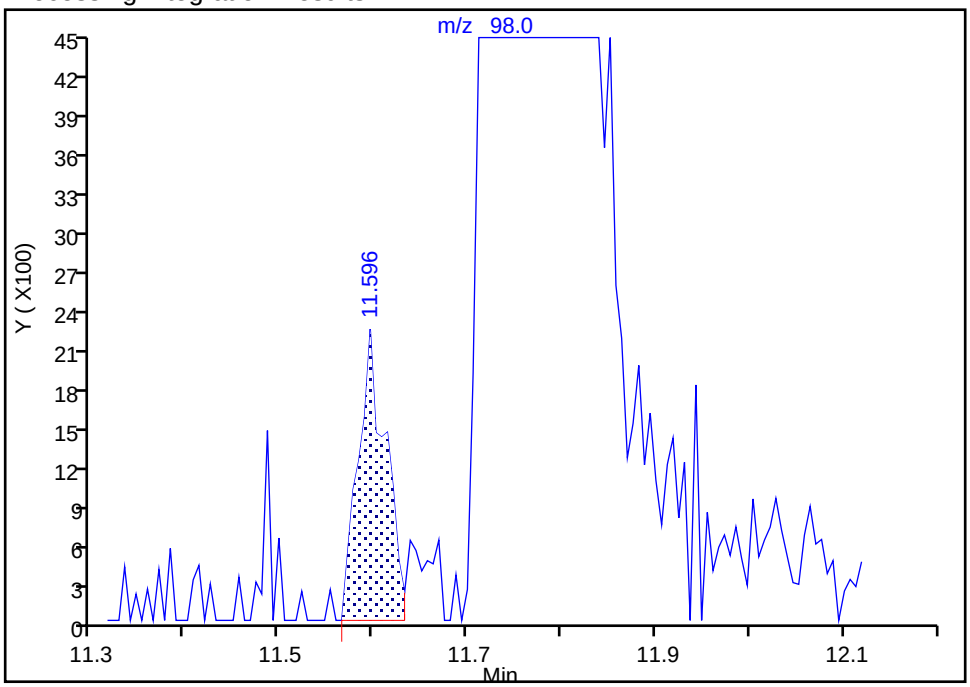
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 7 Toluene-d8 (Surr), CAS: 2037-26-5

Signal: 1

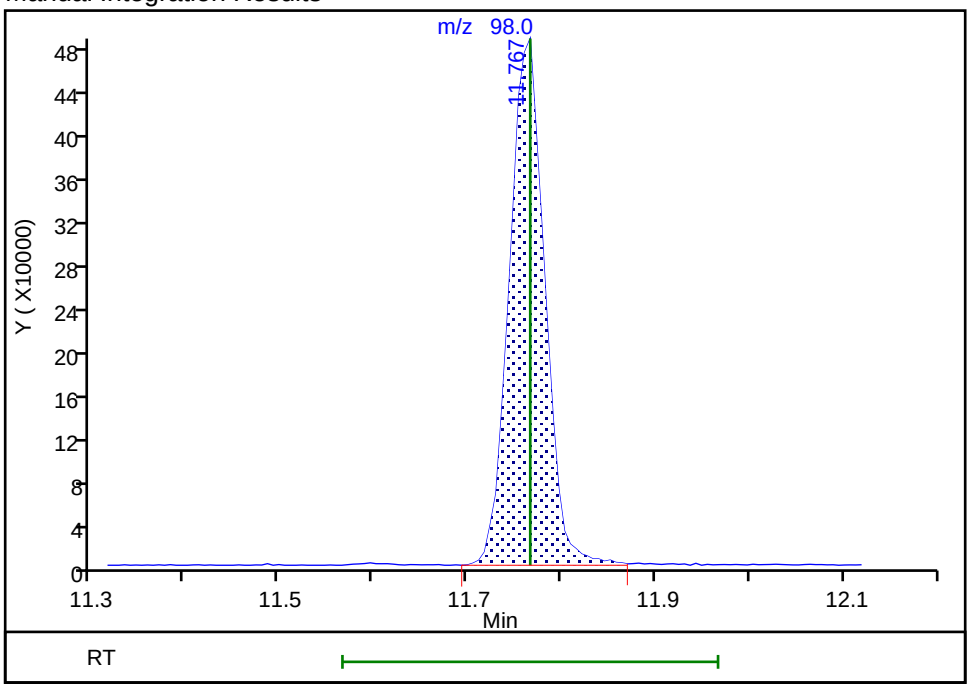
Processing Integration Results

RT: 11.60
Area: 4539
Amount: 0.259505
Amount Units: ng



Manual Integration Results

RT: 11.77
Area: 1259319
Amount: 56.600852
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

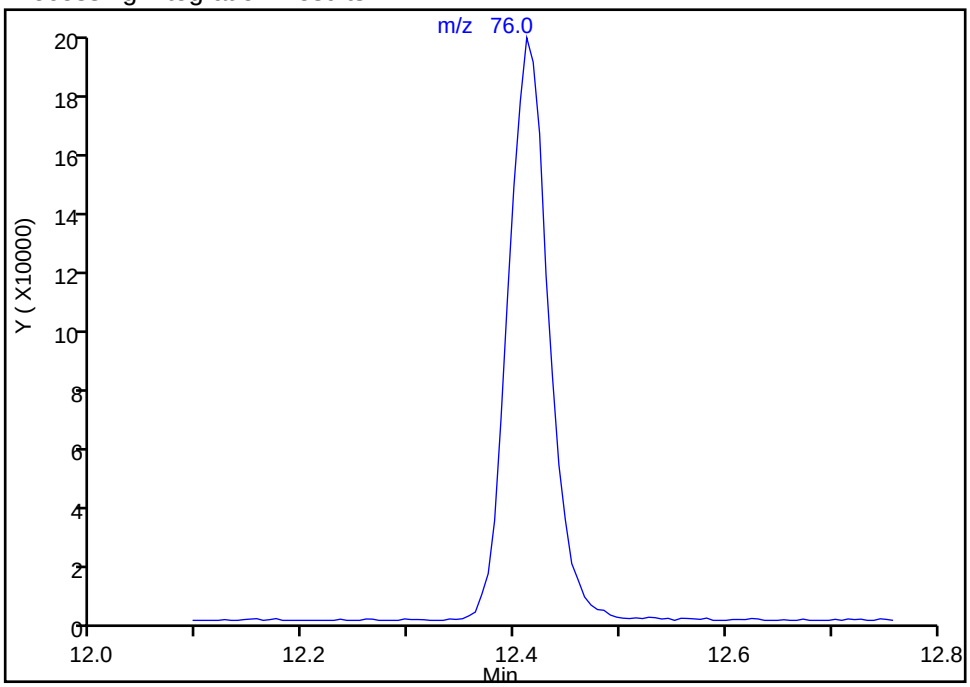
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

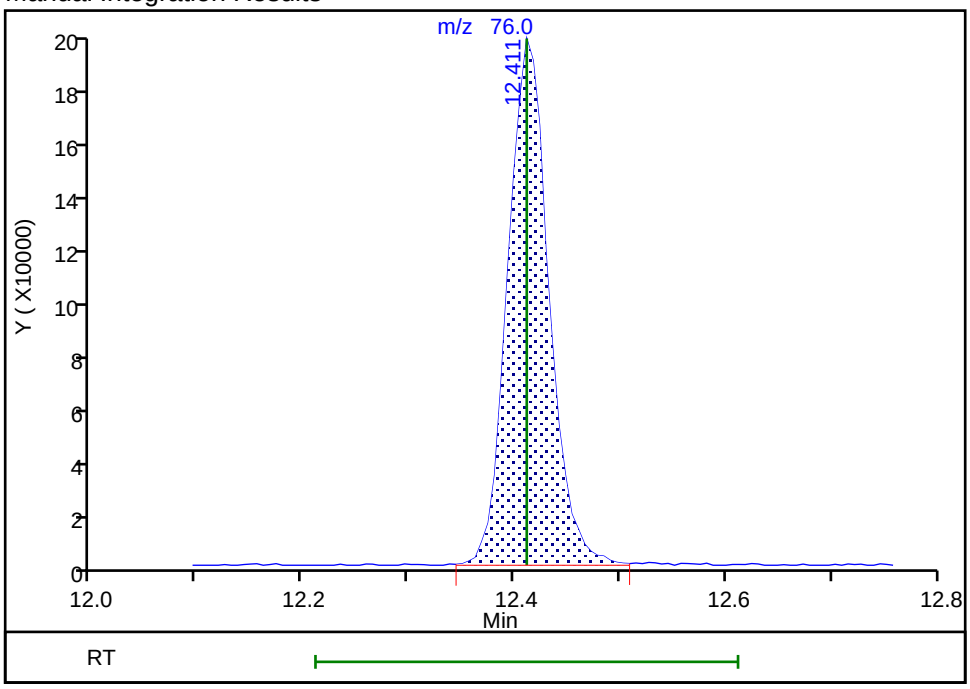
Not Detected
Expected RT: 12.41

Processing Integration Results



Manual Integration Results

RT: 12.41
Area: 530894
Amount: 53.570932
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:10:57
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

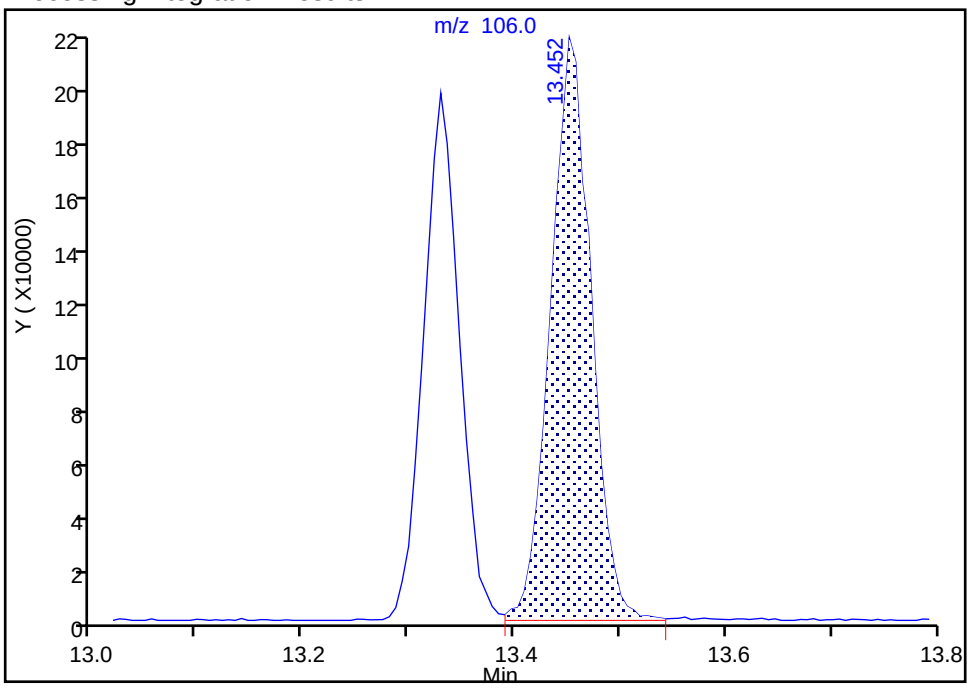
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

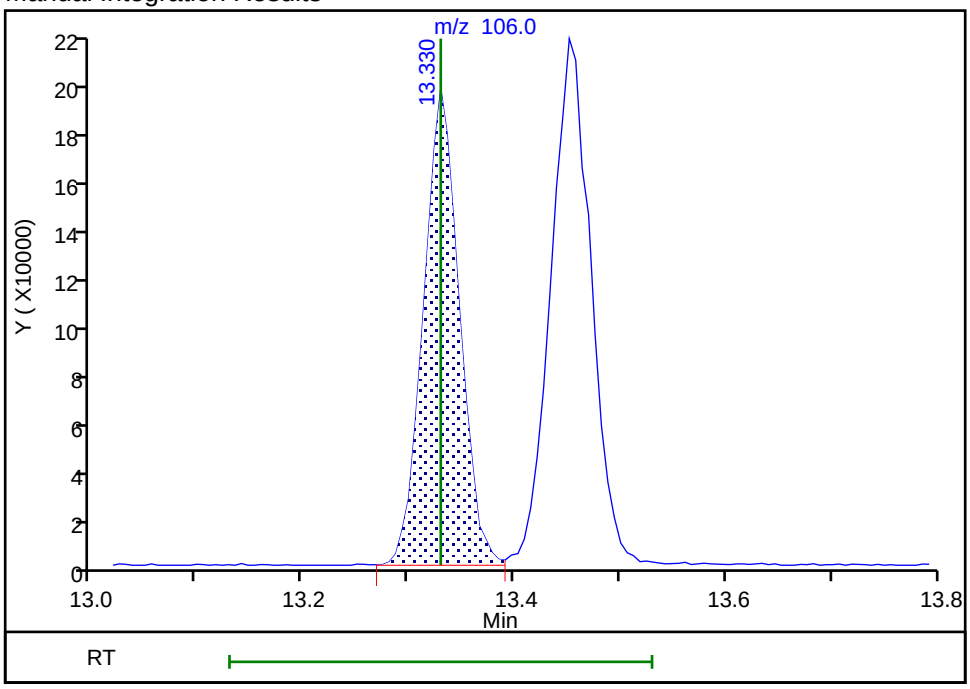
Processing Integration Results

RT: 13.45
Area: 583087
Amount: 79.520546
Amount Units: ng



Manual Integration Results

RT: 13.33
Area: 467653
Amount: 50.905821
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

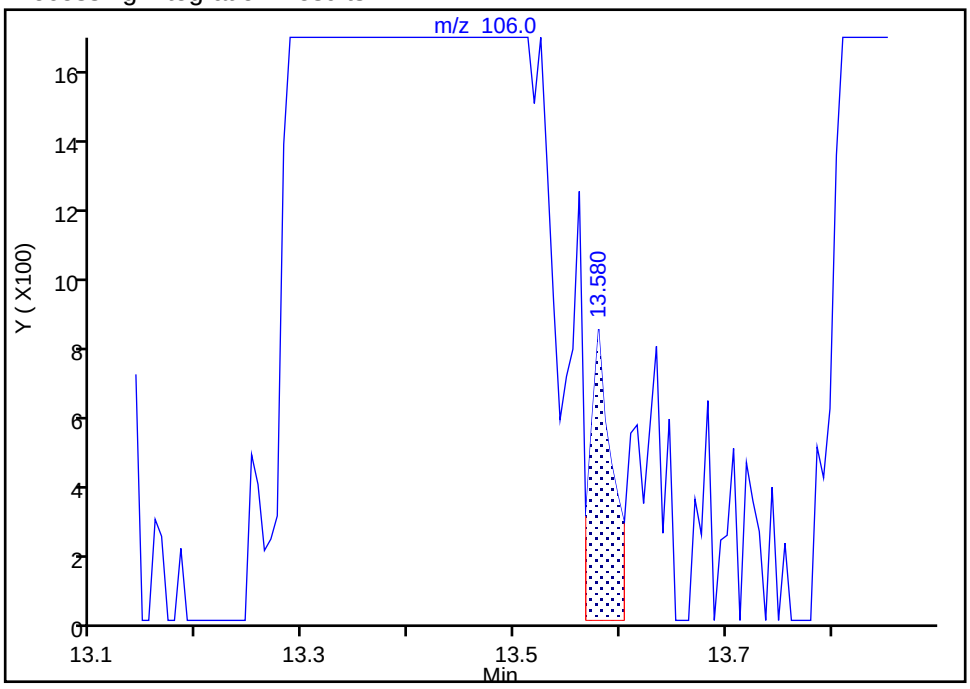
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

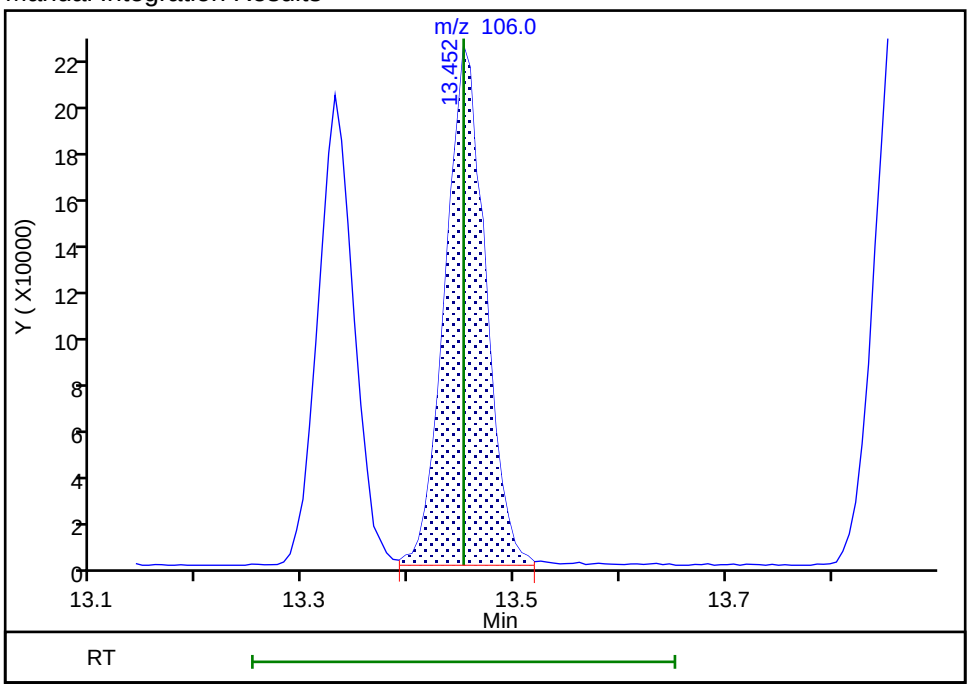
Processing Integration Results

RT: 13.58
Area: 1243
Amount: 3.031598
Amount Units: ng



Manual Integration Results

RT: 13.45
Area: 581425
Amount: 48.856254
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

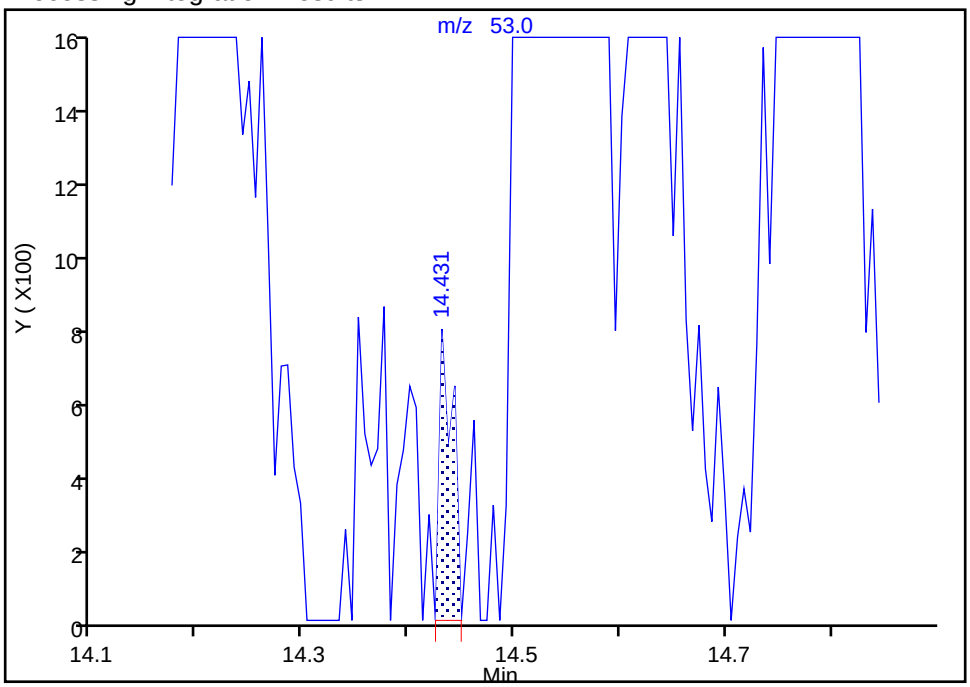
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

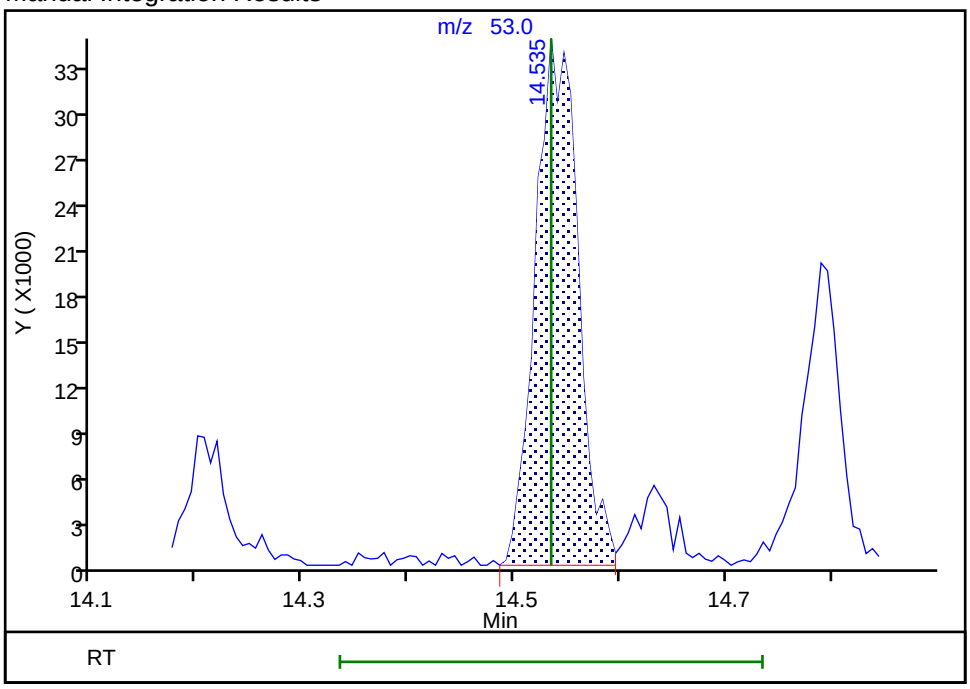
Processing Integration Results

RT: 14.43
Area: 682
Amount: 1.613917
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 97691
Amount: 66.544468
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:18

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

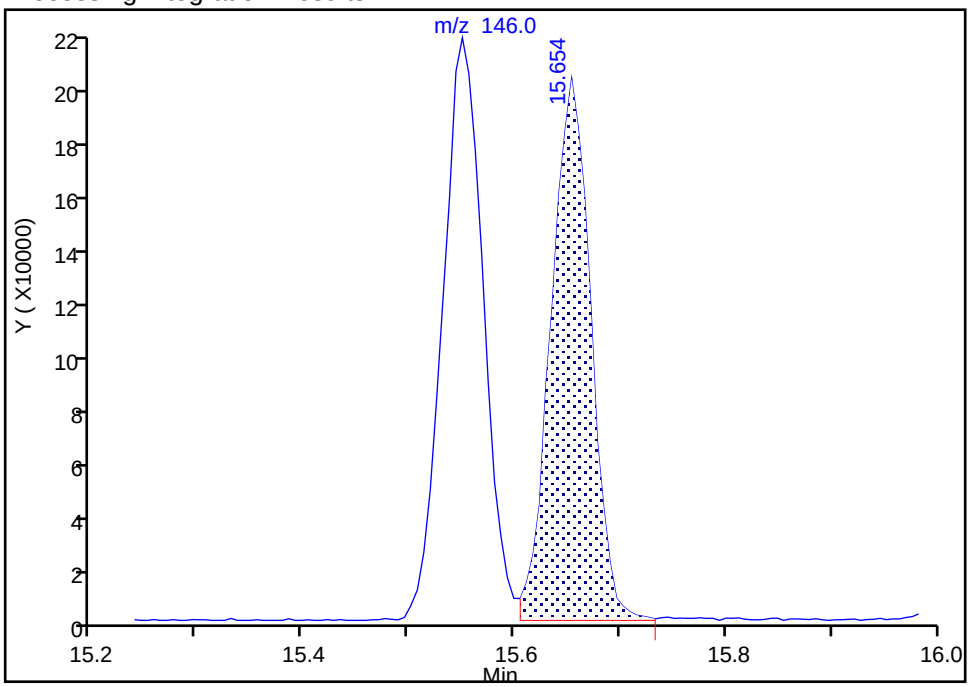
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D
Injection Date: 24-Nov-2021 09:32:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

109 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

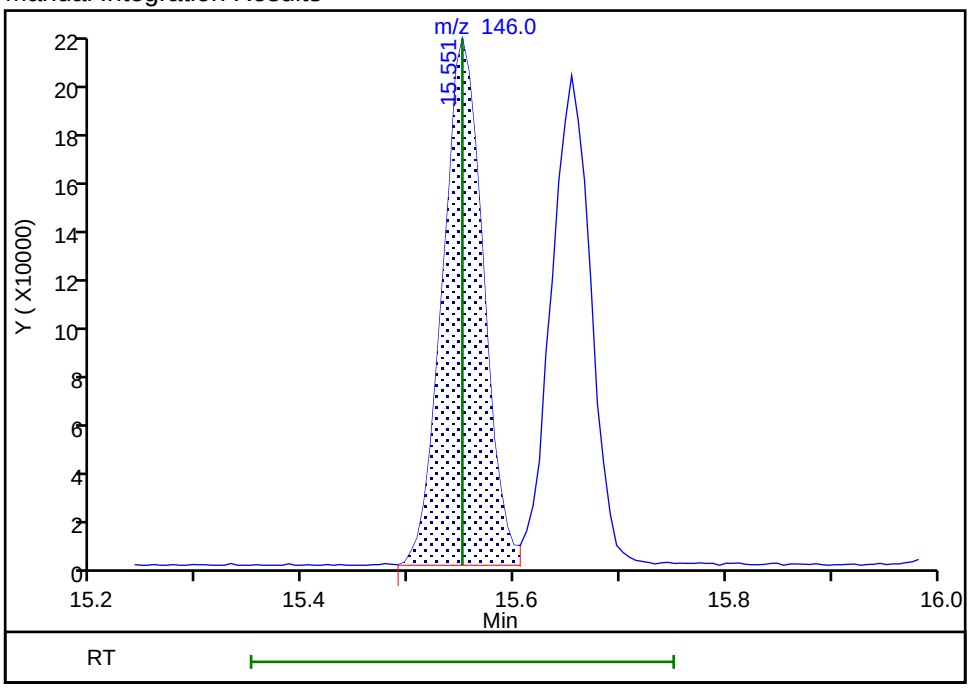
Processing Integration Results

RT: 15.65
Area: 517041
Amount: 45.617627
Amount Units: ng



Manual Integration Results

RT: 15.55
Area: 569010
Amount: 50.202761
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

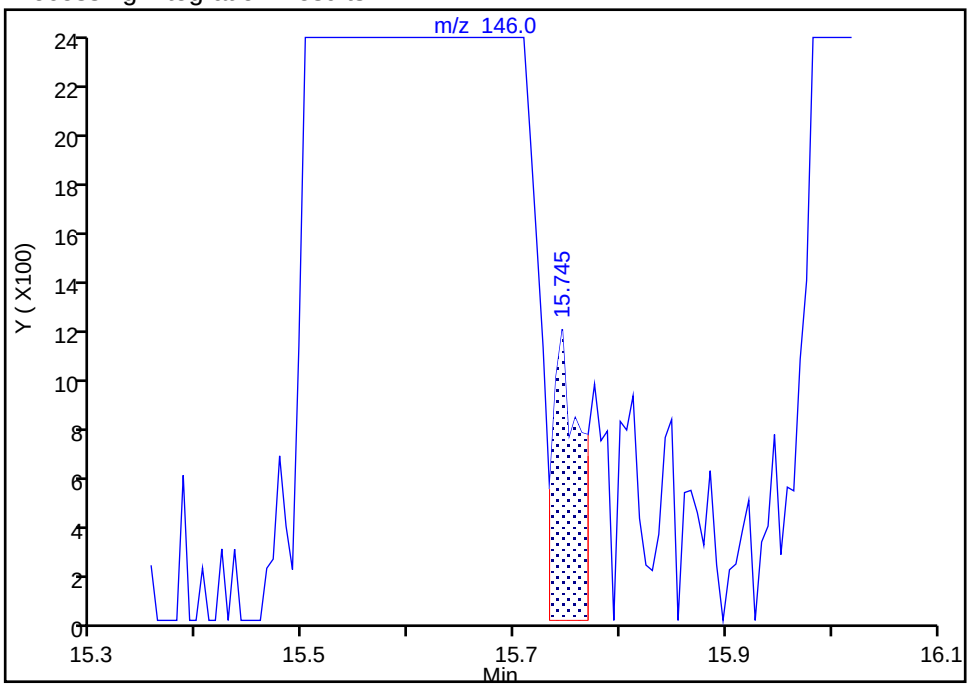
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

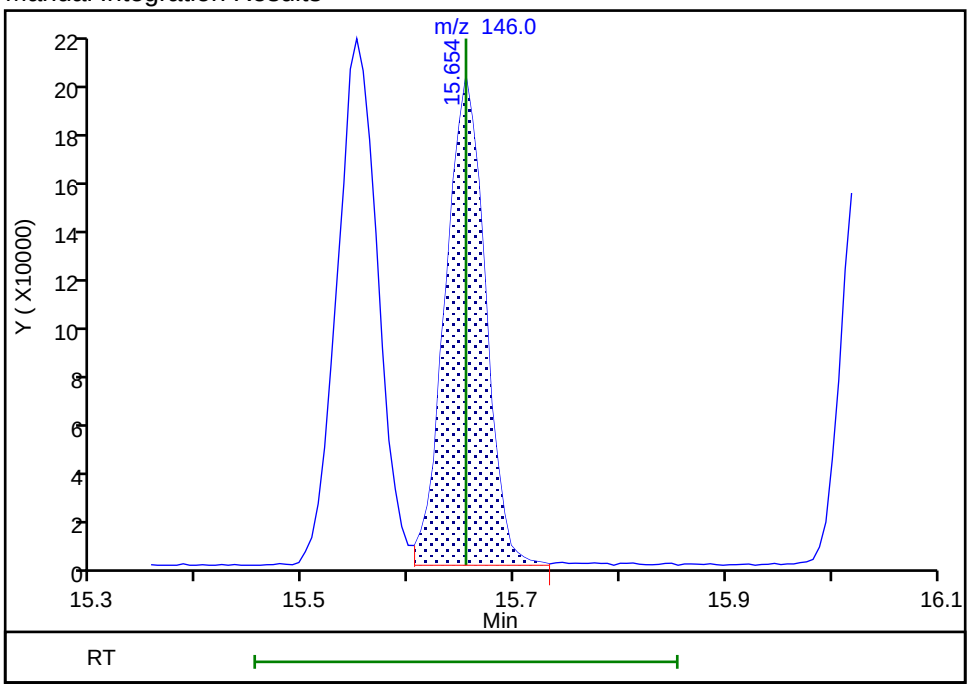
Processing Integration Results

RT: 15.75
Area: 2093
Amount: 0.181942
Amount Units: ng



Manual Integration Results

RT: 15.65
Area: 517041
Amount: 44.945839
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

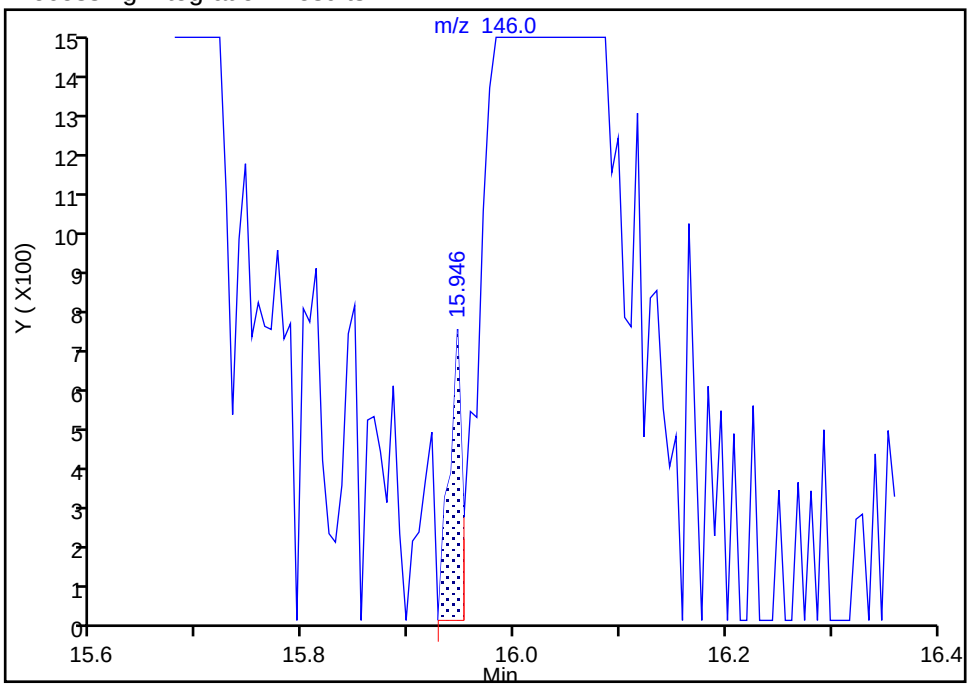
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124002.D				
Injection Date:	24-Nov-2021 09:32:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

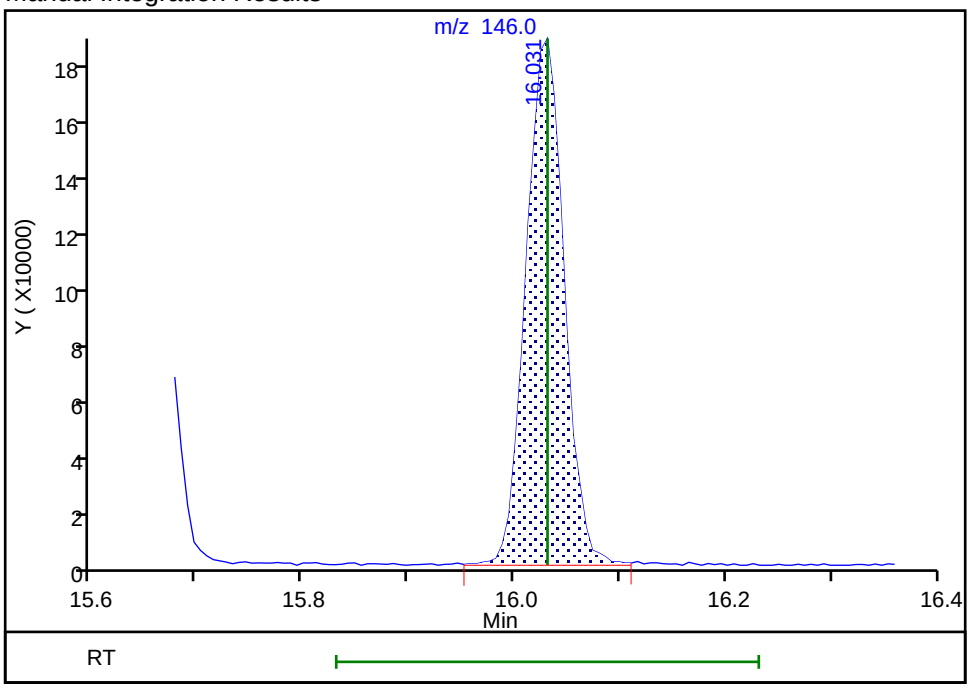
Processing Integration Results

RT: 15.95
Area: 624
Amount: 0.062873
Amount Units: ng



Manual Integration Results

RT: 16.03
Area: 458357
Amount: 46.183338
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:11:33

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 04/13/2020 10:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/13/2020 13:43

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Ave	0.1585	0.0696		8.78	20.0	44	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

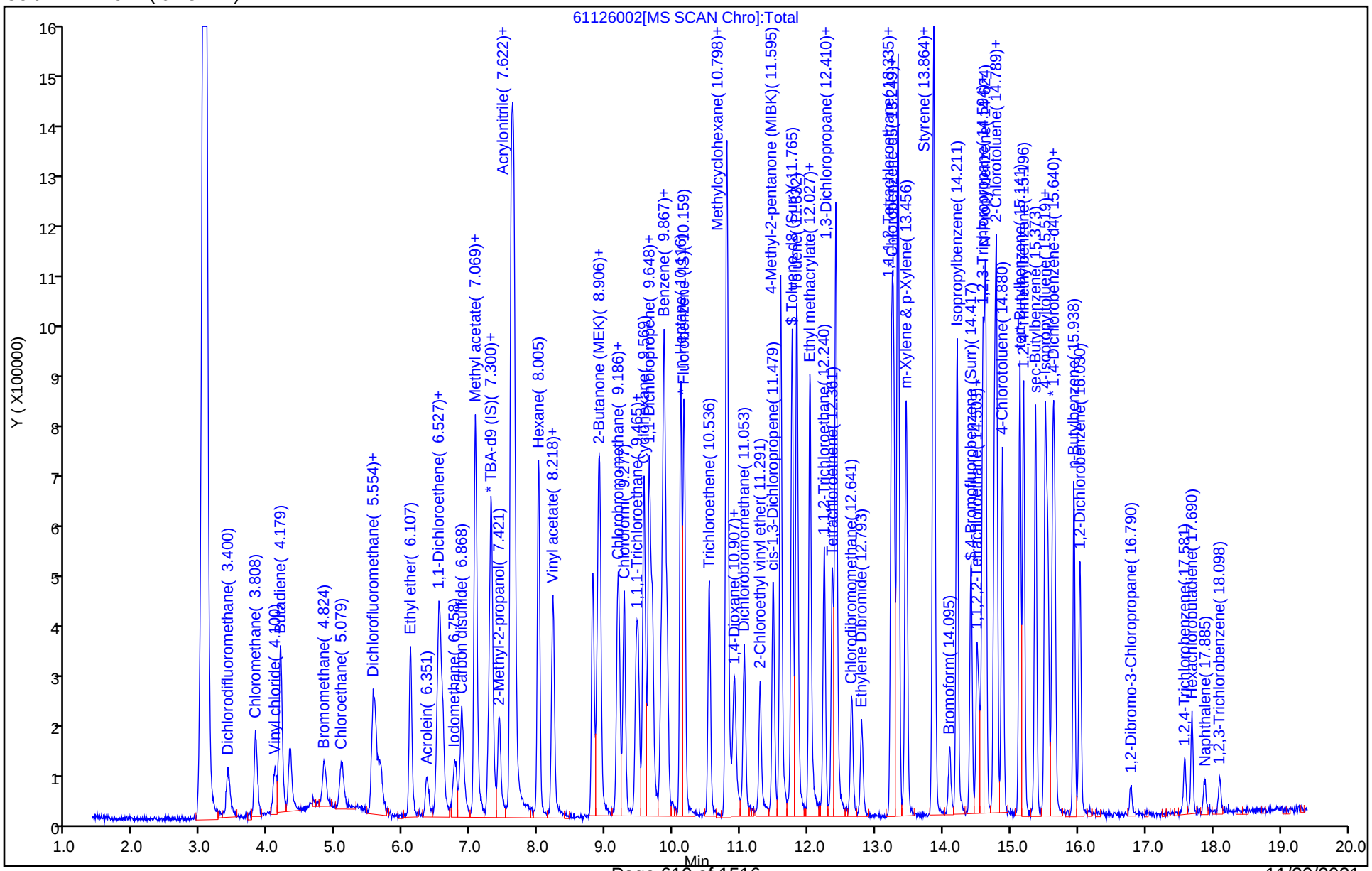
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 07/16/2020 11:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/16/2020 17:59

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0424	0.0459		32.5	30.0	108	60-140
Vinyl acetate	Ave	0.3746	0.3068		8.19	10.0	82	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

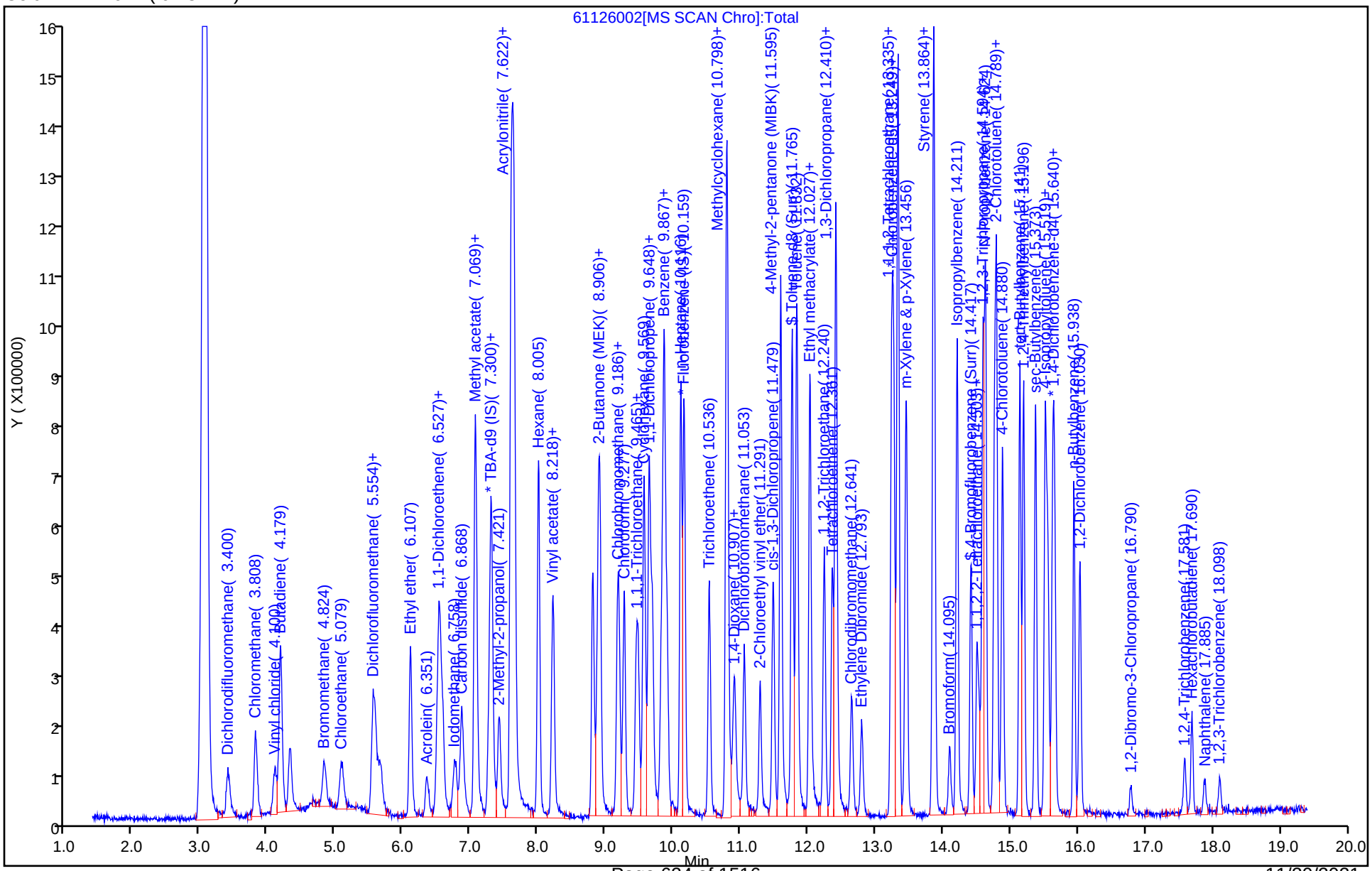
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.2056		5.94	10.0	59	16-157
Chloromethane	Ave	0.4085	0.3731	0.1000	9.13	10.0	91	10-170
Vinyl chloride	Ave	0.3407	0.2526		7.41	10.0	74	10-170
Bromomethane	Ave	0.1981	0.1333		6.73	10.0	67	15-170
Chloroethane	Ave	0.2319	0.1763		7.60	10.0	76	40-160
Dichlorofluoromethane	Ave	0.5408	0.3647		6.74	10.0	67	39-150
Trichlorofluoromethane	Ave	0.4682	0.2537		5.42	10.0	54	50-150
Ethyl ether	Ave	0.2455	0.2927		11.9	10.0	119	35-134
1,1-Dichloroethene	Ave	0.2213	0.1936		8.75	10.0	88	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.1967		7.65	10.0	76	49-150
Acetone	Ave	0.1055	0.1113		31.6	30.0	105	10-170
Iodomethane	Ave	0.3266	0.2911		8.91	10.0	89	49-155
Carbon disulfide	Ave	0.6703	0.6059		9.04	10.0	90	50-152
Methyl acetate	Ave	0.2225	0.4870		43.8	20.0	219*	10-170
3-Chloro-1-propene	Ave	0.1397	0.1200		8.59	10.0	86	53-137
Methylene Chloride	Lin1		0.2818		9.02	10.0	90	60-140
2-Methyl-2-propanol	Ave	1.170	1.216		104	100	104	56-129
Acrylonitrile	Ave	0.1194	0.1659		139	100	139	60-140
Methyl tert-butyl ether	Ave	0.6047	0.6780		11.2	10.0	112	40-162
trans-1,2-Dichloroethene	Ave	0.2851	0.2288		8.02	10.0	80	70-130
Hexane	Ave	0.4360	0.4049		9.29	10.0	93	31-148
1,1-Dichloroethane	Ave	0.5400	0.4790	0.1000	8.87	10.0	89	70-130
2-Butanone (MEK)	Ave	0.1368	0.1872		41.1	30.0	137	10-170
cis-1,2-Dichloroethene	Ave	0.3026	0.2638		8.72	10.0	87	67-124
2,2-Dichloropropane	Ave	0.0714	0.0449		6.29	10.0	63	42-144
Chlorobromomethane	Ave	0.1346	0.1276		9.48	10.0	95	55-147
Tetrahydrofuran	Ave	0.0732	0.1201		32.8	20.0	164	10-170
Chloroform	Ave	0.4974	0.3994		8.03	10.0	80	70-135
1,1,1-Trichloroethane	Ave	0.4241	0.2761		6.51	10.0	65*	70-130
Cyclohexane	Ave	0.5222	0.4821		9.23	10.0	92	36-150
1,1-Dichloropropene	Ave	0.3739	0.2696		7.21	10.0	72	57-132
Carbon tetrachloride	Ave	0.3412	0.2140		6.27	10.0	63*	70-130
Isobutyl alcohol	Ave	0.0091	0.0121		333	250	133	10-170
Benzene	Ave	1.159	1.014		8.75	10.0	87	65-135
1,2-Dichloroethane	Ave	0.4295	0.4025		9.37	10.0	94	70-130
Trichloroethene	Ave	0.2764	0.2230		8.07	10.0	81	65-135
Methylcyclohexane	Lin1		0.3312		7.83	10.0	78	30-170
1,2-Dichloropropane	Ave	0.3079	0.2988		9.70	10.0	97	35-165
1,4-Dioxane	Ave	0.0023	0.0029		247	200	123	10-170
Dibromomethane	Ave	0.1471	0.1548		10.5	10.0	105	48-151

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.2768		8.61	10.0	86	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3398		10.8	10.0	108	25-170
4-Methyl-2-pentanone (MIBK)	Lin2		1.703		39.3	30.0	131	12-152
Toluene	Ave	5.610	4.797		8.55	10.0	86	70-130
Ethyl methacrylate	Qua1		1.236		11.9	10.0	119	37-166
trans-1,3-Dichloropropene	Ave	1.484	1.458		9.82	10.0	98	50-150
1,1,2-Trichloroethane	Ave	1.085	1.111		10.2	10.0	102	70-130
Tetrachloroethene	Ave	1.068	0.7629		7.14	10.0	71	70-130
1,3-Dichloropropane	Ave	1.996	1.949		9.76	10.0	98	50-134
2-Hexanone	Lin2		1.050		37.0	30.0	123	10-157
Chlorodibromomethane	Ave	0.9234	0.8745		9.47	10.0	95	70-135
Ethylene Dibromide	Ave	0.9882	0.9668		9.78	10.0	98	46-138
Chlorobenzene	Ave	3.359	3.024	0.3000	9.00	10.0	90	65-135
1,1,1,2-Tetrachloroethane	Ave	1.088	1.014		9.32	10.0	93	66-137
Ethylbenzene	Lin1		1.438		7.87	10.0	79	60-140
m-Xylene & p-Xylene	Lin1		1.824		7.74	10.0	77	60-130
o-Xylene	Ave	1.897	1.694		8.93	10.0	89	62-133
Styrene	Lin1		2.759		8.09	10.0	81	64-119
Bromoform	Ave	0.4232	0.4485	0.1000	10.6	10.0	106	70-130
Isopropylbenzene	Lin2		3.950		6.98	10.0	70	47-143
1,1,2,2-Tetrachloroethane	Ave	1.169	1.136	0.3000	9.72	10.0	97	60-140
trans-1,4-Dichloro-2-butene	Lin1		0.3105		14.6	10.0	146	10-170
1,2,3-Trichloropropane	Ave	0.3221	0.3464		10.8	10.0	108	30-142
Bromobenzene	Ave	0.9030	0.9324		10.3	10.0	103	64-131
N-Propylbenzene	Lin2		1.058		10.5	10.0	105	37-166
2-Chlorotoluene	Ave	0.8817	0.9001		10.2	10.0	102	48-145
1,3,5-Trimethylbenzene	Lin2		2.990		9.34	10.0	93	50-150
4-Chlorotoluene	Ave	0.9038	0.8728		9.66	10.0	97	53-140
tert-Butylbenzene	Lin2		2.676		10.1	10.0	101	19-170
1,2,4-Trimethylbenzene	Lin2		2.910		9.26	10.0	93	37-147
sec-Butylbenzene	Lin2		3.437		10.4	10.0	104	20-170
4-Isopropyltoluene	Lin1		2.732		9.47	10.0	95	19-170
1,3-Dichlorobenzene	Ave	1.643	1.437		8.75	10.0	87	70-130
1,4-Dichlorobenzene	Ave	1.667	1.430		8.57	10.0	86	65-135
n-Butylbenzene	Lin1		2.058		10.4	10.0	104	10-170
1,2-Dichlorobenzene	Ave	1.438	1.239		8.62	10.0	86	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0748		8.25	10.0	83	10-170
1,2,4-Trichlorobenzene	Ave	0.3663	0.2212		6.04	10.0	60	10-170
Hexachlorobutadiene	Lin2		0.2037		10.4	10.0	104	10-170
Naphthalene	Qua1		0.3571		7.67	10.0	77	10-170
1,2,3-Trichlorobenzene	Ave	0.1916	0.1369		7.14	10.0	71	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380188/2 Calibration Date: 11/26/2021 13:07

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61126002.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
Dibromofluoromethane (Surr)	Ave	0.2118	0.2155		10.2	10.0	1.8	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.3100		9.41	10.0	-5.9	
Toluene-d8 (Surr)	Ave	4.481	4.010		8.95	10.0	-10.5	
4-Bromofluorobenzene (Surr)	Ave	1.487	1.295		8.71	10.0	-12.9	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Nov-2021 13:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-002
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub120

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:58 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 13:50:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	47	403253	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	68	954836	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.237	0.000	30	205022	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	30	228500	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.447	9.447	0.000	93	205788	50.0	50.9	a
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.830	9.830	0.000	95	295958	50.0	47.1	a
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	44	822160	50.0	44.7	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.411	0.000	37	265549	50.0	43.5	
11 Dichlorodifluoromethane	85	3.400	3.400	0.000	31	196356	50.0	29.7	
12 Chloromethane	50	3.808	3.808	0.000	31	356226	50.0	45.7	
13 Vinyl chloride	62	4.094	4.094	0.000	23	241147	50.0	37.1	
14 Butadiene	39	4.179	4.179	0.000	49	292587	50.0	37.2	
15 Bromomethane	94	4.836	4.836	0.000	42	127259	50.0	33.6	
16 Chloroethane	64	5.085	5.085	0.000	21	168320	50.0	38.0	
17 Dichlorofluoromethane	67	5.554	5.554	0.000	41	348238	50.0	33.7	
18 Trichlorofluoromethane	101	5.596	5.596	0.000	98	242228	50.0	27.1	a
20 Ethyl ether	59	6.107	6.107	0.000	45	279482	50.0	59.6	
21 Acrolein	56	6.351	6.351	0.000	39	131445	150.0	162.4	
22 1,1-Dichloroethene	96	6.515	6.515	0.000	37	184899	50.0	43.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.545	0.000	36	187828	50.0	38.2	
24 Acetone	43	6.588	6.588	0.000	25	318852	150.0	158.2	
25 Iodomethane	142	6.771	6.771	0.000	35	277960	50.0	44.6	
26 Carbon disulfide	76	6.868	6.868	0.000	33	578548	50.0	45.2	
30 Methyl acetate	43	7.063	7.063	0.000	46	930027	100.0	218.9	
29 3-Chloro-1-propene	76	7.081	7.081	0.000	25	114583	50.0	43.0	
31 Methylene Chloride	84	7.294	7.294	0.000	32	269045	50.0	45.1	
32 2-Methyl-2-propanol	59	7.428	7.428	0.000	44	245103	500.0	519.6	
33 Acrylonitrile	53	7.604	7.604	0.000	43	1583654	500.0	694.6	
35 Methyl tert-butyl ether	73	7.634	7.634	0.000	47	647405	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.653	7.653	0.000	39	218458	50.0	40.1	
36 Hexane	57	8.005	8.005	0.000	15	386635	50.0	46.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.212	8.212	0.000	40	292935	50.0	40.9	
37 1,1-Dichloroethane	63	8.218	8.218	0.000	40	457375	50.0	44.4	
44 2-Butanone (MEK)	43	8.881	8.881	0.000	47	536212	150.0	205.3	
43 cis-1,2-Dichloroethene	96	8.906	8.906	0.000	47	251856	50.0	43.6	
42 2,2-Dichloropropane	97	8.912	8.912	0.000	46	42884	50.0	31.4	
48 Chlorobromomethane	128	9.180	9.180	0.000	26	121843	50.0	47.4	
49 Tetrahydrofuran	42	9.204	9.204	0.000	34	229295	100.0	164.1	
50 Chloroform	83	9.277	9.277	0.000	34	381375	50.0	40.1	
51 1,1,1-Trichloroethane	97	9.484	9.484	0.000	41	263591	50.0	32.5	
52 Cyclohexane	56	9.569	9.569	0.000	31	460343	50.0	46.2	
54 1,1-Dichloropropene	75	9.642	9.642	0.000	66	257429	50.0	36.1	
53 Carbon tetrachloride	117	9.648	9.648	0.000	26	204370	50.0	31.4	
55 Isobutyl alcohol	41	9.691	9.691	0.000	88	288224	1250.0	1665.0	a
56 Benzene	78	9.867	9.867	0.000	43	967796	50.0	43.7	
57 1,2-Dichloroethane	62	9.910	9.910	0.000	32	384299	50.0	46.9	
59 n-Heptane	43	10.116	10.116	0.000	41	442829	50.0	75.3	
61 Trichloroethene	130	10.536	10.536	0.000	44	212895	50.0	40.3	
63 Methylcyclohexane	83	10.792	10.792	0.000	47	316211	50.0	39.1	
64 1,2-Dichloropropane	63	10.810	10.810	0.000	44	285279	50.0	48.5	
65 1,4-Dioxane	88	10.865	10.865	0.000	34	54864	1000.0	1233.2	
67 Dibromomethane	93	10.907	10.907	0.000	37	147762	50.0	52.6	
68 Dichlorobromomethane	83	11.053	11.053	0.000	31	264268	50.0	43.0	
70 2-Chloroethyl vinyl ether	63	11.284	11.284	0.000	33	132920	100.0	43.9	
71 cis-1,3-Dichloropropene	75	11.485	11.485	0.000	36	324441	50.0	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.595	0.000	46	1047296	150.0	196.4	
73 Toluene	91	11.832	11.832	0.000	44	983434	50.0	42.8	
75 Ethyl methacrylate	69	12.021	12.021	0.000	75	253382	50.0	59.3	a
74 trans-1,3-Dichloropropene	75	12.033	12.033	0.000	83	298900	50.0	49.1	a
76 1,1,2-Trichloroethane	97	12.240	12.240	0.000	94	227706	50.0	51.2	
77 Tetrachloroethene	164	12.361	12.361	0.000	44	156408	50.0	35.7	
78 1,3-Dichloropropane	76	12.410	12.410	0.000	99	399585	50.0	48.8	
79 2-Hexanone	43	12.416	12.416	0.000	33	645798	150.0	184.9	
81 Chlorodibromomethane	129	12.653	12.653	0.000	35	179289	50.0	47.4	
82 Ethylene Dibromide	107	12.793	12.793	0.000	35	198224	50.0	48.9	
84 Chlorobenzene	112	13.274	13.274	0.000	22	620060	50.0	45.0	
86 1,1,1,2-Tetrachloroethane	131	13.335	13.335	0.000	40	207915	50.0	46.6	
87 Ethylbenzene	106	13.335	13.335	0.000	97	294769	50.0	39.3	a
88 m-Xylene & p-Xylene	106	13.456	13.456	0.000	99	374020	50.0	38.7	a
89 o-Xylene	106	13.852	13.852	0.000	33	347275	50.0	44.6	
90 Styrene	104	13.870	13.870	0.000	48	565718	50.0	40.4	
91 Bromoform	173	14.101	14.101	0.000	38	91944	50.0	53.0	
93 Isopropylbenzene	105	14.211	14.211	0.000	47	809792	50.0	34.9	
96 1,1,2,2-Tetrachloroethane	83	14.503	14.503	0.000	35	232987	50.0	48.6	
97 trans-1,4-Dichloro-2-butene	53	14.545	14.545	0.000	83	70955	50.0	72.9	a
98 1,2,3-Trichloropropane	110	14.588	14.588	0.000	32	79162	50.0	53.8	
95 Bromobenzene	156	14.594	14.594	0.000	46	213062	50.0	51.6	
99 N-Propylbenzene	120	14.636	14.636	0.000	34	241784	50.0	52.6	
100 2-Chlorotoluene	126	14.764	14.764	0.000	43	205676	50.0	51.0	
102 1,3,5-Trimethylbenzene	105	14.795	14.795	0.000	37	683153	50.0	46.7	
103 4-Chlorotoluene	126	14.880	14.880	0.000	39	199430	50.0	48.3	
104 tert-Butylbenzene	119	15.141	15.141	0.000	42	611416	50.0	50.5	
106 1,2,4-Trimethylbenzene	105	15.196	15.196	0.000	39	664979	50.0	46.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.373	15.373	0.000	31	785297	50.0	52.0	
110 4-Isopropyltoluene	119	15.519	15.519	0.000	33	624235	50.0	47.4	
109 1,3-Dichlorobenzene	146	15.555	15.555	0.000	96	328343	50.0	43.7	a
111 1,4-Dichlorobenzene	146	15.658	15.658	0.000	92	326662	50.0	42.9	a
116 n-Butylbenzene	91	15.938	15.938	0.000	41	470242	50.0	52.2	
117 1,2-Dichlorobenzene	146	16.030	16.030	0.000	32	283201	50.0	43.1	
118 1,2-Dibromo-3-Chloropropane	75	16.784	16.784	0.000	61	17096	50.0	41.3	
122 1,2,4-Trichlorobenzene	180	17.581	17.581	0.000	30	50536	50.0	30.2	
123 Hexachlorobutadiene	225	17.696	17.696	0.000	41	46539	50.0	52.2	
124 Naphthalene	128	17.873	17.873	0.000	20	81607	50.0	38.4	
125 1,2,3-Trichlorobenzene	180	18.098	18.098	0.000	34	31277	50.0	35.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	83.7	
S 131 Xylenes, Total	106				0		100.0	83.3	
S 154 Total BTEX	1				0		250.0	209.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	102.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

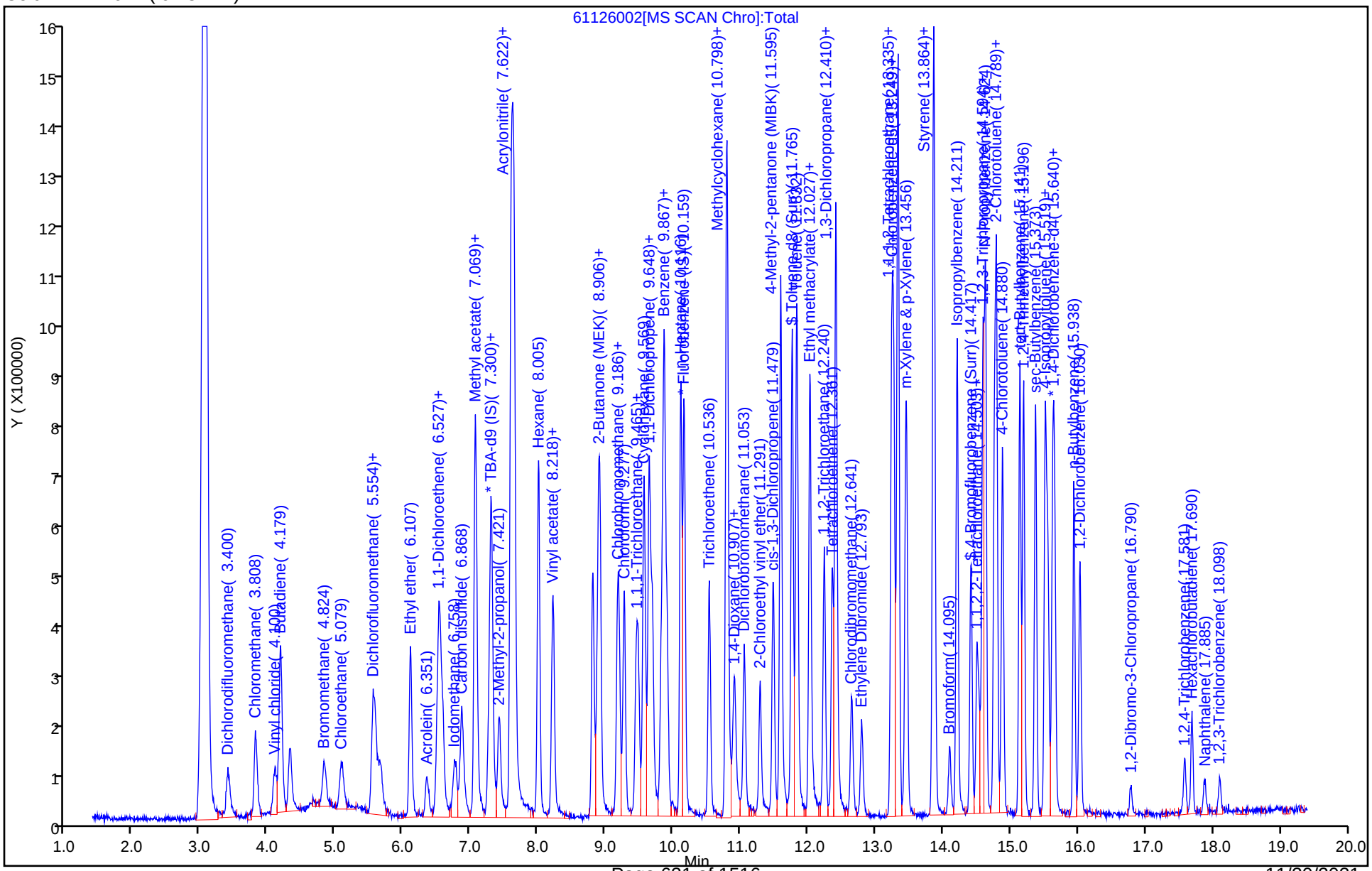
Report Date: 27-Nov-2021 15:49:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D

Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

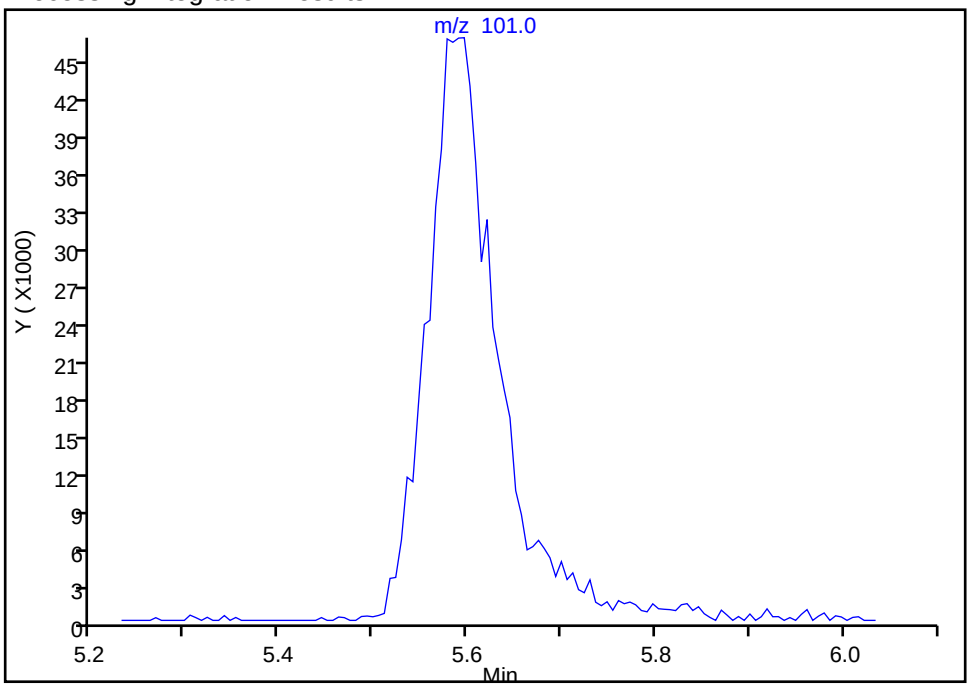
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

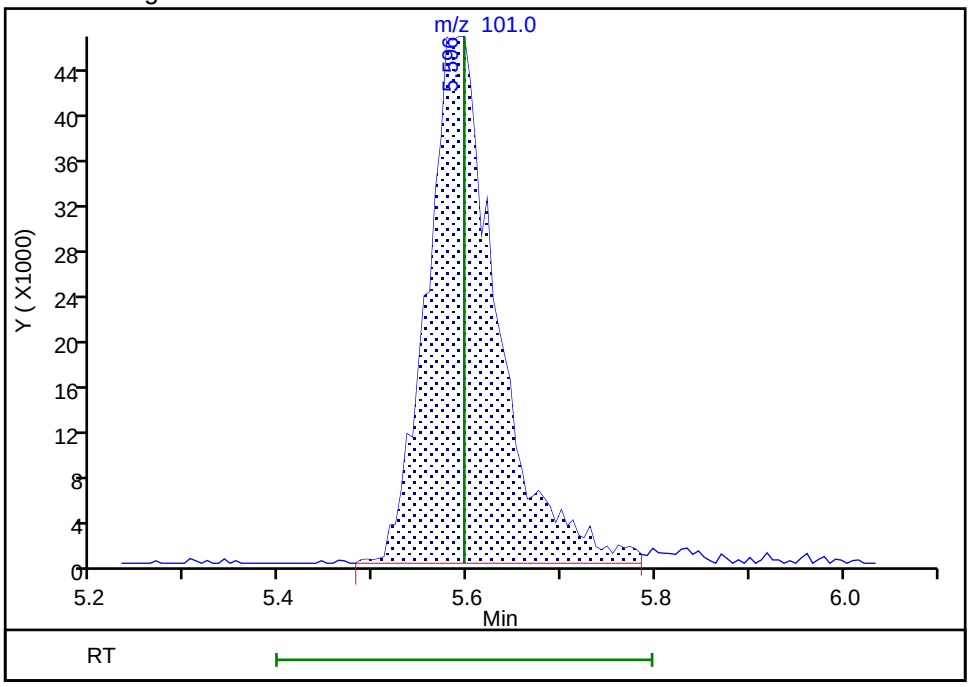
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 242228
Amount: 27.090445
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

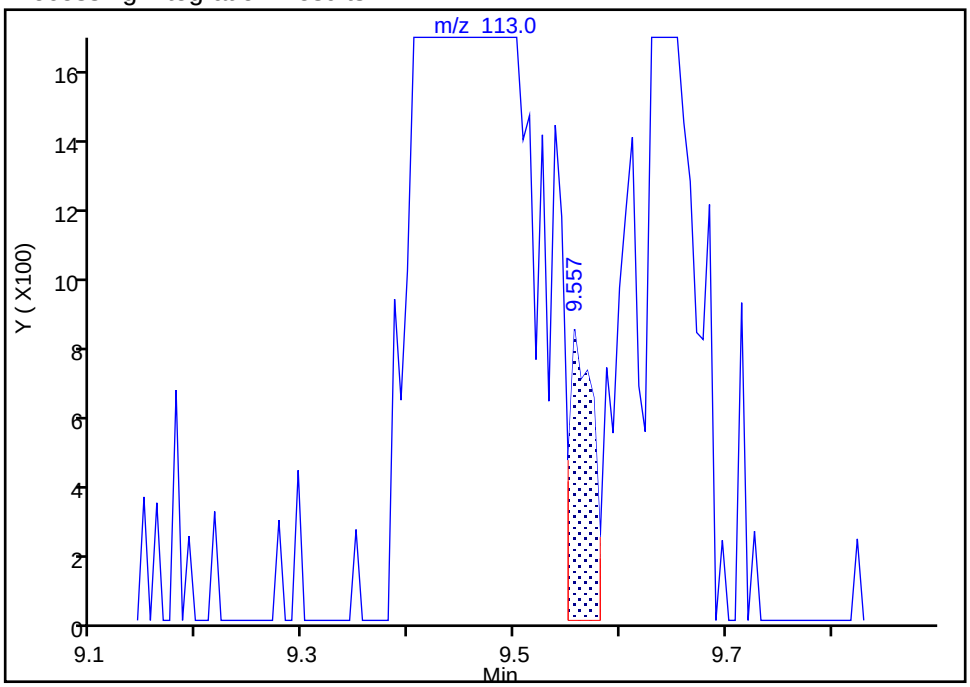
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 5 Dibromofluoromethane (Surr), CAS: 1868-53-7

Signal: 1

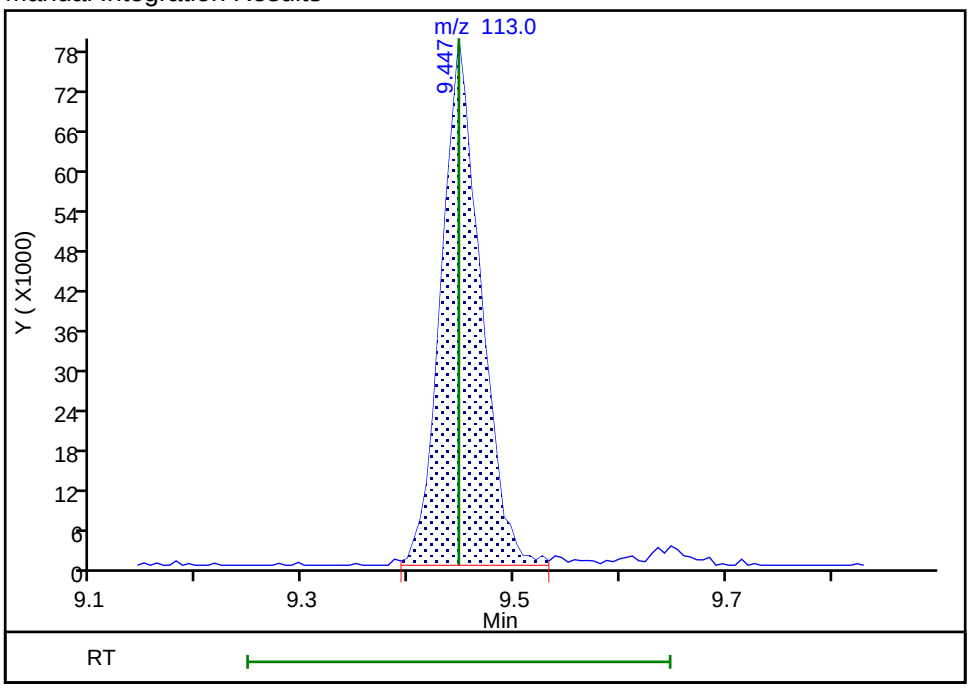
Processing Integration Results

RT: 9.56
Area: 1313
Amount: 0.324661
Amount Units: ng



Manual Integration Results

RT: 9.45
Area: 205788
Amount: 50.884460
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

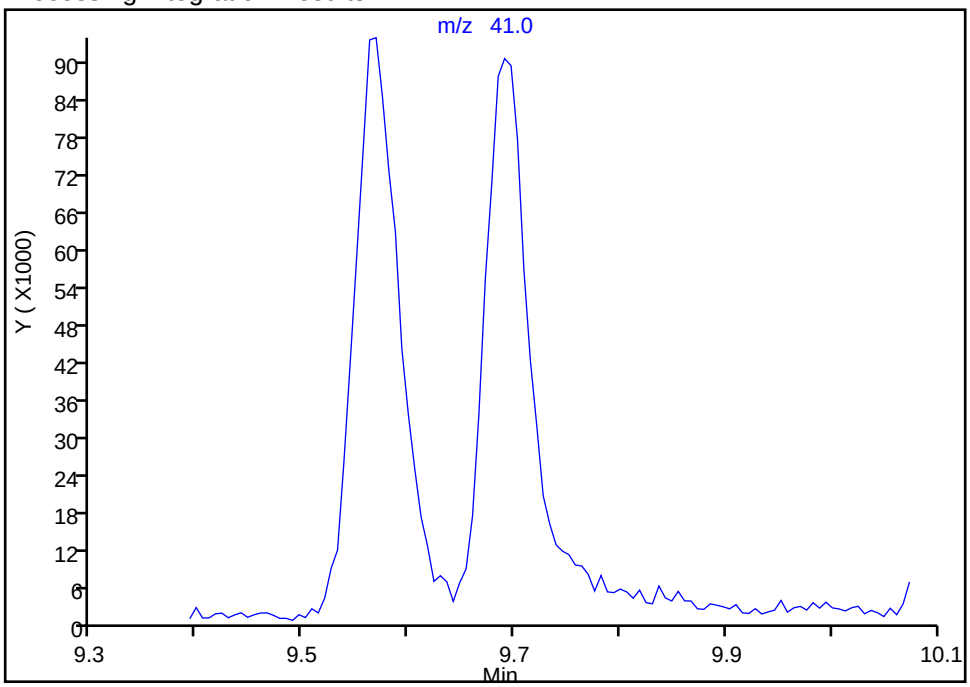
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

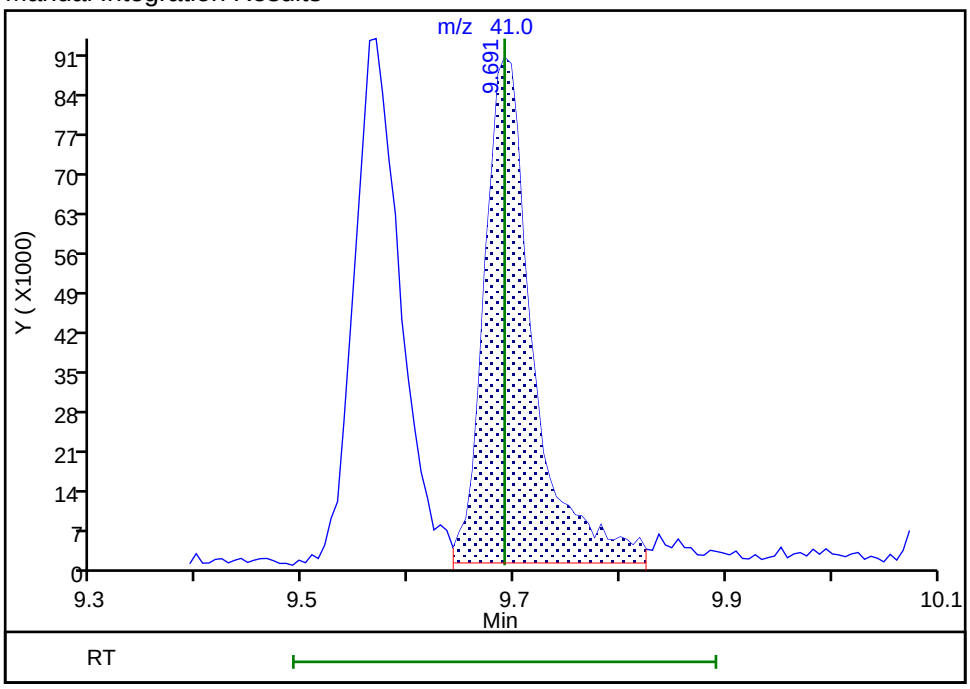
Not Detected
Expected RT: 9.69

Processing Integration Results



Manual Integration Results

RT: 9.69
Area: 288224
Amount: 1664.9804
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

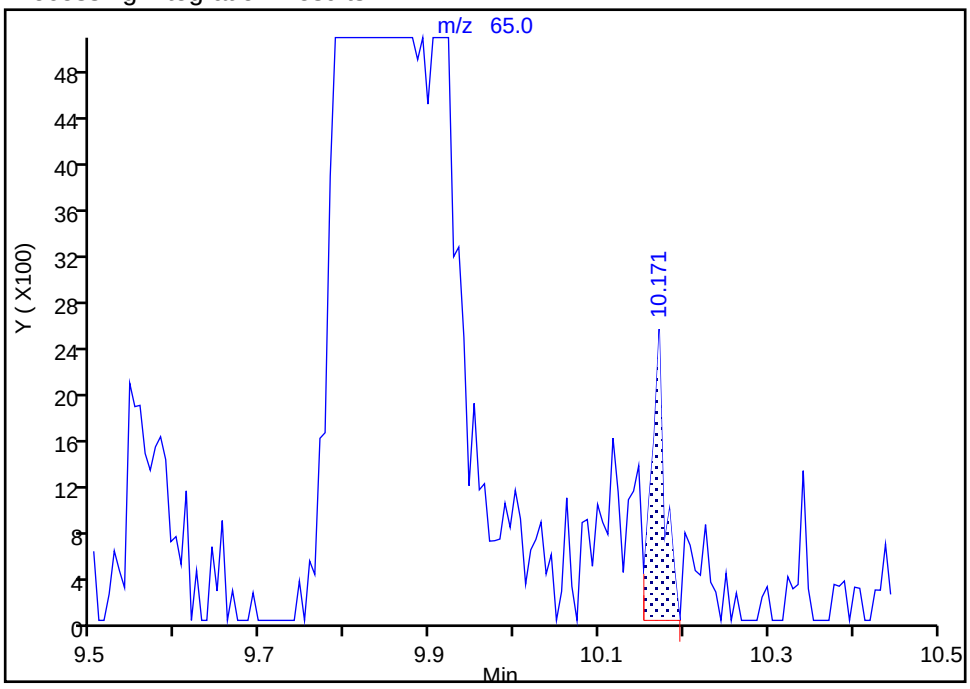
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D
Injection Date: 26-Nov-2021 13:07:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

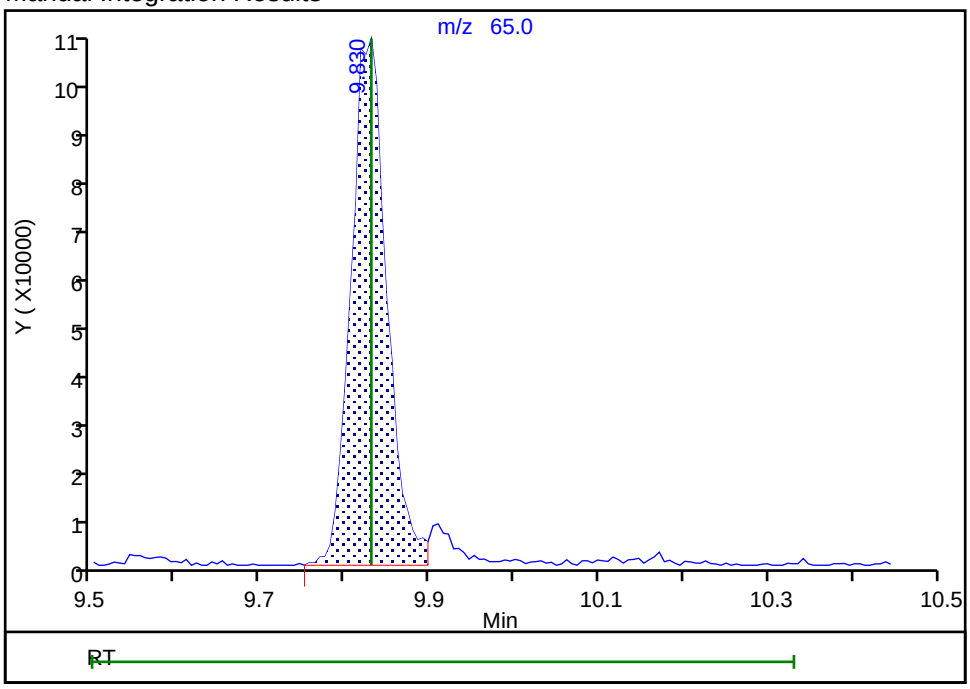
Processing Integration Results

RT: 10.17
Area: 2753
Amount: 0.437757
Amount Units: ng



Manual Integration Results

RT: 9.83
Area: 295958
Amount: 47.060564
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

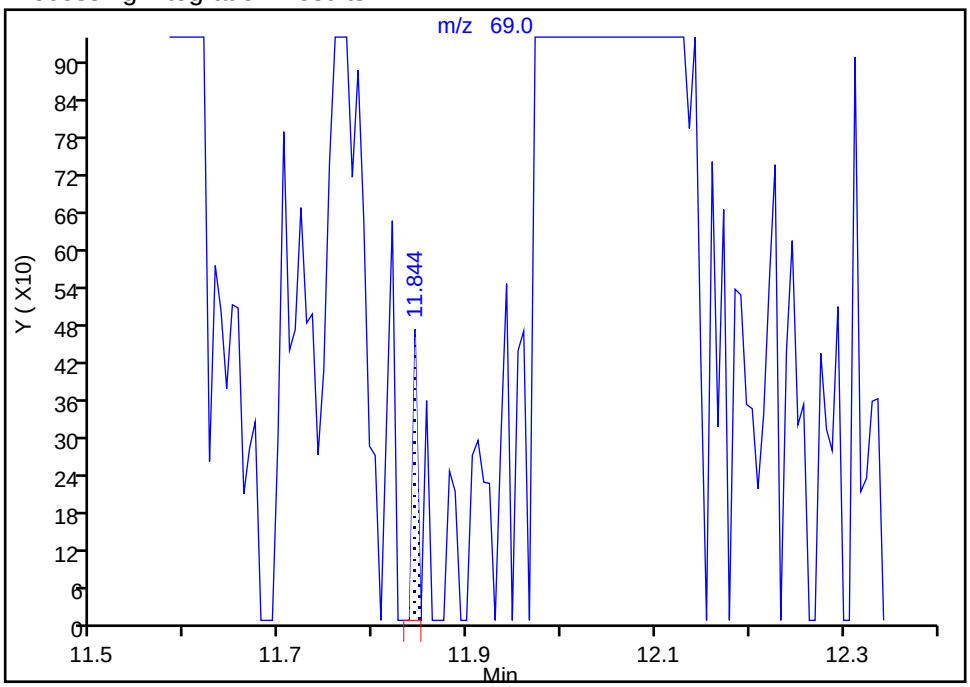
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

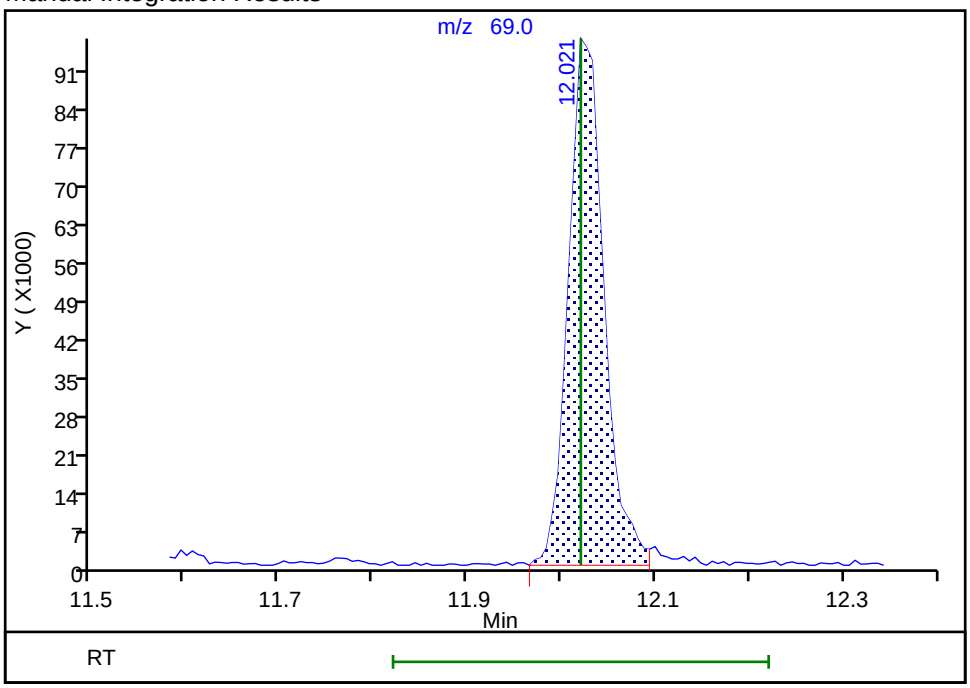
Processing Integration Results

RT: 11.84
Area: 171
Amount: 1.871950
Amount Units: ng



Manual Integration Results

RT: 12.02
Area: 253382
Amount: 59.295367
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

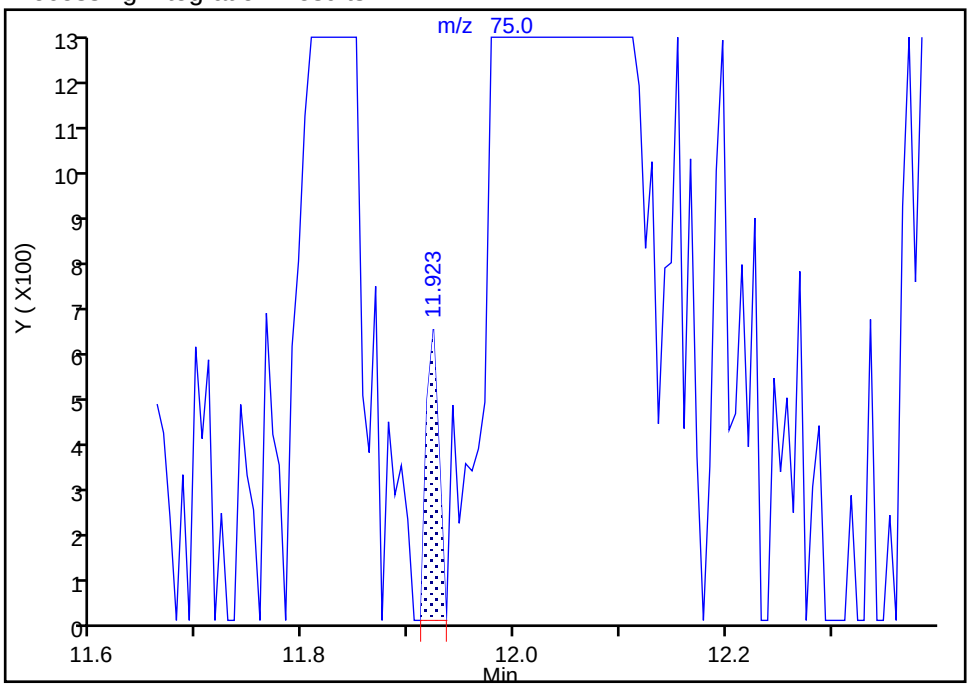
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

74 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

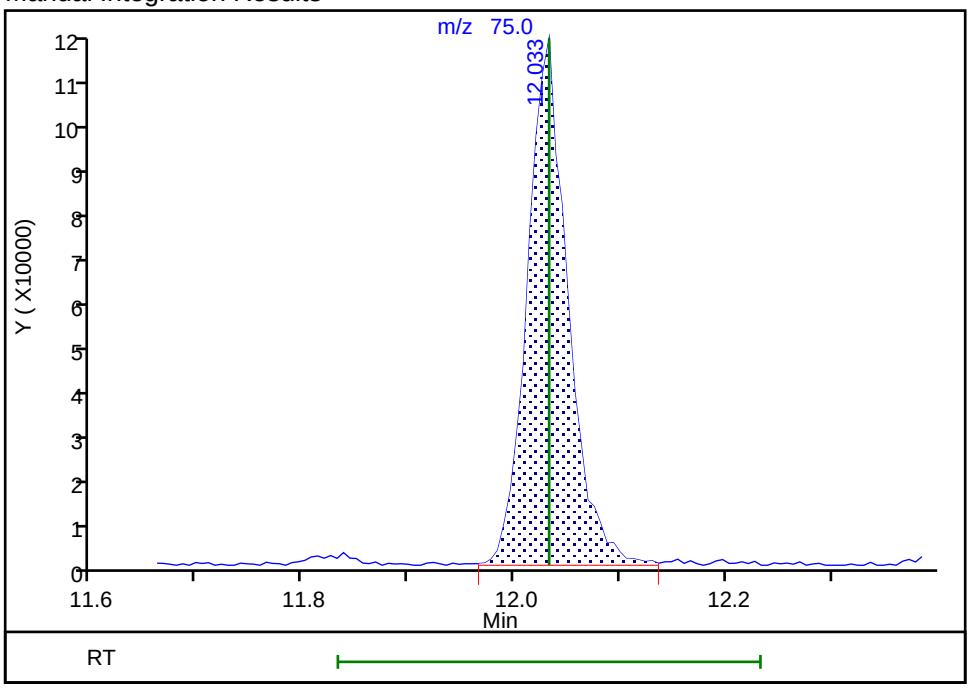
Processing Integration Results

RT: 11.92
Area: 504
Amount: 0.082815
Amount Units: ng



Manual Integration Results

RT: 12.03
Area: 298900
Amount: 49.113993
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

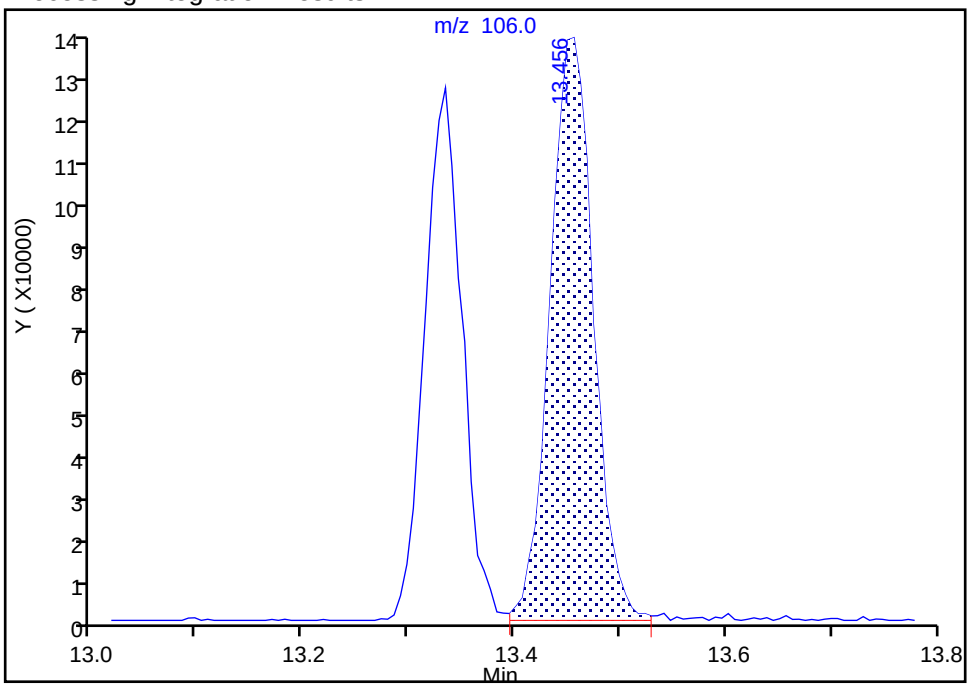
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

87 Ethylbenzene, CAS: 100-41-4

Signal: 1

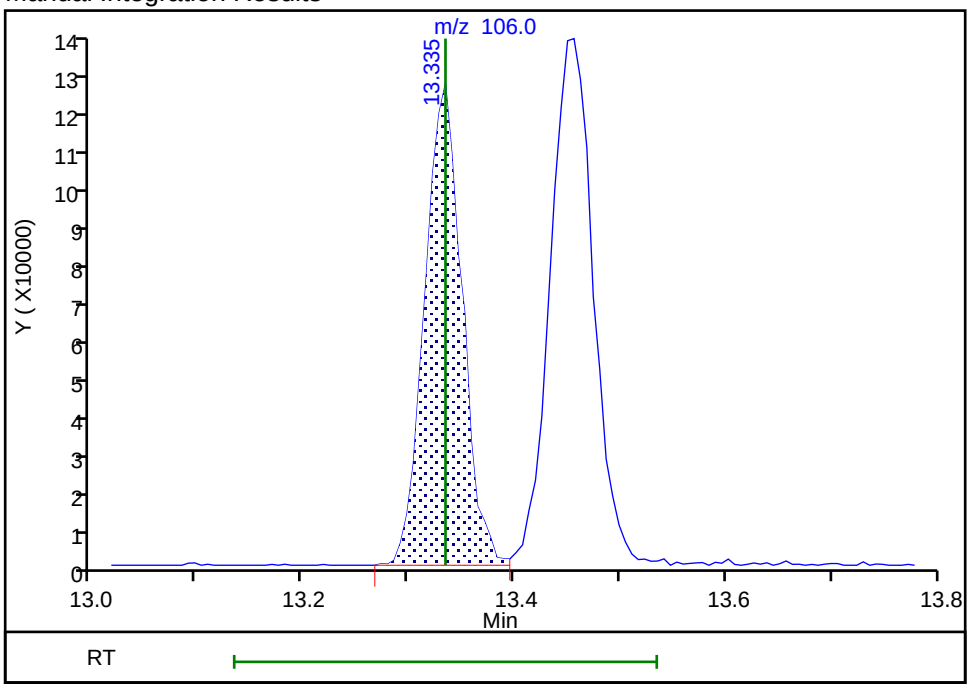
Processing Integration Results

RT: 13.46
Area: 374020
Amount: 49.362613
Amount Units: ng



Manual Integration Results

RT: 13.33
Area: 294769
Amount: 39.343197
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:51

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

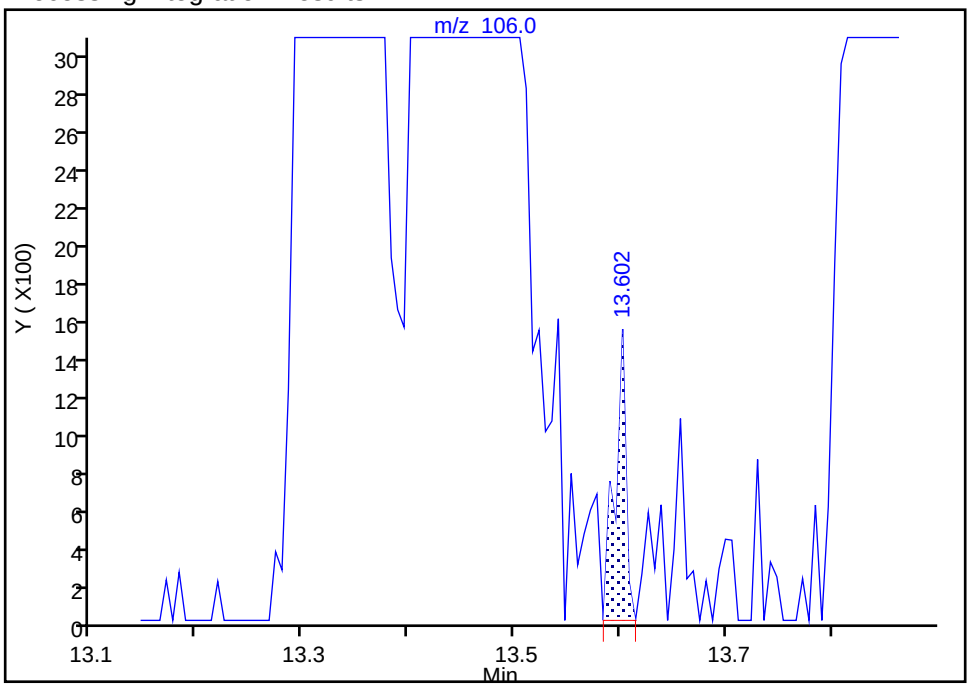
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

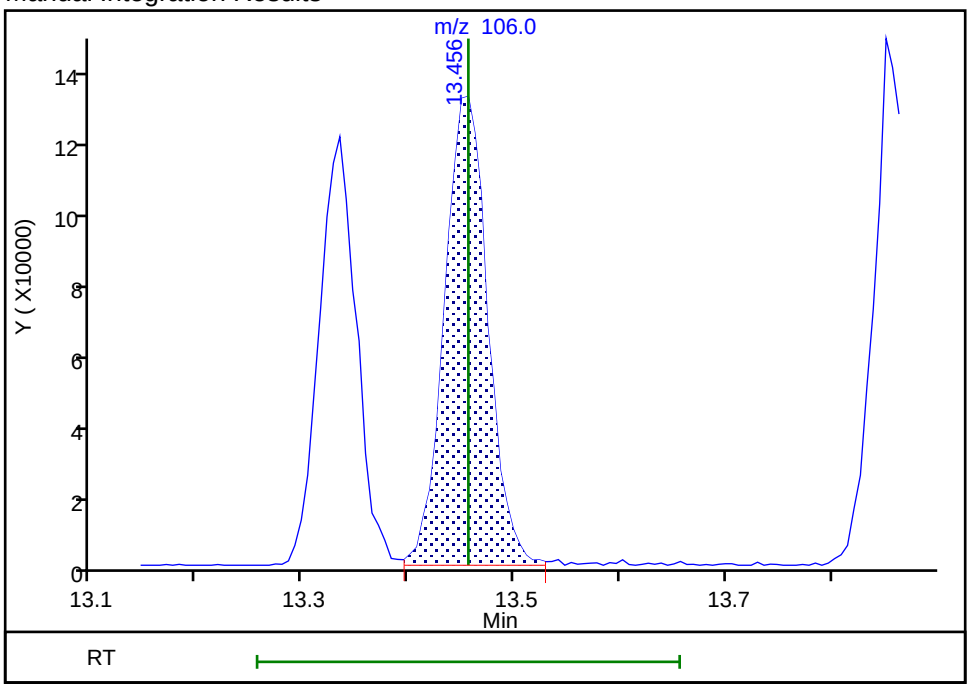
Processing Integration Results

RT: 13.60
Area: 1086
Amount: 3.010562
Amount Units: ng



Manual Integration Results

RT: 13.46
Area: 374020
Amount: 38.696895
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:42:55

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

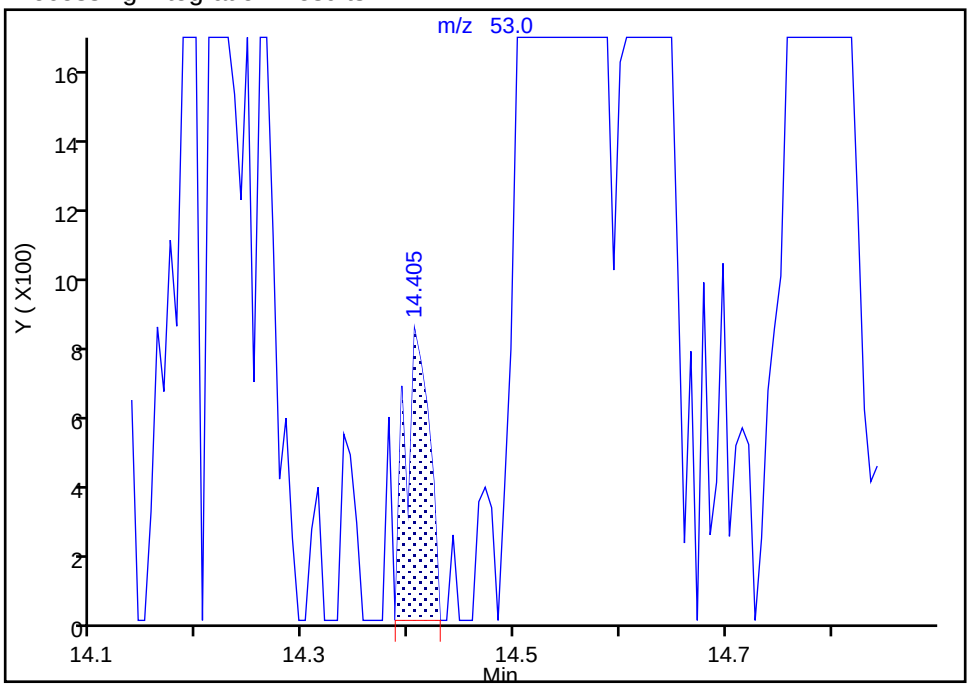
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

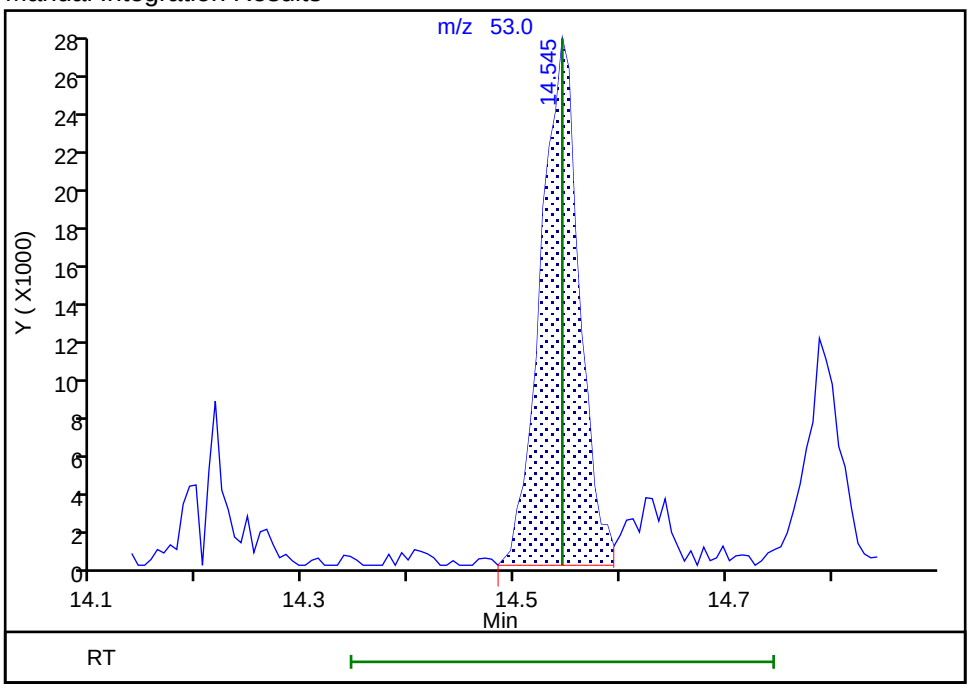
Processing Integration Results

RT: 14.41
Area: 1278
Amount: 2.448840
Amount Units: ng



Manual Integration Results

RT: 14.55
Area: 70955
Amount: 72.856575
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

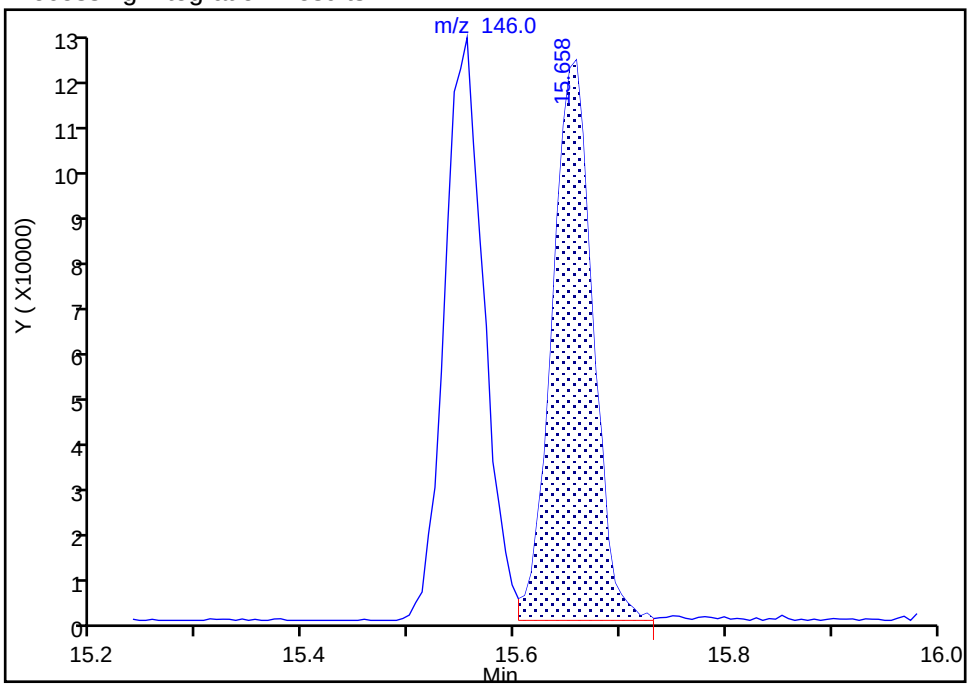
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

109 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

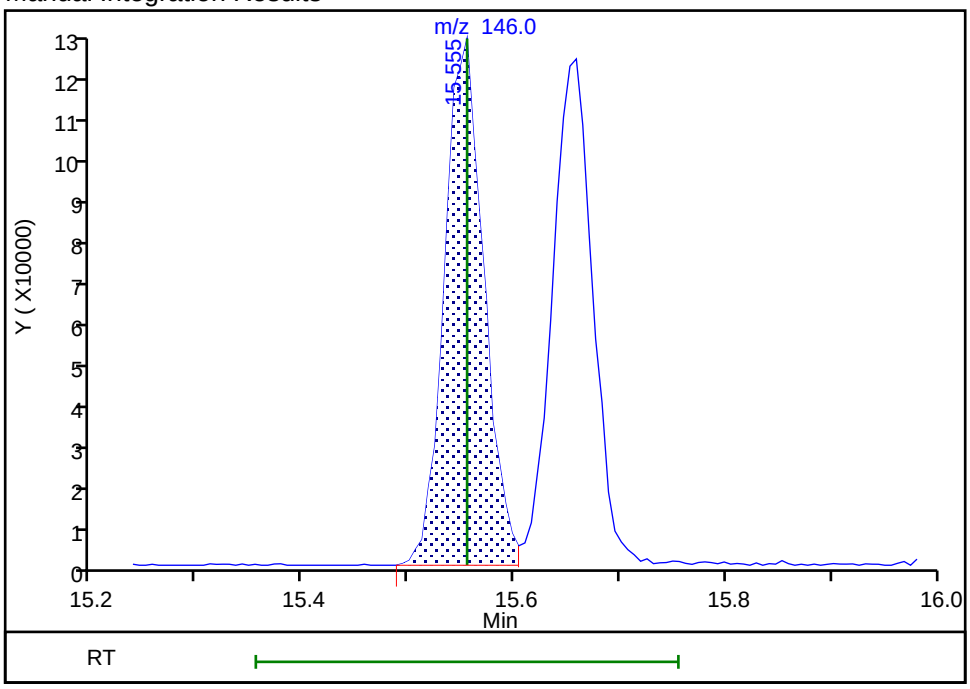
Processing Integration Results

RT: 15.66
Area: 326662
Amount: 43.511112
Amount Units: ng



Manual Integration Results

RT: 15.56
Area: 328343
Amount: 43.735020
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:07

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

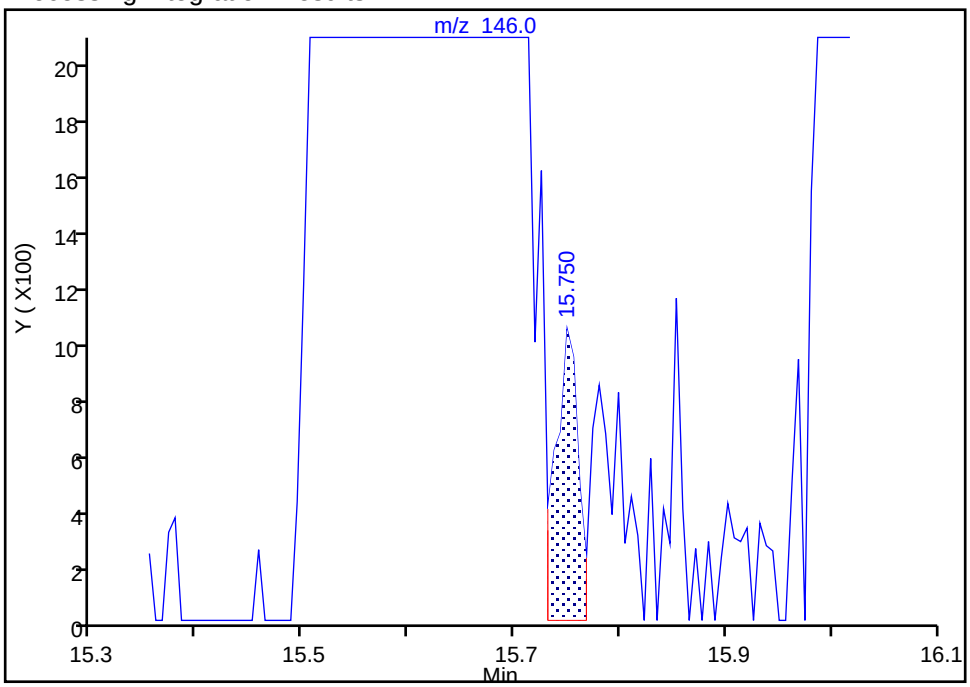
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126002.D				
Injection Date:	26-Nov-2021 13:07:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	2	Worklist Smp#:	2
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

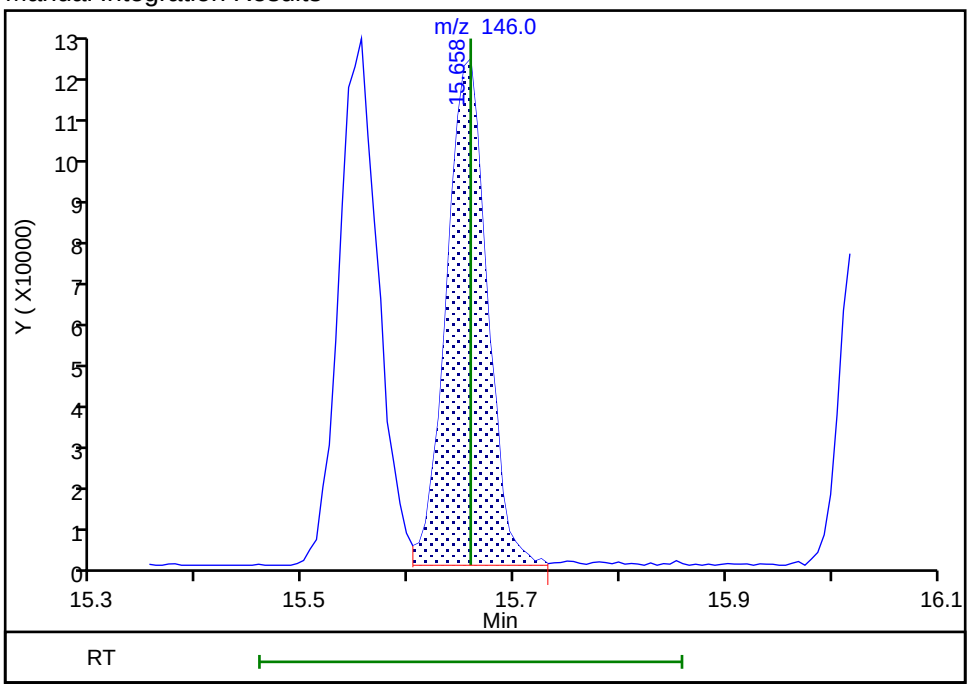
Processing Integration Results

RT: 15.75
Area: 1533
Amount: 0.201187
Amount Units: ng



Manual Integration Results

RT: 15.66
Area: 326662
Amount: 42.870346
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 13:43:11

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380301/4 Calibration Date: 11/27/2021 15:04

Instrument ID: CHHP6 Calib Start Date: 04/13/2020 10:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/13/2020 13:43

Lab File ID: 61127004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Chloroethyl vinyl ether	Ave	0.1585	0.0751		9.47	20.0	47	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Nov-2021 15:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-004
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub116

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 10:09:07 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 27-Nov-2021 15:38:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	42	410307	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	68	1030639	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.238	0.000	31	217953	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.623	0.000	30	261769	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.448	0.000	47	219059	50.0	50.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	289434	50.0	42.6	
$ 7 Toluene-d8 (Surr)	98	11.760	11.760	0.000	44	922629	50.0	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	289422	50.0	44.6	
11 Dichlorodifluoromethane	85	3.401	3.401	0.000	33	301518	50.0	42.2	
12 Chloromethane	50	3.809	3.809	0.000	31	436375	50.0	51.8	
13 Vinyl chloride	62	4.101	4.101	0.000	22	339277	50.0	48.3	
14 Butadiene	39	4.186	4.186	0.000	50	422218	50.0	50.5	
15 Bromomethane	94	4.831	4.831	0.000	41	153822	50.0	37.7	
16 Chloroethane	64	5.093	5.093	0.000	21	204423	50.0	42.8	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	41	438311	50.0	39.3	
18 Trichlorofluoromethane	101	5.585	5.585	0.000	47	345308	50.0	35.8	
20 Ethyl ether	59	6.109	6.109	0.000	45	310193	50.0	61.3	
21 Acrolein	56	6.352	6.352	0.000	39	127764	150.0	146.3	
22 1,1-Dichloroethene	96	6.522	6.522	0.000	37	246809	50.0	54.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	263777	50.0	49.8	
24 Acetone	43	6.589	6.589	0.000	25	450256	150.0	207.0	
25 Iodomethane	142	6.772	6.772	0.000	37	325084	50.0	48.3	
26 Carbon disulfide	76	6.863	6.863	0.000	33	813526	50.0	58.9	
30 Methyl acetate	43	7.064	7.064	0.000	46	979528	100.0	213.6	
29 3-Chloro-1-propene	76	7.070	7.070	0.000	25	152586	50.0	53.0	
31 Methylene Chloride	84	7.307	7.307	0.000	90	307144	50.0	48.0	a
32 2-Methyl-2-propanol	59	7.429	7.429	0.000	44	273393	500.0	569.7	
33 Acrylonitrile	53	7.605	7.605	0.000	43	1754002	500.0	712.8	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	47	699869	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.648	7.648	0.000	39	284006	50.0	48.3	
36 Hexane	57	8.007	8.007	0.000	15	585530	50.0	65.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.207	8.207	0.000	97	384060	50.0	49.7	a
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	560740	50.0	50.4	
44 2-Butanone (MEK)	43	8.883	8.883	0.000	47	580676	150.0	205.9	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	48	301011	50.0	48.3	
42 2,2-Dichloropropane	97	8.913	8.913	0.000	46	52631	50.0	35.7	
48 Chlorobromomethane	128	9.175	9.175	0.000	27	134880	50.0	48.6	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	263304	100.0	174.5	
50 Chloroform	83	9.272	9.272	0.000	34	441052	50.0	43.0	
51 1,1,1-Trichloroethane	97	9.485	9.485	0.000	41	334552	50.0	38.3	
52 Cyclohexane	56	9.570	9.570	0.000	47	672620	50.0	62.5	
54 1,1-Dichloropropene	75	9.637	9.637	0.000	68	350575	50.0	45.5	
53 Carbon tetrachloride	117	9.655	9.655	0.000	27	273004	50.0	38.8	
55 Isobutyl alcohol	41	9.692	9.692	0.000	90	351105	1250.0	1879.0	a
56 Benzene	78	9.868	9.868	0.000	42	1163275	50.0	48.7	
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	422913	50.0	47.8	
59 n-Heptane	43	10.111	10.111	0.000	43	691071	50.0	108.9	E
61 Trichloroethene	130	10.537	10.537	0.000	44	253959	50.0	44.6	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	45	318982	50.0	50.3	
65 1,4-Dioxane	88	10.866	10.866	0.000	33	66581	1000.0	1386.5	
67 Dibromomethane	93	10.902	10.902	0.000	36	154094	50.0	50.8	
63 Methylcyclohexane	83	10.921	10.921	0.000	52	1782	50.0	1.60	
68 Dichlorobromomethane	83	11.054	11.054	0.000	31	301473	50.0	45.5	
70 2-Chloroethyl vinyl ether	63	11.286	11.286	0.000	34	154745	100.0	47.4	
71 cis-1,3-Dichloropropene	75	11.480	11.480	0.000	37	370705	50.0	57.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.596	0.000	46	772970	150.0	142.3	
73 Toluene	91	11.833	11.833	0.000	45	1199461	50.0	49.1	
75 Ethyl methacrylate	69	12.022	12.022	0.000	49	275761	50.0	60.4	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	38	339281	50.0	52.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	93	254194	50.0	53.7	
77 Tetrachloroethene	164	12.362	12.362	0.000	43	206998	50.0	44.4	
79 2-Hexanone	43	12.411	12.411	0.000	33	620400	150.0	169.0	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	452189	50.0	52.0	
81 Chlorodibromomethane	129	12.642	12.642	0.000	35	200317	50.0	49.8	
82 Ethylene Dibromide	107	12.800	12.800	0.000	34	219284	50.0	50.9	
84 Chlorobenzene	112	13.269	13.269	0.000	22	733463	50.0	50.1	
87 Ethylbenzene	106	13.330	13.330	0.000	45	367105	50.0	45.7	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	240829	50.0	50.8	
88 m-Xylene & p-Xylene	106	13.451	13.451	0.000	32	447208	50.0	43.2	
89 o-Xylene	106	13.853	13.853	0.000	33	429908	50.0	52.0	
90 Styrene	104	13.871	13.871	0.000	52	660551	50.0	44.0	
91 Bromoform	173	14.102	14.102	0.000	38	108297	50.0	58.7	
93 Isopropylbenzene	105	14.206	14.206	0.000	47	1036603	50.0	41.5	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	267607	50.0	52.5	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.534	0.000	59	87758	50.0	78.6	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	92194	50.0	54.7	
95 Bromobenzene	156	14.595	14.595	0.000	46	255968	50.0	54.1	
99 N-Propylbenzene	120	14.632	14.632	0.000	34	307967	50.0	58.2	
100 2-Chlorotoluene	126	14.765	14.765	0.000	43	248537	50.0	53.8	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	850593	50.0	50.6	
103 4-Chlorotoluene	126	14.881	14.881	0.000	39	252986	50.0	53.5	
104 tert-Butylbenzene	119	15.136	15.136	0.000	42	820141	50.0	58.8	
106 1,2,4-Trimethylbenzene	105	15.191	15.191	0.000	39	849929	50.0	51.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.374	15.374	0.000	31	1065207	50.0	61.2	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	851757	50.0	55.6	
109 1,3-Dichlorobenzene	146	15.550	15.550	0.000	97	423898	50.0	49.3	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	416208	50.0	47.7	a
116 n-Butylbenzene	91	15.939	15.939	0.000	38	658801	50.0	63.3	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	356656	50.0	47.4	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	64	24385	50.0	51.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	78182	50.0	40.8	
123 Hexachlorobutadiene	225	17.691	17.691	0.000	41	70456	50.0	69.9	
124 Naphthalene	128	17.880	17.880	0.000	20	144048	50.0	52.8	
125 1,2,3-Trichlorobenzene	180	18.087	18.087	0.000	96	59183	50.0	59.0	a
S 130 1,2-Dichloroethene, Total	96				0		100.0	96.6	
S 131 Xylenes, Total	106				0		100.0	95.1	
S 154 Total BTEX	1				0		250.0	238.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL
VOA8260SURR_00128	Amount Added:	2.00	Units: uL
VOAACRPRI_00042	Amount Added:	6.00	Units: uL
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL
VOAVAPRI_00051	Amount Added:	2.00	Units: uL
VOA8260VOA2ND_00475	Amount Added:	2.00	Units: uL

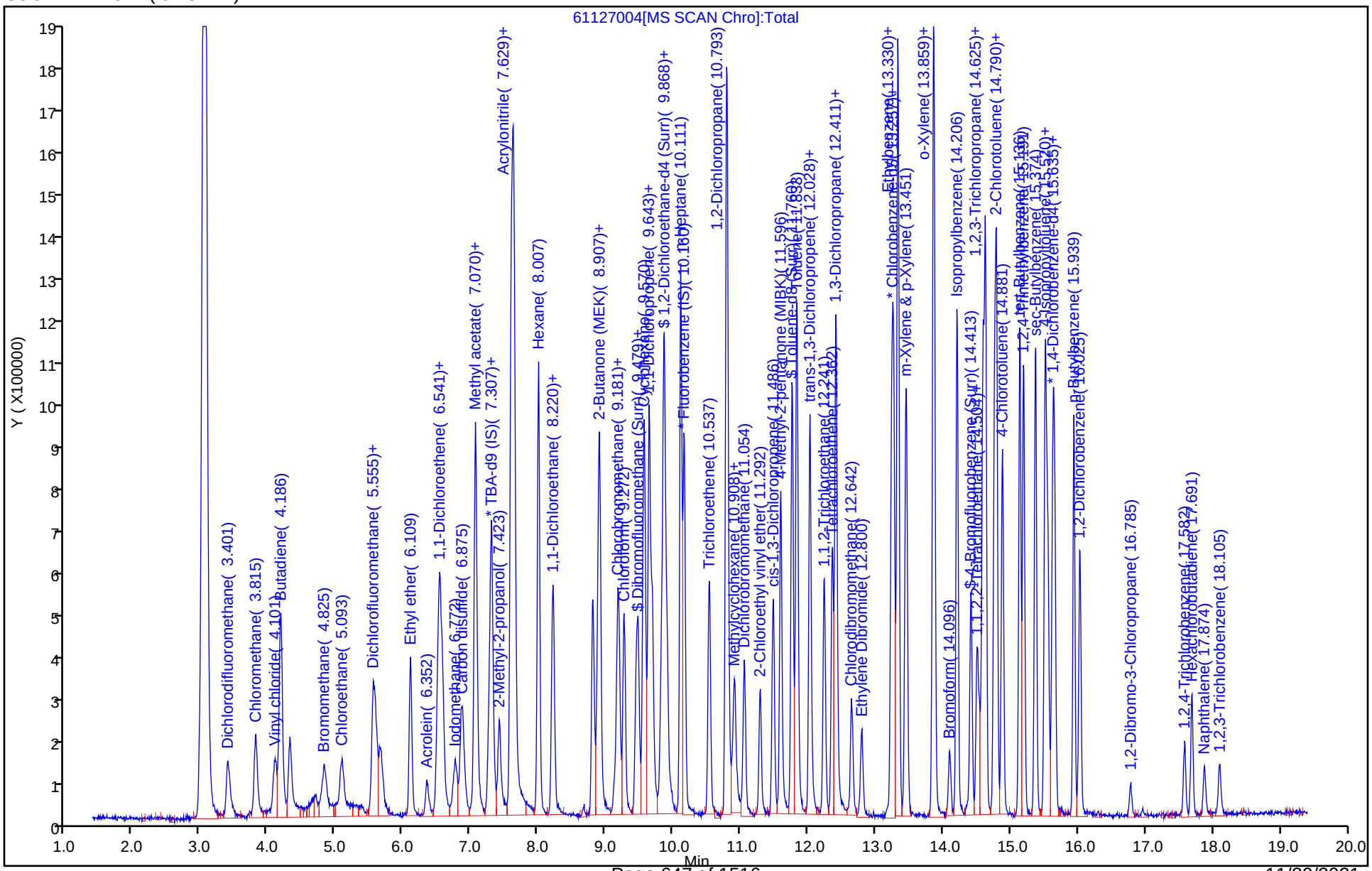
Report Date: 28-Nov-2021 10:09:09 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D

Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380301/4 Calibration Date: 11/27/2021 15:04

Instrument ID: CHHP6 Calib Start Date: 07/16/2020 11:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/16/2020 17:59

Lab File ID: 61127004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Acrolein	Ave	0.0424	0.0413		29.3	30.0	98	60-140
Vinyl acetate	Ave	0.3746	0.3726		9.95	10.0	99	10-170

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Nov-2021 15:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-004
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub116

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 10:09:07 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 27-Nov-2021 15:38:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	42	410307	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	68	1030639	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.238	0.000	31	217953	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.623	0.000	30	261769	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.448	0.000	47	219059	50.0	50.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	289434	50.0	42.6	
$ 7 Toluene-d8 (Surr)	98	11.760	11.760	0.000	44	922629	50.0	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	289422	50.0	44.6	
11 Dichlorodifluoromethane	85	3.401	3.401	0.000	33	301518	50.0	42.2	
12 Chloromethane	50	3.809	3.809	0.000	31	436375	50.0	51.8	
13 Vinyl chloride	62	4.101	4.101	0.000	22	339277	50.0	48.3	
14 Butadiene	39	4.186	4.186	0.000	50	422218	50.0	50.5	
15 Bromomethane	94	4.831	4.831	0.000	41	153822	50.0	37.7	
16 Chloroethane	64	5.093	5.093	0.000	21	204423	50.0	42.8	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	41	438311	50.0	39.3	
18 Trichlorofluoromethane	101	5.585	5.585	0.000	47	345308	50.0	35.8	
20 Ethyl ether	59	6.109	6.109	0.000	45	310193	50.0	61.3	
21 Acrolein	56	6.352	6.352	0.000	39	127764	150.0	146.3	
22 1,1-Dichloroethene	96	6.522	6.522	0.000	37	246809	50.0	54.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	263777	50.0	49.8	
24 Acetone	43	6.589	6.589	0.000	25	450256	150.0	207.0	
25 Iodomethane	142	6.772	6.772	0.000	37	325084	50.0	48.3	
26 Carbon disulfide	76	6.863	6.863	0.000	33	813526	50.0	58.9	
30 Methyl acetate	43	7.064	7.064	0.000	46	979528	100.0	213.6	
29 3-Chloro-1-propene	76	7.070	7.070	0.000	25	152586	50.0	53.0	
31 Methylene Chloride	84	7.307	7.307	0.000	90	307144	50.0	48.0	a
32 2-Methyl-2-propanol	59	7.429	7.429	0.000	44	273393	500.0	569.7	
33 Acrylonitrile	53	7.605	7.605	0.000	43	1754002	500.0	712.8	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	47	699869	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.648	7.648	0.000	39	284006	50.0	48.3	
36 Hexane	57	8.007	8.007	0.000	15	585530	50.0	65.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.207	8.207	0.000	97	384060	50.0	49.7	a
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	560740	50.0	50.4	
44 2-Butanone (MEK)	43	8.883	8.883	0.000	47	580676	150.0	205.9	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	48	301011	50.0	48.3	
42 2,2-Dichloropropane	97	8.913	8.913	0.000	46	52631	50.0	35.7	
48 Chlorobromomethane	128	9.175	9.175	0.000	27	134880	50.0	48.6	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	263304	100.0	174.5	
50 Chloroform	83	9.272	9.272	0.000	34	441052	50.0	43.0	
51 1,1,1-Trichloroethane	97	9.485	9.485	0.000	41	334552	50.0	38.3	
52 Cyclohexane	56	9.570	9.570	0.000	47	672620	50.0	62.5	
54 1,1-Dichloropropene	75	9.637	9.637	0.000	68	350575	50.0	45.5	
53 Carbon tetrachloride	117	9.655	9.655	0.000	27	273004	50.0	38.8	
55 Isobutyl alcohol	41	9.692	9.692	0.000	90	351105	1250.0	1879.0	a
56 Benzene	78	9.868	9.868	0.000	42	1163275	50.0	48.7	
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	422913	50.0	47.8	
59 n-Heptane	43	10.111	10.111	0.000	43	691071	50.0	108.9	E
61 Trichloroethene	130	10.537	10.537	0.000	44	253959	50.0	44.6	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	45	318982	50.0	50.3	
65 1,4-Dioxane	88	10.866	10.866	0.000	33	66581	1000.0	1386.5	
67 Dibromomethane	93	10.902	10.902	0.000	36	154094	50.0	50.8	
63 Methylcyclohexane	83	10.921	10.921	0.000	52	1782	50.0	1.60	
68 Dichlorobromomethane	83	11.054	11.054	0.000	31	301473	50.0	45.5	
70 2-Chloroethyl vinyl ether	63	11.286	11.286	0.000	34	154745	100.0	47.4	
71 cis-1,3-Dichloropropene	75	11.480	11.480	0.000	37	370705	50.0	57.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.596	0.000	46	772970	150.0	142.3	
73 Toluene	91	11.833	11.833	0.000	45	1199461	50.0	49.1	
75 Ethyl methacrylate	69	12.022	12.022	0.000	49	275761	50.0	60.4	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	38	339281	50.0	52.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	93	254194	50.0	53.7	
77 Tetrachloroethene	164	12.362	12.362	0.000	43	206998	50.0	44.4	
79 2-Hexanone	43	12.411	12.411	0.000	33	620400	150.0	169.0	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	452189	50.0	52.0	
81 Chlorodibromomethane	129	12.642	12.642	0.000	35	200317	50.0	49.8	
82 Ethylene Dibromide	107	12.800	12.800	0.000	34	219284	50.0	50.9	
84 Chlorobenzene	112	13.269	13.269	0.000	22	733463	50.0	50.1	
87 Ethylbenzene	106	13.330	13.330	0.000	45	367105	50.0	45.7	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	240829	50.0	50.8	
88 m-Xylene & p-Xylene	106	13.451	13.451	0.000	32	447208	50.0	43.2	
89 o-Xylene	106	13.853	13.853	0.000	33	429908	50.0	52.0	
90 Styrene	104	13.871	13.871	0.000	52	660551	50.0	44.0	
91 Bromoform	173	14.102	14.102	0.000	38	108297	50.0	58.7	
93 Isopropylbenzene	105	14.206	14.206	0.000	47	1036603	50.0	41.5	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	267607	50.0	52.5	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.534	0.000	59	87758	50.0	78.6	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	92194	50.0	54.7	
95 Bromobenzene	156	14.595	14.595	0.000	46	255968	50.0	54.1	
99 N-Propylbenzene	120	14.632	14.632	0.000	34	307967	50.0	58.2	
100 2-Chlorotoluene	126	14.765	14.765	0.000	43	248537	50.0	53.8	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	850593	50.0	50.6	
103 4-Chlorotoluene	126	14.881	14.881	0.000	39	252986	50.0	53.5	
104 tert-Butylbenzene	119	15.136	15.136	0.000	42	820141	50.0	58.8	
106 1,2,4-Trimethylbenzene	105	15.191	15.191	0.000	39	849929	50.0	51.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.374	15.374	0.000	31	1065207	50.0	61.2	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	851757	50.0	55.6	
109 1,3-Dichlorobenzene	146	15.550	15.550	0.000	97	423898	50.0	49.3	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	416208	50.0	47.7	a
116 n-Butylbenzene	91	15.939	15.939	0.000	38	658801	50.0	63.3	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	356656	50.0	47.4	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	64	24385	50.0	51.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	78182	50.0	40.8	
123 Hexachlorobutadiene	225	17.691	17.691	0.000	41	70456	50.0	69.9	
124 Naphthalene	128	17.880	17.880	0.000	20	144048	50.0	52.8	
125 1,2,3-Trichlorobenzene	180	18.087	18.087	0.000	96	59183	50.0	59.0	a
S 130 1,2-Dichloroethene, Total	96				0		100.0	96.6	
S 131 Xylenes, Total	106				0		100.0	95.1	
S 154 Total BTEX	1				0		250.0	238.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL
VOA8260SURR_00128	Amount Added:	2.00	Units: uL
VOAACRPRI_00042	Amount Added:	6.00	Units: uL
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL
VOAVAPRI_00051	Amount Added:	2.00	Units: uL
VOA8260VOA2ND_00475	Amount Added:	2.00	Units: uL

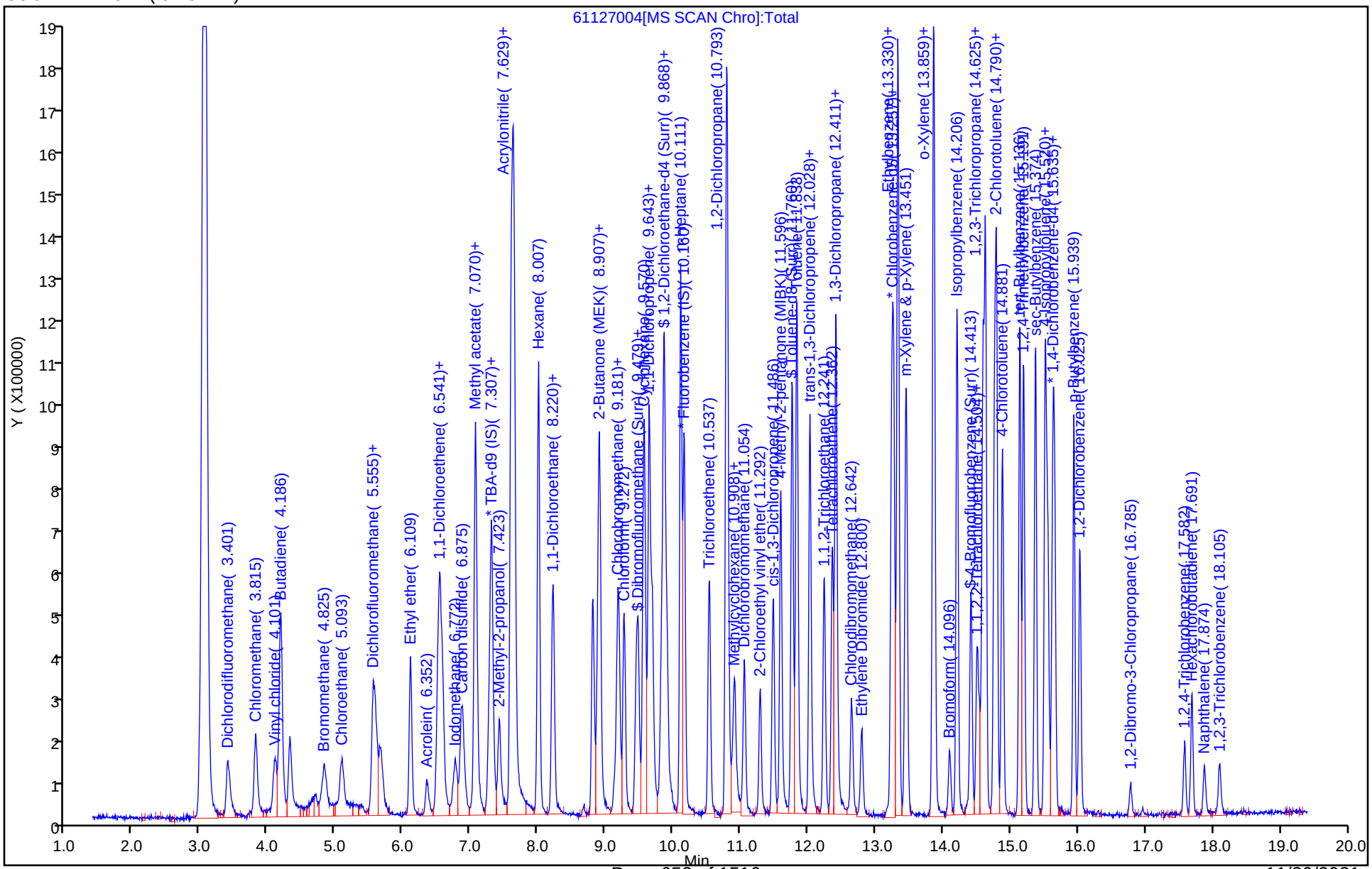
Report Date: 28-Nov-2021 10:09:09 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D

Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

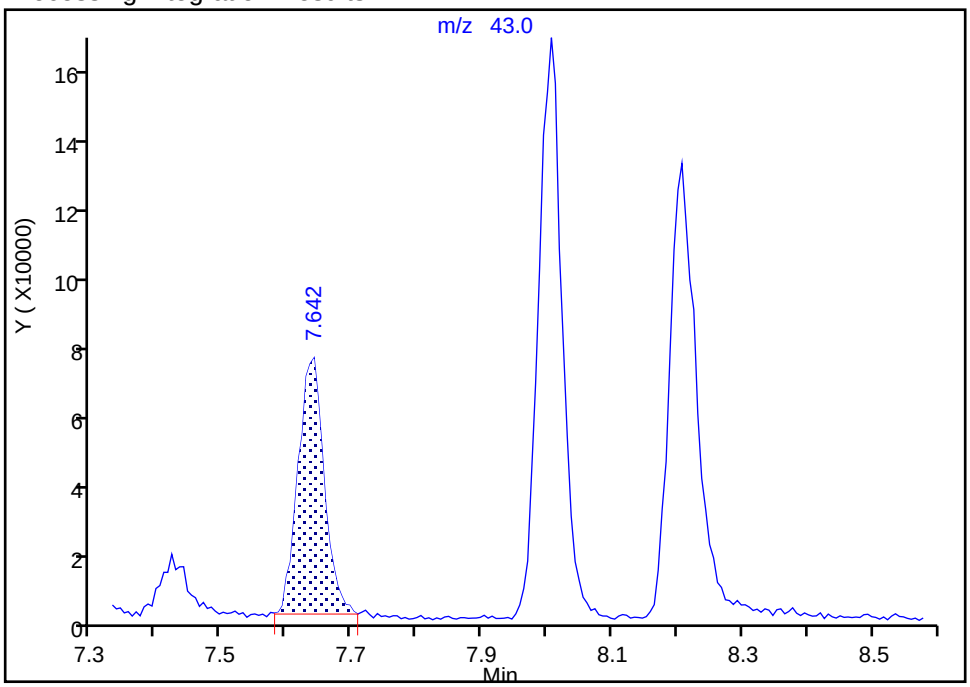
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

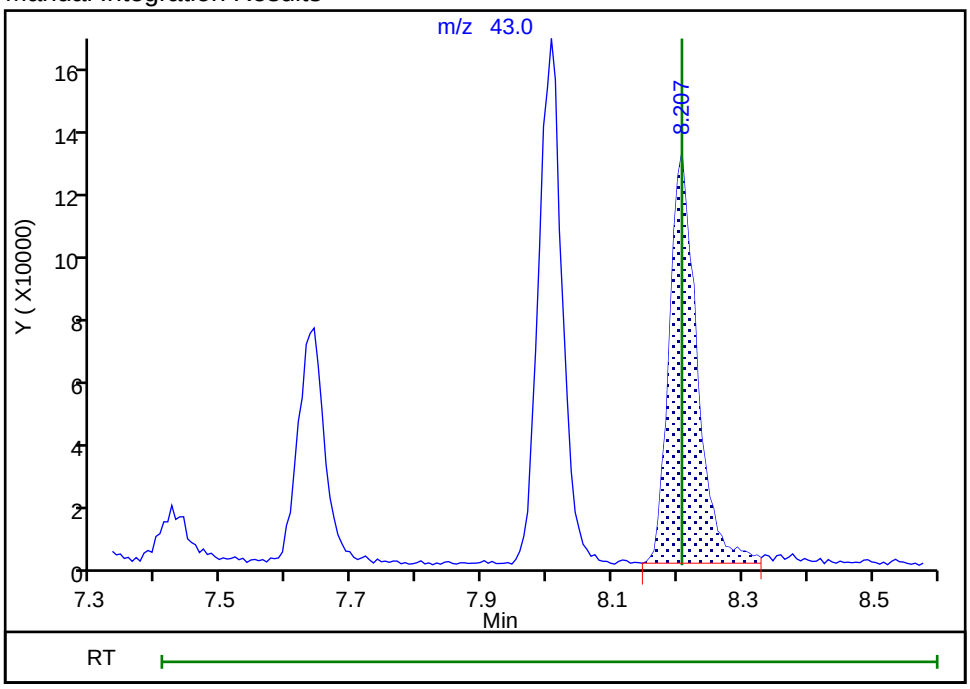
Processing Integration Results

RT: 7.64
Area: 203285
Amount: 26.324896
Amount Units: ng



Manual Integration Results

RT: 8.21
Area: 384060
Amount: 49.734804
Amount Units: ng



Reviewer: journetp, 28-Nov-2021 09:39:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380301/4 Calibration Date: 11/27/2021 15:04

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61127004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.3464	0.2926		8.44	10.0	84	16-157
Chloromethane	Ave	0.4085	0.4234	0.1000	10.4	10.0	104	10-170
Vinyl chloride	Ave	0.3407	0.3292		9.66	10.0	97	10-170
Bromomethane	Ave	0.1981	0.1492		7.54	10.0	75	15-170
Chloroethane	Ave	0.2319	0.1983		8.55	10.0	86	40-160
Dichlorofluoromethane	Ave	0.5408	0.4253		7.86	10.0	79	39-150
Trichlorofluoromethane	Ave	0.4682	0.3350		7.16	10.0	72	50-150
Ethyl ether	Ave	0.2455	0.3010		12.3	10.0	123	35-134
1,1-Dichloroethene	Ave	0.2213	0.2395		10.8	10.0	108	50-150
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2572	0.2559		9.95	10.0	100	49-150
Acetone	Ave	0.1055	0.1456		41.4	30.0	138	10-170
Iodomethane	Ave	0.3266	0.3154		9.66	10.0	97	49-155
Carbon disulfide	Ave	0.6703	0.7893		11.8	10.0	118	50-152
Methyl acetate	Ave	0.2225	0.4752		42.7	20.0	214*	10-170
3-Chloro-1-propene	Ave	0.1397	0.1480		10.6	10.0	106	53-137
Methylene Chloride	Lin1		0.2980		9.59	10.0	96	60-140
2-Methyl-2-propanol	Ave	1.170	1.333		114	100	114	56-129
Acrylonitrile	Ave	0.1194	0.1702		143	100	143*	60-140
Methyl tert-butyl ether	Ave	0.6047	0.6791		11.2	10.0	112	40-162
trans-1,2-Dichloroethene	Ave	0.2851	0.2756		9.66	10.0	97	70-130
Hexane	Ave	0.4360	0.5681		13.0	10.0	130	31-148
1,1-Dichloroethane	Ave	0.5400	0.5441	0.1000	10.1	10.0	101	70-130
2-Butanone (MEK)	Ave	0.1368	0.1878		41.2	30.0	137	10-170
cis-1,2-Dichloroethene	Ave	0.3026	0.2921		9.65	10.0	97	67-124
2,2-Dichloropropane	Ave	0.0714	0.0511		7.15	10.0	71	42-144
Chlorobromomethane	Ave	0.1346	0.1309		9.73	10.0	97	55-147
Tetrahydrofuran	Ave	0.0732	0.1277		34.9	20.0	175*	10-170
Chloroform	Ave	0.4974	0.4279		8.60	10.0	86	70-135
1,1,1-Trichloroethane	Ave	0.4241	0.3246		7.65	10.0	77	70-130
Cyclohexane	Ave	0.5222	0.6526		12.5	10.0	125	36-150
1,1-Dichloropropene	Ave	0.3739	0.3402		9.10	10.0	91	57-132
Carbon tetrachloride	Ave	0.3412	0.2649		7.76	10.0	78	70-130
Isobutyl alcohol	Ave	0.0091	0.0136		376	250	150	10-170
Benzene	Ave	1.159	1.129		9.74	10.0	97	65-135
1,2-Dichloroethane	Ave	0.4295	0.4103		9.55	10.0	96	70-130
Trichloroethene	Ave	0.2764	0.2464		8.91	10.0	89	65-135
1,2-Dichloropropane	Ave	0.3079	0.3095		10.1	10.0	101	35-165
1,4-Dioxane	Ave	0.0023	0.0032		277	200	139	10-170
Dibromomethane	Ave	0.1471	0.1495		10.2	10.0	102	48-151
Methylcyclohexane	Lin1		0.0017			10.0	3*	30-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380301/4 Calibration Date: 11/27/2021 15:04

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61127004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorobromomethane	Ave	0.3216	0.2925		9.09	10.0	91	65-135
cis-1,3-Dichloropropene	Ave	0.3158	0.3597		11.4	10.0	114	25-170
4-Methyl-2-pentanone (MIBK)	Lin2		1.182		28.5	30.0	95	12-152
Toluene	Ave	5.610	5.503		9.81	10.0	98	70-130
Ethyl methacrylate	Qua1		1.265		12.1	10.0	121	37-166
trans-1,3-Dichloropropene	Ave	1.484	1.557		10.5	10.0	105	50-150
1,1,2-Trichloroethane	Ave	1.085	1.166		10.7	10.0	107	70-130
Tetrachloroethene	Ave	1.068	0.9497		8.89	10.0	89	70-130
2-Hexanone	Lin2		0.9488		33.8	30.0	113	10-157
1,3-Dichloropropane	Ave	1.996	2.075		10.4	10.0	104	50-134
Chlorodibromomethane	Ave	0.9234	0.9191		9.95	10.0	100	70-135
Ethylene Dibromide	Ave	0.9882	1.006		10.2	10.0	102	46-138
Chlorobenzene	Ave	3.359	3.365	0.3000	10.0	10.0	100	65-135
Ethylbenzene	Lin1		1.684		9.15	10.0	91	60-140
1,1,1,2-Tetrachloroethane	Ave	1.088	1.105		10.2	10.0	102	66-137
m-Xylene & p-Xylene	Lin1		2.052		8.63	10.0	86	60-130
o-Xylene	Ave	1.897	1.972		10.4	10.0	104	62-133
Styrene	Lin1		3.031		8.80	10.0	88	64-119
Bromoform	Ave	0.4232	0.4969	0.1000	11.7	10.0	117	70-130
Isopropylbenzene	Lin2		4.756		8.30	10.0	83	47-143
1,1,2,2-Tetrachloroethane	Ave	1.169	1.228	0.3000	10.5	10.0	105	60-140
trans-1,4-Dichloro-2-butene	Lin1		0.3352		15.7	10.0	157	10-170
1,2,3-Trichloropropane	Ave	0.3221	0.3522		10.9	10.0	109	30-142
Bromobenzene	Ave	0.9030	0.9778		10.8	10.0	108	64-131
N-Propylbenzene	Lin2		1.176		11.6	10.0	116	37-166
2-Chlorotoluene	Ave	0.8817	0.9495		10.8	10.0	108	48-145
1,3,5-Trimethylbenzene	Lin2		3.249		10.1	10.0	101	50-150
4-Chlorotoluene	Ave	0.9038	0.9664		10.7	10.0	107	53-140
tert-Butylbenzene	Lin2		3.133		11.8	10.0	118	19-170
1,2,4-Trimethylbenzene	Lin2		3.247		10.3	10.0	103	37-147
sec-Butylbenzene	Lin2		4.069		12.2	10.0	122	20-170
4-Isopropyltoluene	Lin1		3.254		11.1	10.0	111	19-170
1,3-Dichlorobenzene	Ave	1.643	1.619		9.86	10.0	99	70-130
1,4-Dichlorobenzene	Ave	1.667	1.590		9.54	10.0	95	65-135
n-Butylbenzene	Lin1		2.517		12.7	10.0	127	10-170
1,2-Dichlorobenzene	Ave	1.438	1.362		9.47	10.0	95	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.0906	0.0932		10.3	10.0	103	10-170
1,2,4-Trichlorobenzene	Ave	0.3663	0.2987		8.15	10.0	82	10-170
Hexachlorobutadiene	Lin2		0.2692		14.0	10.0	140	10-170
Naphthalene	Qua1		0.5503		10.6	10.0	106	10-170
1,2,3-Trichlorobenzene	Ave	0.1916	0.2261		11.8	10.0	118	10-170

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Lab Sample ID: CCVIS 180-380301/4 Calibration Date: 11/27/2021 15:04

Instrument ID: CHHP6 Calib Start Date: 11/05/2020 10:26

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/05/2020 18:41

Lab File ID: 61127004.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
Dibromofluoromethane (Surr)	Ave	0.2118	0.2125		10.0	10.0	0.4	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3293	0.2808		8.53	10.0	-14.7	
Toluene-d8 (Surr)	Ave	4.481	4.233		9.45	10.0	-5.5	
4-Bromofluorobenzene (Surr)	Ave	1.487	1.328		8.93	10.0	-10.7	

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Nov-2021 15:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-004
Operator ID: 0034635 Instrument ID: CHHP6
Sublist: chrom-MSVOA_LL_CHHP6*sub116

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 10:09:07 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 27-Nov-2021 15:38:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	42	410307	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	68	1030639	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.238	0.000	31	217953	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.623	0.000	30	261769	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.448	0.000	47	219059	50.0	50.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	289434	50.0	42.6	
$ 7 Toluene-d8 (Surr)	98	11.760	11.760	0.000	44	922629	50.0	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	289422	50.0	44.6	
11 Dichlorodifluoromethane	85	3.401	3.401	0.000	33	301518	50.0	42.2	
12 Chloromethane	50	3.809	3.809	0.000	31	436375	50.0	51.8	
13 Vinyl chloride	62	4.101	4.101	0.000	22	339277	50.0	48.3	
14 Butadiene	39	4.186	4.186	0.000	50	422218	50.0	50.5	
15 Bromomethane	94	4.831	4.831	0.000	41	153822	50.0	37.7	
16 Chloroethane	64	5.093	5.093	0.000	21	204423	50.0	42.8	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	41	438311	50.0	39.3	
18 Trichlorofluoromethane	101	5.585	5.585	0.000	47	345308	50.0	35.8	
20 Ethyl ether	59	6.109	6.109	0.000	45	310193	50.0	61.3	
21 Acrolein	56	6.352	6.352	0.000	39	127764	150.0	146.3	
22 1,1-Dichloroethene	96	6.522	6.522	0.000	37	246809	50.0	54.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	263777	50.0	49.8	
24 Acetone	43	6.589	6.589	0.000	25	450256	150.0	207.0	
25 Iodomethane	142	6.772	6.772	0.000	37	325084	50.0	48.3	
26 Carbon disulfide	76	6.863	6.863	0.000	33	813526	50.0	58.9	
30 Methyl acetate	43	7.064	7.064	0.000	46	979528	100.0	213.6	
29 3-Chloro-1-propene	76	7.070	7.070	0.000	25	152586	50.0	53.0	
31 Methylene Chloride	84	7.307	7.307	0.000	90	307144	50.0	48.0	a
32 2-Methyl-2-propanol	59	7.429	7.429	0.000	44	273393	500.0	569.7	
33 Acrylonitrile	53	7.605	7.605	0.000	43	1754002	500.0	712.8	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	47	699869	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.648	7.648	0.000	39	284006	50.0	48.3	
36 Hexane	57	8.007	8.007	0.000	15	585530	50.0	65.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
38 Vinyl acetate	43	8.207	8.207	0.000	97	384060	50.0	49.7	a
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	560740	50.0	50.4	
44 2-Butanone (MEK)	43	8.883	8.883	0.000	47	580676	150.0	205.9	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	48	301011	50.0	48.3	
42 2,2-Dichloropropane	97	8.913	8.913	0.000	46	52631	50.0	35.7	
48 Chlorobromomethane	128	9.175	9.175	0.000	27	134880	50.0	48.6	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	263304	100.0	174.5	
50 Chloroform	83	9.272	9.272	0.000	34	441052	50.0	43.0	
51 1,1,1-Trichloroethane	97	9.485	9.485	0.000	41	334552	50.0	38.3	
52 Cyclohexane	56	9.570	9.570	0.000	47	672620	50.0	62.5	
54 1,1-Dichloropropene	75	9.637	9.637	0.000	68	350575	50.0	45.5	
53 Carbon tetrachloride	117	9.655	9.655	0.000	27	273004	50.0	38.8	
55 Isobutyl alcohol	41	9.692	9.692	0.000	90	351105	1250.0	1879.0	a
56 Benzene	78	9.868	9.868	0.000	42	1163275	50.0	48.7	
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	422913	50.0	47.8	
59 n-Heptane	43	10.111	10.111	0.000	43	691071	50.0	108.9	E
61 Trichloroethene	130	10.537	10.537	0.000	44	253959	50.0	44.6	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	45	318982	50.0	50.3	
65 1,4-Dioxane	88	10.866	10.866	0.000	33	66581	1000.0	1386.5	
67 Dibromomethane	93	10.902	10.902	0.000	36	154094	50.0	50.8	
63 Methylcyclohexane	83	10.921	10.921	0.000	52	1782	50.0	1.60	
68 Dichlorobromomethane	83	11.054	11.054	0.000	31	301473	50.0	45.5	
70 2-Chloroethyl vinyl ether	63	11.286	11.286	0.000	34	154745	100.0	47.4	
71 cis-1,3-Dichloropropene	75	11.480	11.480	0.000	37	370705	50.0	57.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.596	0.000	46	772970	150.0	142.3	
73 Toluene	91	11.833	11.833	0.000	45	1199461	50.0	49.1	
75 Ethyl methacrylate	69	12.022	12.022	0.000	49	275761	50.0	60.4	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	38	339281	50.0	52.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	93	254194	50.0	53.7	
77 Tetrachloroethene	164	12.362	12.362	0.000	43	206998	50.0	44.4	
79 2-Hexanone	43	12.411	12.411	0.000	33	620400	150.0	169.0	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	452189	50.0	52.0	
81 Chlorodibromomethane	129	12.642	12.642	0.000	35	200317	50.0	49.8	
82 Ethylene Dibromide	107	12.800	12.800	0.000	34	219284	50.0	50.9	
84 Chlorobenzene	112	13.269	13.269	0.000	22	733463	50.0	50.1	
87 Ethylbenzene	106	13.330	13.330	0.000	45	367105	50.0	45.7	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	240829	50.0	50.8	
88 m-Xylene & p-Xylene	106	13.451	13.451	0.000	32	447208	50.0	43.2	
89 o-Xylene	106	13.853	13.853	0.000	33	429908	50.0	52.0	
90 Styrene	104	13.871	13.871	0.000	52	660551	50.0	44.0	
91 Bromoform	173	14.102	14.102	0.000	38	108297	50.0	58.7	
93 Isopropylbenzene	105	14.206	14.206	0.000	47	1036603	50.0	41.5	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	267607	50.0	52.5	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.534	0.000	59	87758	50.0	78.6	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	92194	50.0	54.7	
95 Bromobenzene	156	14.595	14.595	0.000	46	255968	50.0	54.1	
99 N-Propylbenzene	120	14.632	14.632	0.000	34	307967	50.0	58.2	
100 2-Chlorotoluene	126	14.765	14.765	0.000	43	248537	50.0	53.8	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	850593	50.0	50.6	
103 4-Chlorotoluene	126	14.881	14.881	0.000	39	252986	50.0	53.5	
104 tert-Butylbenzene	119	15.136	15.136	0.000	42	820141	50.0	58.8	
106 1,2,4-Trimethylbenzene	105	15.191	15.191	0.000	39	849929	50.0	51.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
108 sec-Butylbenzene	105	15.374	15.374	0.000	31	1065207	50.0	61.2	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	851757	50.0	55.6	
109 1,3-Dichlorobenzene	146	15.550	15.550	0.000	97	423898	50.0	49.3	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	416208	50.0	47.7	a
116 n-Butylbenzene	91	15.939	15.939	0.000	38	658801	50.0	63.3	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	356656	50.0	47.4	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	64	24385	50.0	51.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	78182	50.0	40.8	
123 Hexachlorobutadiene	225	17.691	17.691	0.000	41	70456	50.0	69.9	
124 Naphthalene	128	17.880	17.880	0.000	20	144048	50.0	52.8	
125 1,2,3-Trichlorobenzene	180	18.087	18.087	0.000	96	59183	50.0	59.0	a
S 130 1,2-Dichloroethene, Total	96				0		100.0	96.6	
S 131 Xylenes, Total	106				0		100.0	95.1	
S 154 Total BTEX	1				0		250.0	238.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL
VOA8260SURR_00128	Amount Added:	2.00	Units: uL
VOAACRPRI_00042	Amount Added:	6.00	Units: uL
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL
VOAVAPRI_00051	Amount Added:	2.00	Units: uL
VOA8260VOA2ND_00475	Amount Added:	2.00	Units: uL

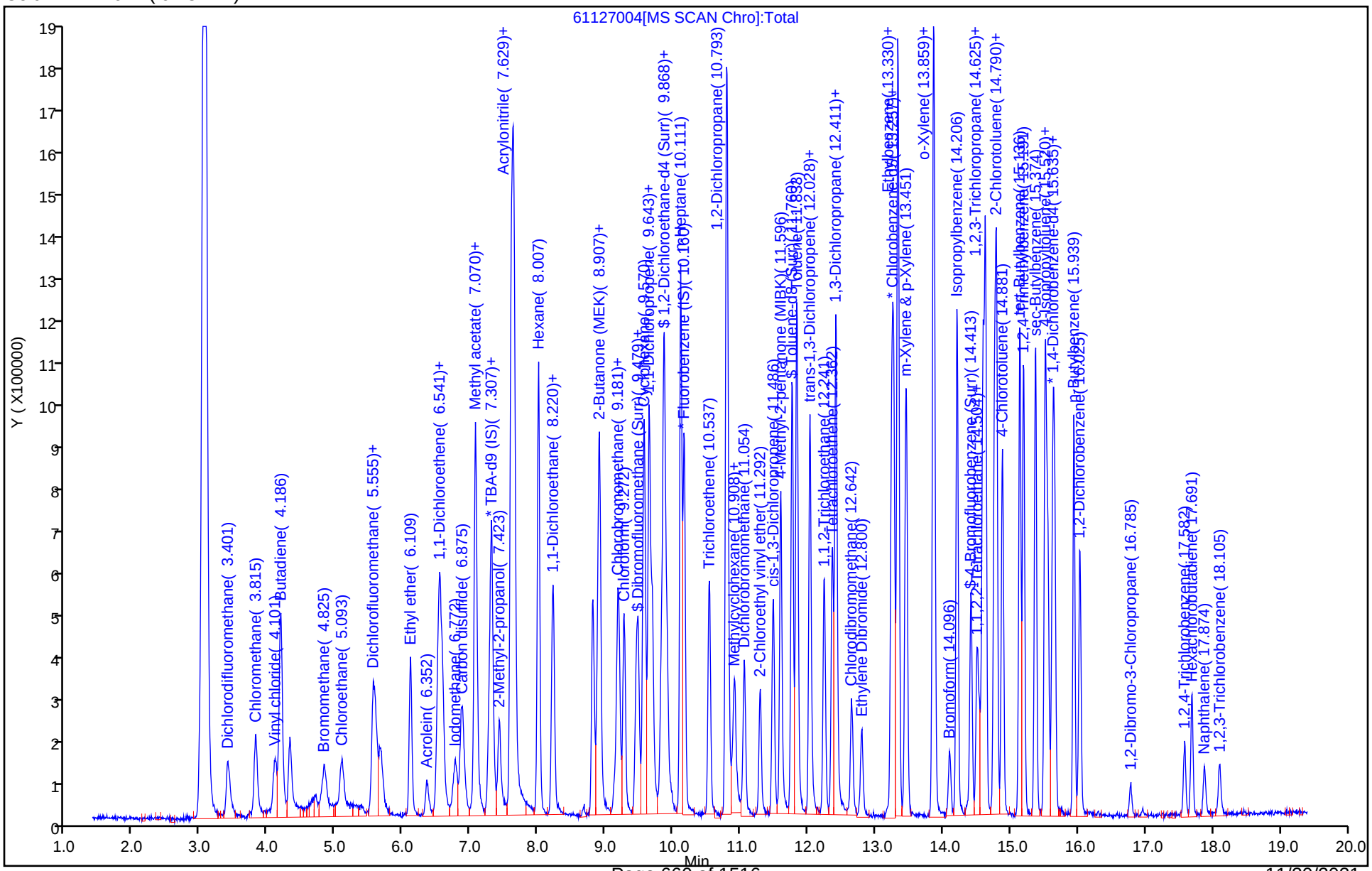
Report Date: 28-Nov-2021 10:09:09 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D

Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

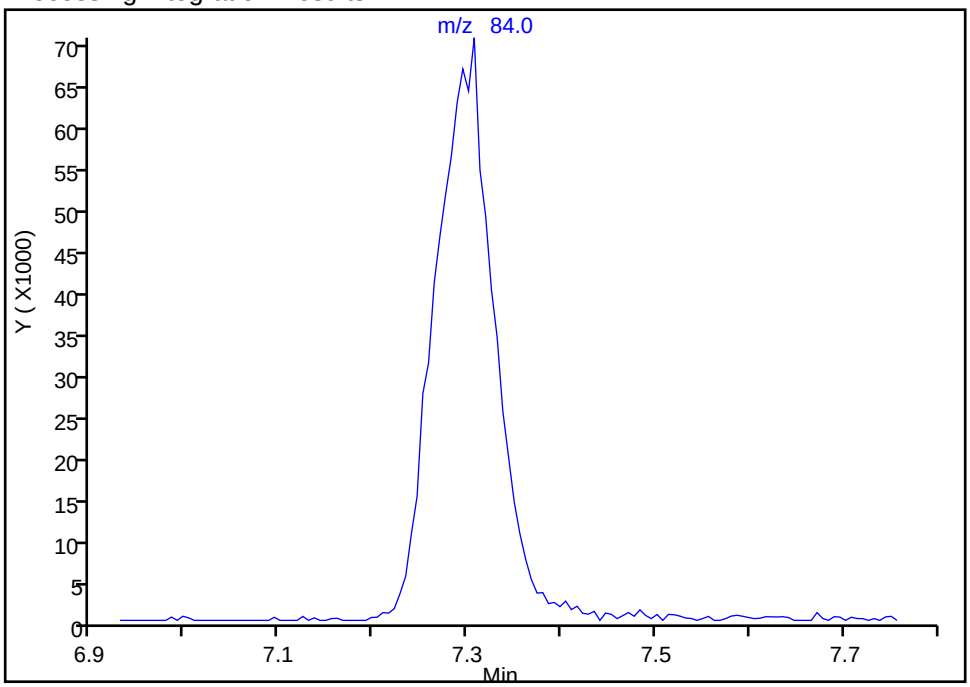
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D
Injection Date: 27-Nov-2021 15:04:30 Instrument ID: CHHP6
Lims ID: CCVIS
Client ID:
Operator ID: 0034635 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

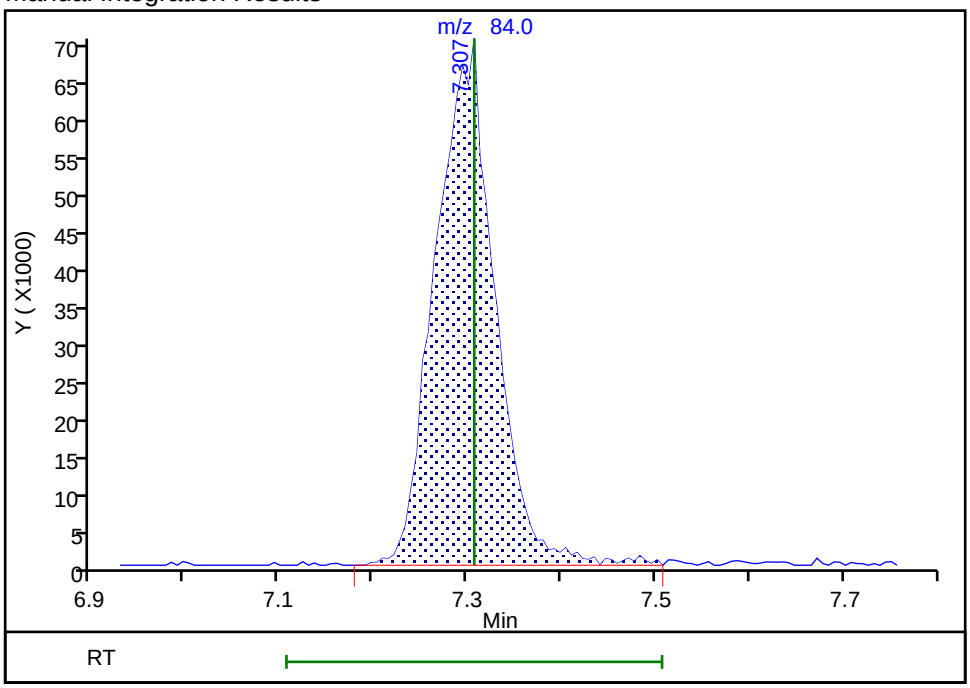
Not Detected
Expected RT: 7.31

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 307144
Amount: 47.972277
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:36:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

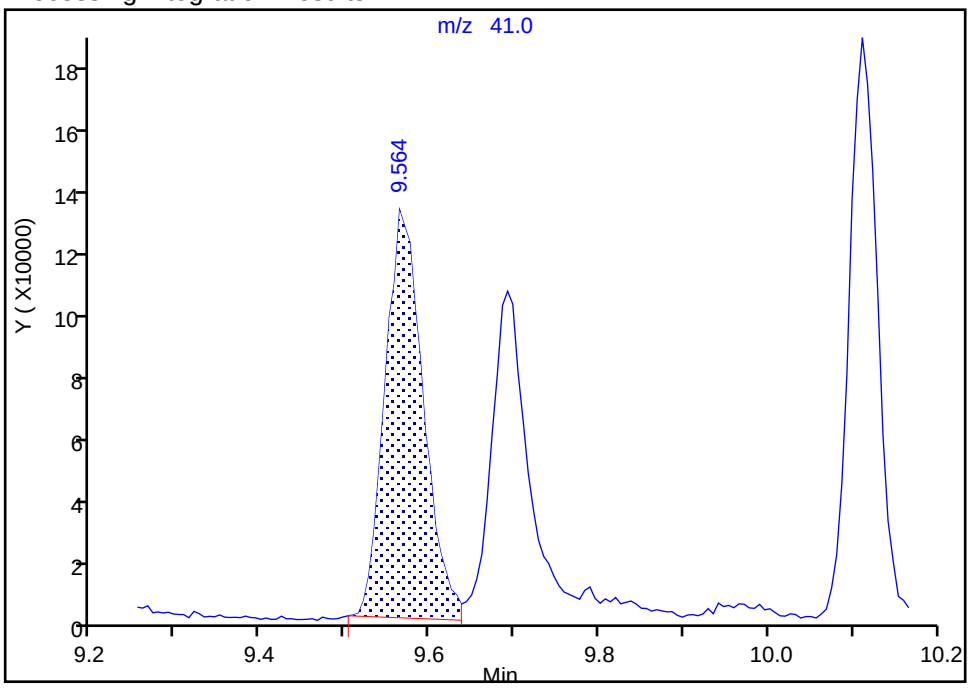
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

55 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

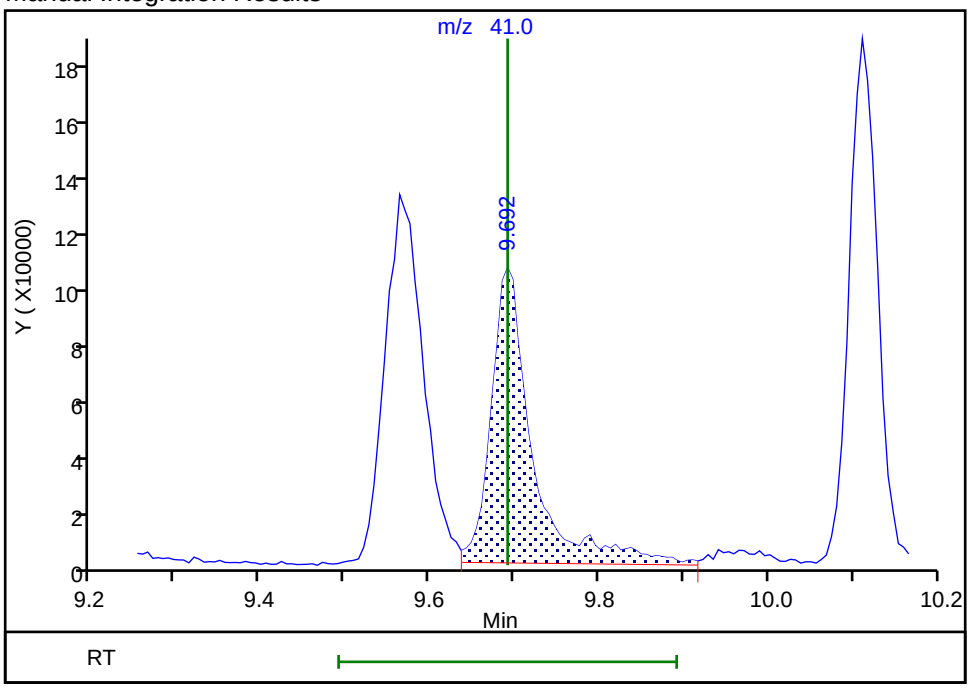
Processing Integration Results

RT: 9.56
Area: 408086
Amount: 1979.8233
Amount Units: ng



Manual Integration Results

RT: 9.69
Area: 351105
Amount: 1879.0494
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:36:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

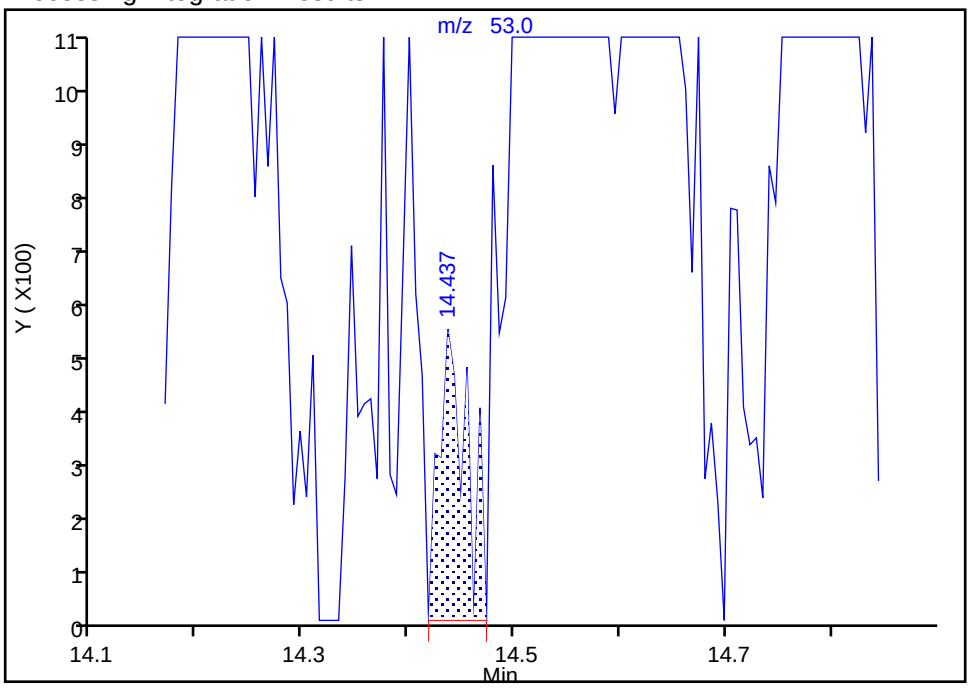
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

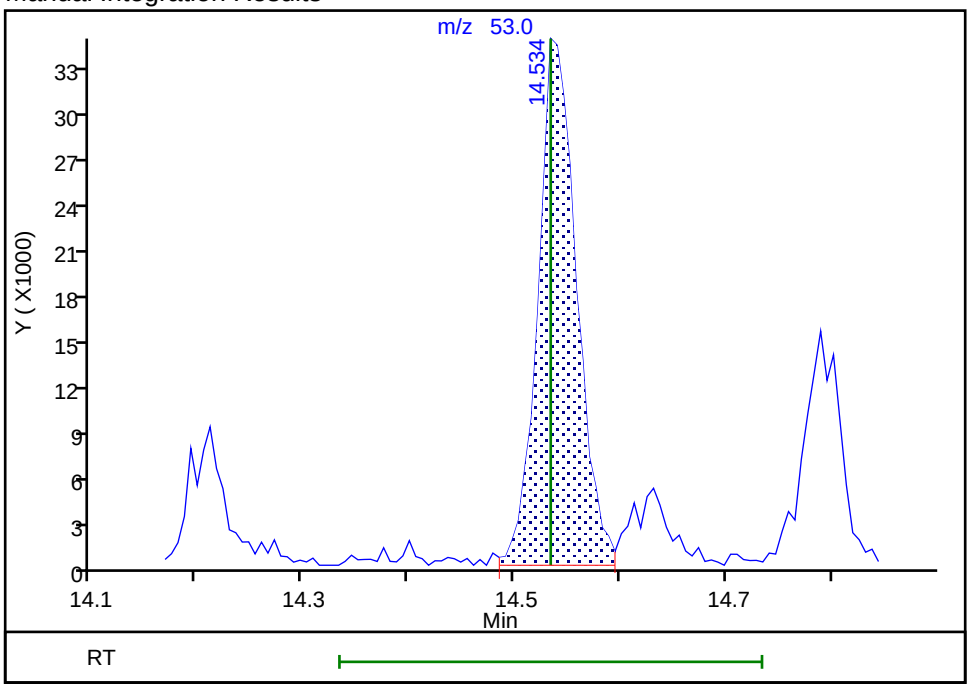
Processing Integration Results

RT: 14.44
Area: 933
Amount: 1.980401
Amount Units: ng



Manual Integration Results

RT: 14.53
Area: 87758
Amount: 78.565400
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:37:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

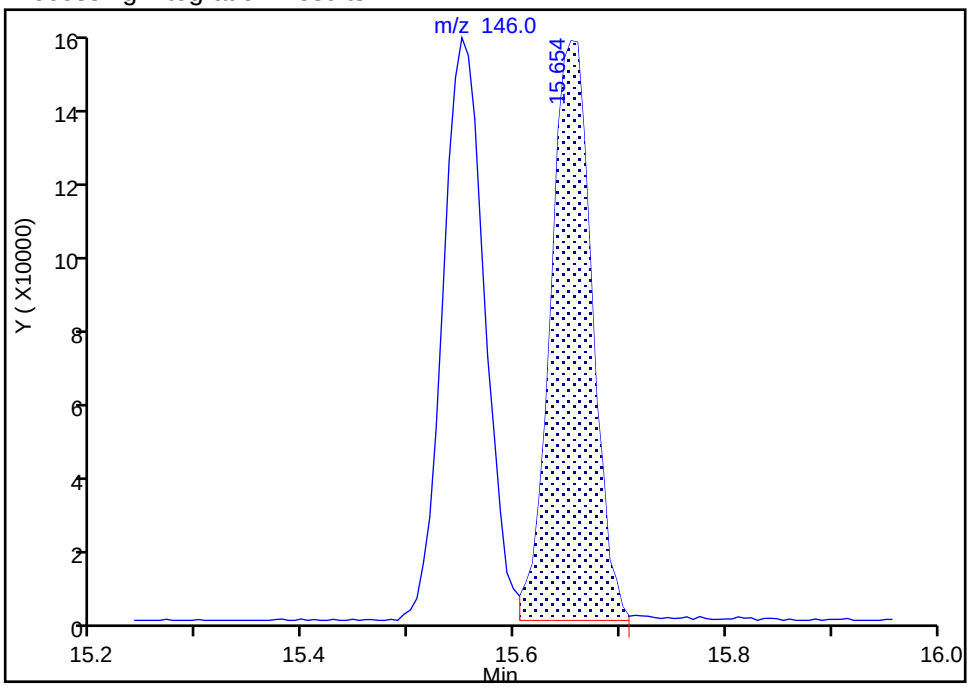
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

109 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

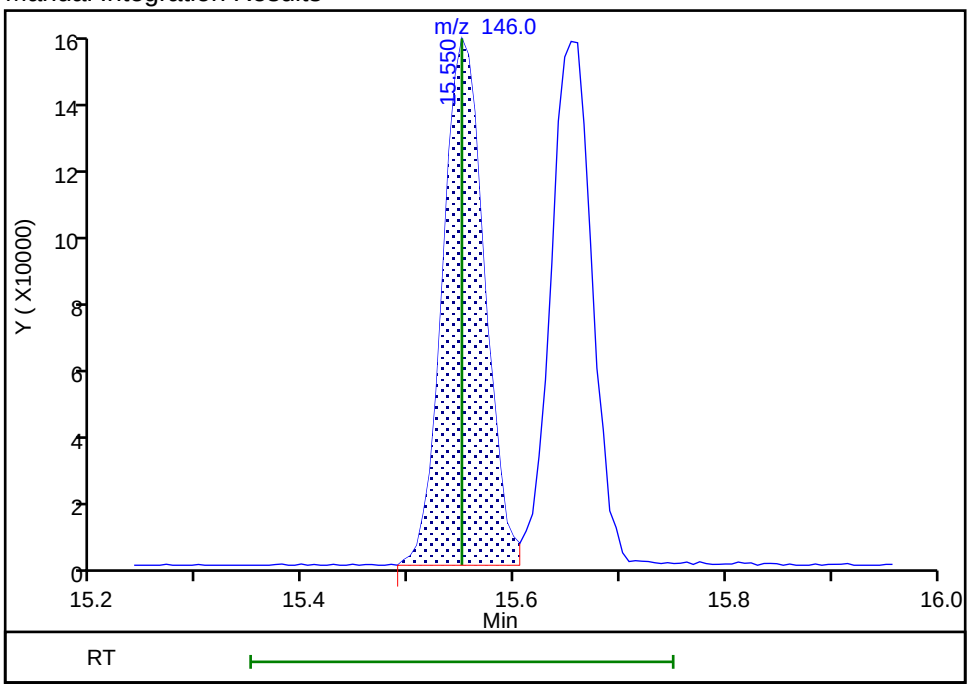
Processing Integration Results

RT: 15.65
Area: 416208
Amount: 48.392714
Amount Units: ng



Manual Integration Results

RT: 15.55
Area: 423898
Amount: 49.286834
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:36:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

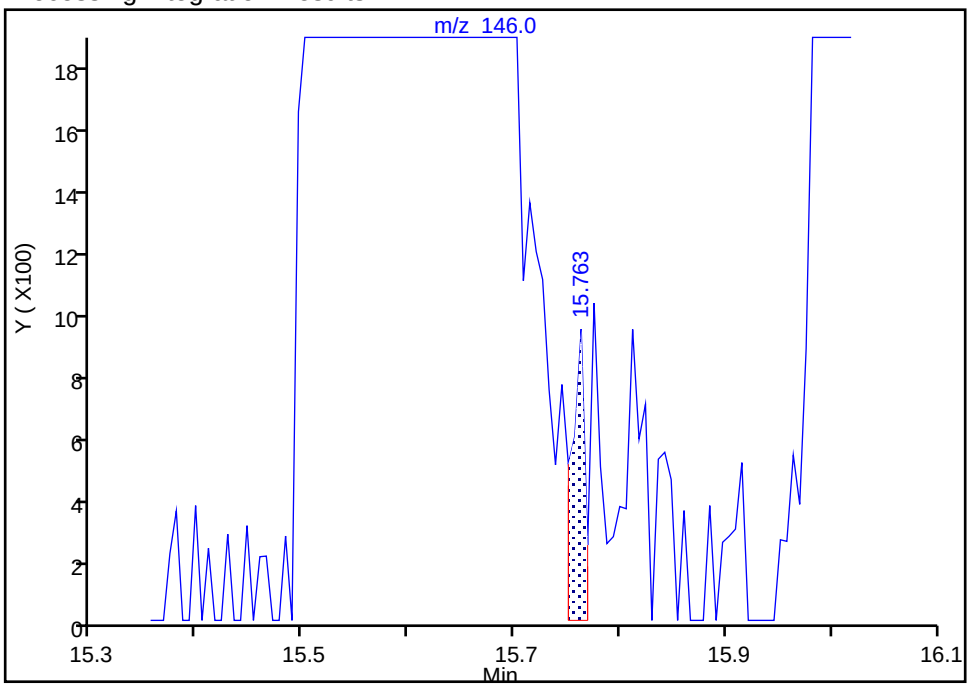
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

111 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

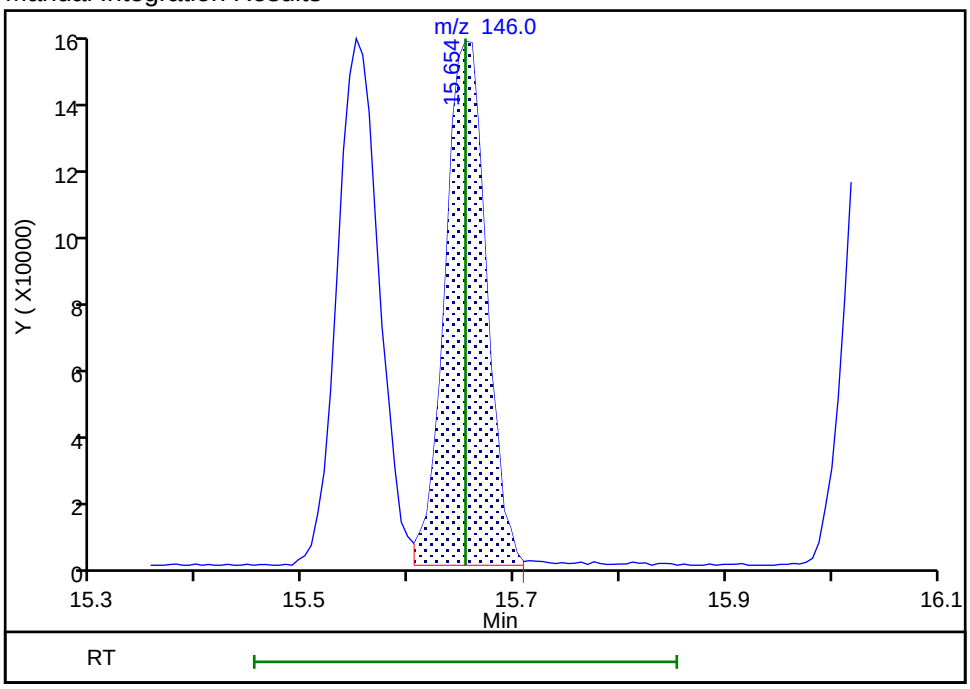
Processing Integration Results

RT: 15.76
Area: 823
Amount: 0.094281
Amount Units: ng



Manual Integration Results

RT: 15.65
Area: 416208
Amount: 47.680059
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:36:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

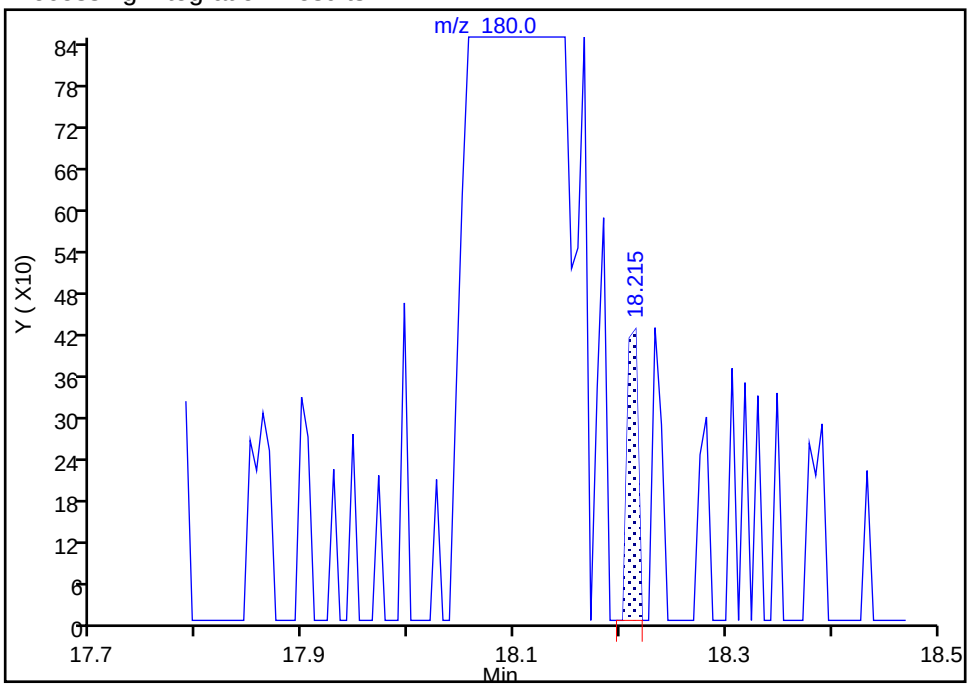
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004.D				
Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

125 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

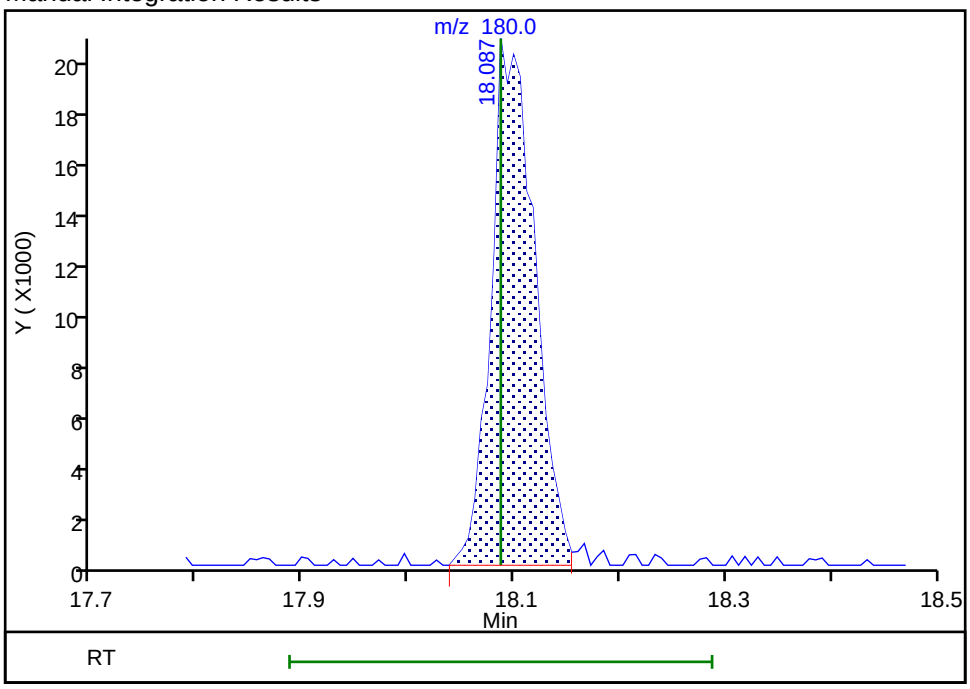
Processing Integration Results

RT: 18.21
Area: 305
Amount: 0.304023
Amount Units: ng



Manual Integration Results

RT: 18.09
Area: 59183
Amount: 58.993371
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:37:10

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

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Nov-2020 08:58:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0034463-001
Operator ID: 034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 09-Nov-2020 14:02:16 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: krisornc Date: 09-Nov-2020 14:02:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	10.808	10.808	0.000	0	347032	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

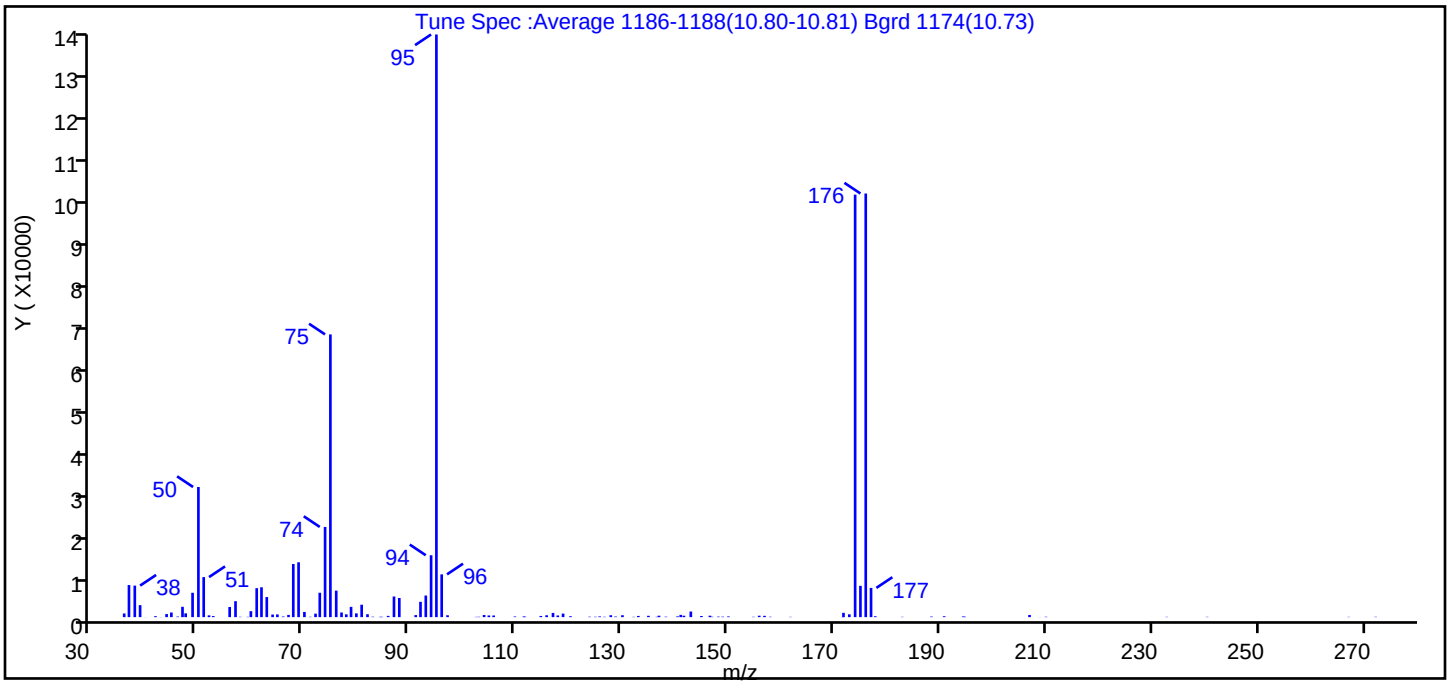
VOABFB25_00129 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Injection Date: 05-Nov-2020 08:58:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	72.5
175	5 to 9% of m/z 174	5.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	72.7 (100.3)
177	5 to 9% of m/z 176	5.0 (6.9)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D\MSVOA_LL_CHHP6.rslt\spectra.
Injection Date: 05-Nov-2020 08:58:30
Spectrum: Tune Spec :Average 1186-1188(10.80-10.81) Bgrd 1174(10.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	858	69.00	12866	105.00	391	147.00	89
37.00	7527	70.00	1221	106.00	384	148.00	125
38.00	7396	71.00	85	110.00	149	149.00	113
39.00	2819	72.00	818	112.00	154	150.00	166
40.00	21	73.00	5721	112.00	99	155.00	82
42.00	227	74.00	21152	115.00	279	156.00	337
43.00	26	75.00	66304	116.00	438	157.00	309
44.00	728	76.00	6216	117.00	988	158.00	94
45.00	1085	77.00	1090	118.00	393	162.00	69
46.00	135	78.00	658	119.00	835	172.00	37
47.00	2422	79.00	2409	120.00	214	172.00	1011
48.00	891	80.00	884	124.00	105	173.00	661
49.00	5718	81.00	2912	125.00	94	174.00	99088
50.00	30520	82.00	681	126.00	172	175.00	7343
51.00	9394	83.00	104	127.00	86	176.00	99344
52.00	419	84.00	79	128.00	449	177.00	6861
53.00	252	85.00	77	129.00	143	178.00	207
56.00	2380	86.00	298	130.00	448	183.00	73
57.00	3745	87.00	4843	132.00	73	188.00	135
58.00	82	88.00	4489	133.00	288	191.00	207
59.00	70	91.00	480	135.00	318	194.00	156
60.00	1404	92.00	3592	137.00	82	195.00	92
61.00	6801	93.00	5066	137.00	338	207.00	510
62.00	7000	94.00	14516	138.00	110	209.00	21
63.00	4716	95.00	136640	140.00	178	210.00	91
64.00	607	96.00	10034	141.00	531	233.00	72
65.00	638	97.00	445	142.00	337	240.00	76
66.00	149	102.00	68	143.00	1310	267.00	67
67.00	520	103.00	87	145.00	265	272.00	83
68.00	12458	104.00	500	147.00	337		

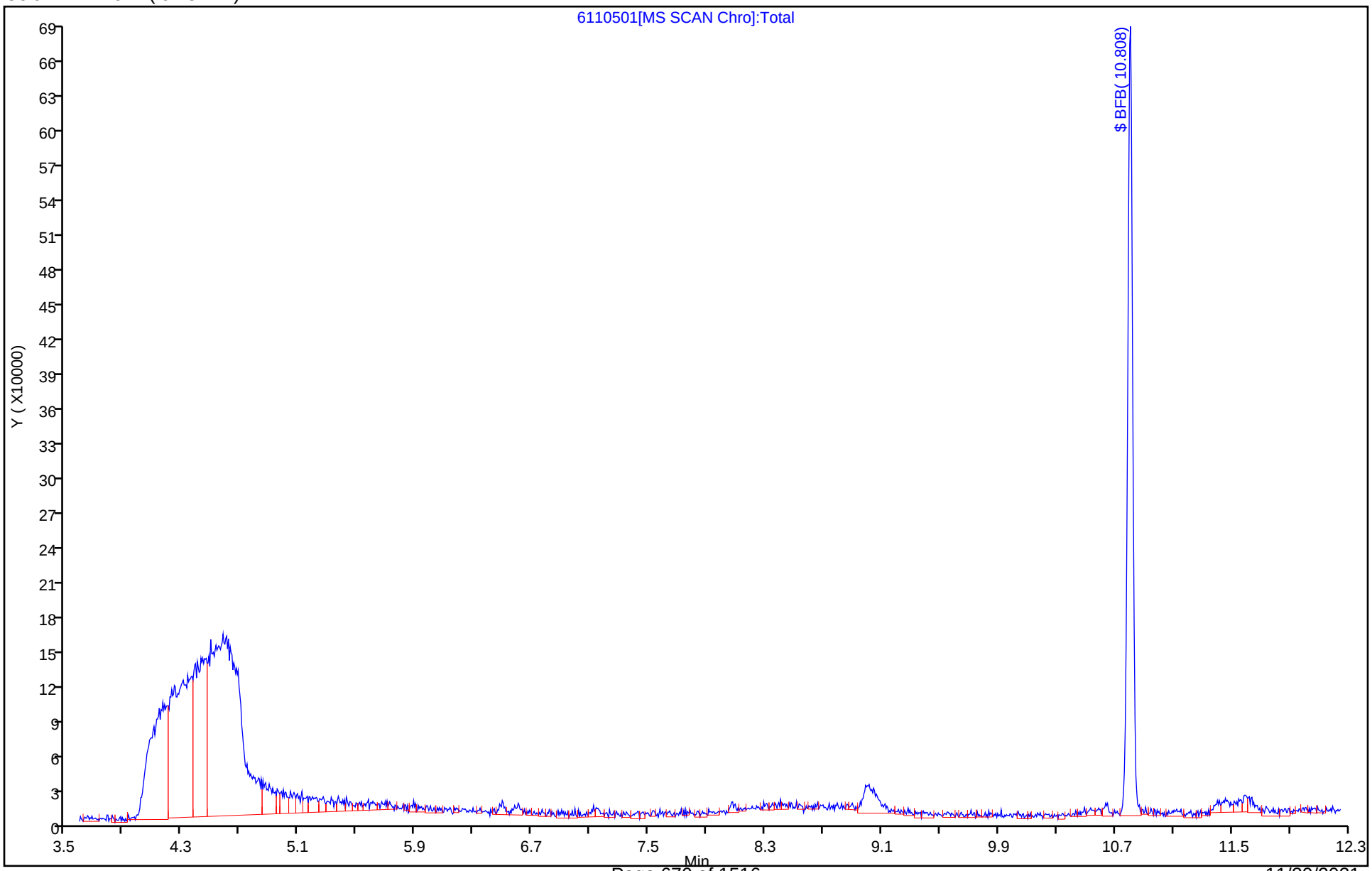
Report Date: 09-Nov-2020 14:02:16 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D

Injection Date:	05-Nov-2020 08:58:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Nov-2020 08:58:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0034463-001				
Operator ID:	034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624 ICAL				
Last Update:	09-Nov-2020 14:02:16	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				
First Level Reviewer: krisornc		Date:	09-Nov-2020 14:02:16		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	10.808	10.808	0.000	0	347032	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

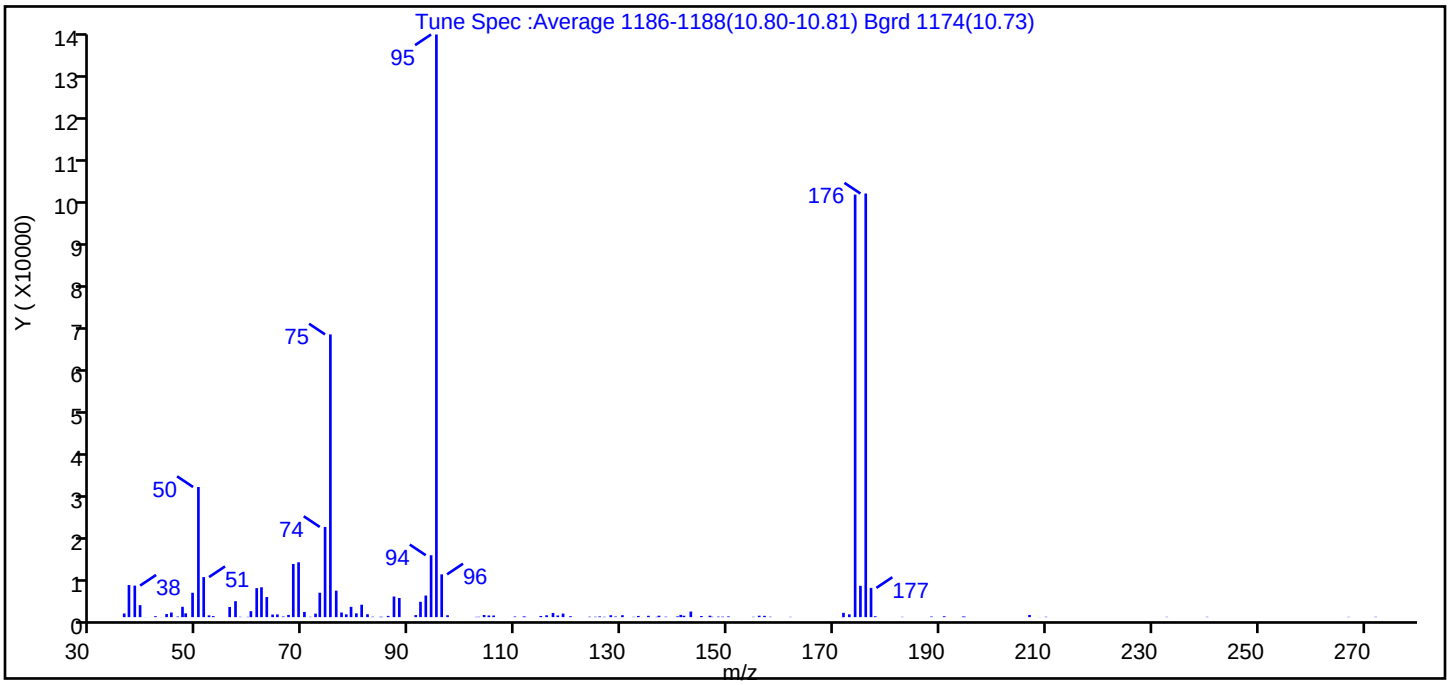
VOABFB25_00129 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D
Injection Date: 05-Nov-2020 08:58:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	72.5
175	5 to 9% of m/z 174	5.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	72.7 (100.3)
177	5 to 9% of m/z 176	5.0 (6.9)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D\MSVOA_LL_CHHP6.rslt\spectra.
Injection Date: 05-Nov-2020 08:58:30
Spectrum: Tune Spec :Average 1186-1188(10.80-10.81) Bgrd 1174(10.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	858	69.00	12866	105.00	391	147.00	89
37.00	7527	70.00	1221	106.00	384	148.00	125
38.00	7396	71.00	85	110.00	149	149.00	113
39.00	2819	72.00	818	112.00	154	150.00	166
40.00	21	73.00	5721	112.00	99	155.00	82
42.00	227	74.00	21152	115.00	279	156.00	337
43.00	26	75.00	66304	116.00	438	157.00	309
44.00	728	76.00	6216	117.00	988	158.00	94
45.00	1085	77.00	1090	118.00	393	162.00	69
46.00	135	78.00	658	119.00	835	172.00	37
47.00	2422	79.00	2409	120.00	214	172.00	1011
48.00	891	80.00	884	124.00	105	173.00	661
49.00	5718	81.00	2912	125.00	94	174.00	99088
50.00	30520	82.00	681	126.00	172	175.00	7343
51.00	9394	83.00	104	127.00	86	176.00	99344
52.00	419	84.00	79	128.00	449	177.00	6861
53.00	252	85.00	77	129.00	143	178.00	207
56.00	2380	86.00	298	130.00	448	183.00	73
57.00	3745	87.00	4843	132.00	73	188.00	135
58.00	82	88.00	4489	133.00	288	191.00	207
59.00	70	91.00	480	135.00	318	194.00	156
60.00	1404	92.00	3592	137.00	82	195.00	92
61.00	6801	93.00	5066	137.00	338	207.00	510
62.00	7000	94.00	14516	138.00	110	209.00	21
63.00	4716	95.00	136640	140.00	178	210.00	91
64.00	607	96.00	10034	141.00	531	233.00	72
65.00	638	97.00	445	142.00	337	240.00	76
66.00	149	102.00	68	143.00	1310	267.00	67
67.00	520	103.00	87	145.00	265	272.00	83
68.00	12458	104.00	500	147.00	337		

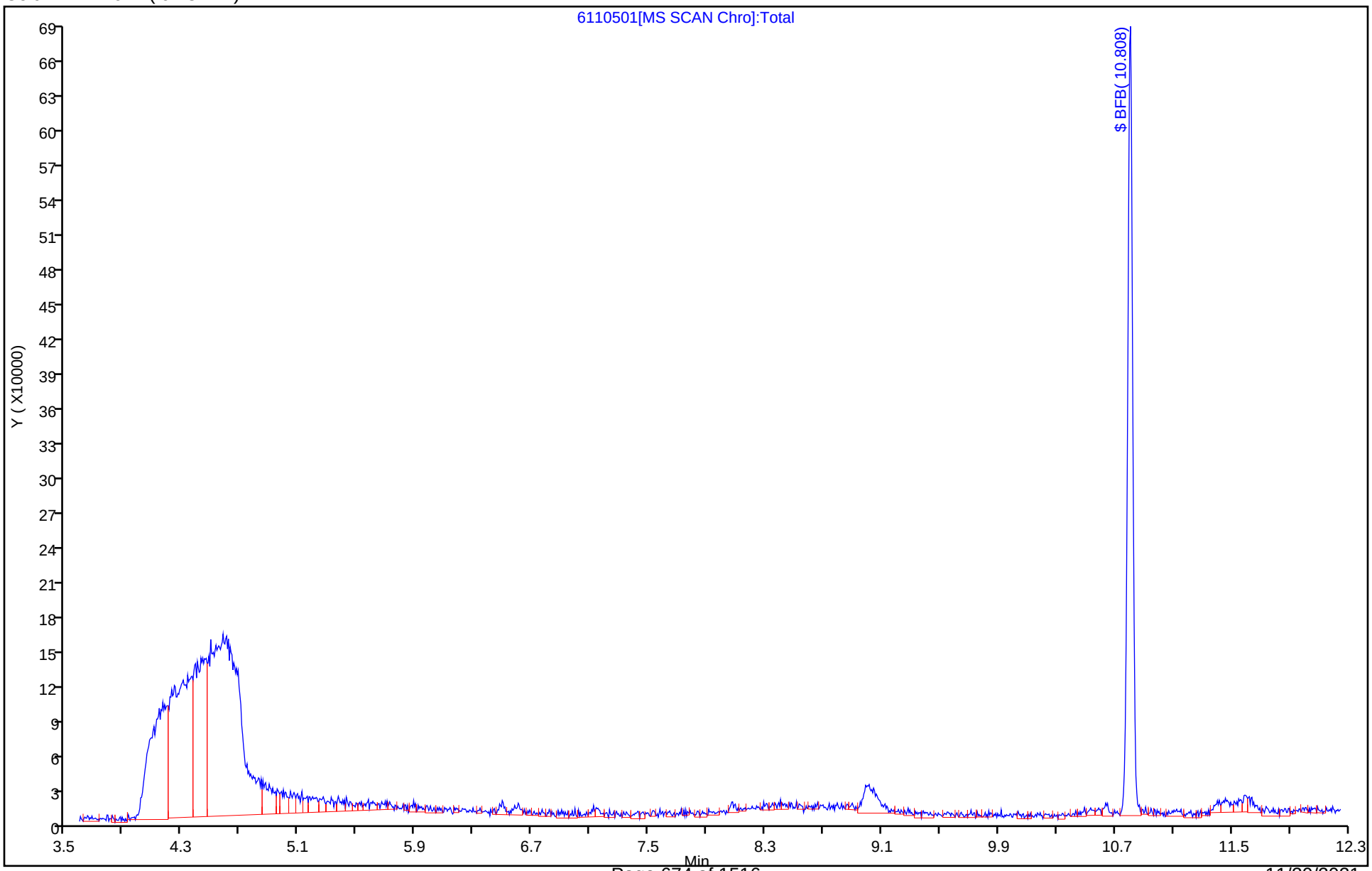
Report Date: 09-Nov-2020 14:02:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110501.D

Injection Date:	05-Nov-2020 08:58:30	Instrument ID:	CHHP6	Operator ID:	034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\611220A1.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Nov-2021 12:07:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-001
Misc. Info.: BFB
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 11:03:49 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 22-Nov-2021 12:35:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	14.402	14.402	0.000	0	687725	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

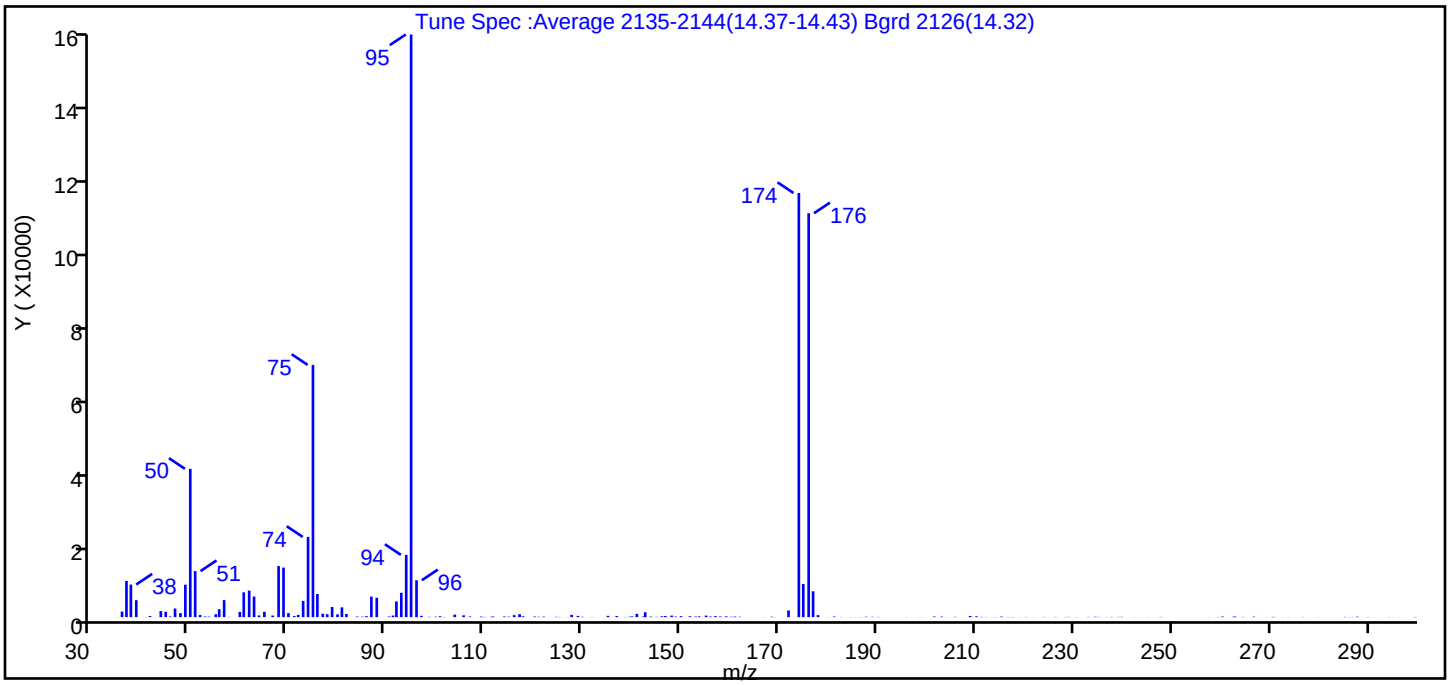
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\611220A1.D
Injection Date: 22-Nov-2021 12:07:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 0034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.5
75	30 to 60% of m/z 95	43.3
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	72.8
175	5 to 9% of m/z 174	5.7 (7.8)
176	Greater than 95% but less than 101% of m/z 174	69.3 (95.2)
177	5 to 9% of m/z 176	4.4 (6.4)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\611220A1.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 22-Nov-2021 12:07:30
Spectrum: Tune Spec :Average 2135-2144(14.37-14.43) Bgrd 2126(14.32)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	29	87.00	5331	148.00	397	217.00	38
36.00	1452	88.00	5026	149.00	144	218.00	50
37.00	9396	91.00	166	150.00	248	219.00	23
38.00	8464	91.00	411	152.00	227	220.00	60
39.00	4400	92.00	4076	153.00	151	222.00	22
41.00	36	93.00	6322	154.00	201	224.00	62
42.00	280	94.00	16156	155.00	399	225.00	25
43.00	21	95.00	151232	156.00	157	226.00	61
44.00	1574	96.00	9575	157.00	265	228.00	49
45.00	1385	97.00	346	158.00	166	229.00	64
46.00	163	99.00	84	159.00	212	231.00	33
47.00	2239	100.00	108	160.00	104	233.00	64
48.00	1039	101.00	234	161.00	164	234.00	105
49.00	8423	102.00	53	162.00	99	235.00	61
50.00	38496	104.00	660	167.00	25	237.00	42
51.00	11949	106.00	471	169.00	105	238.00	63
52.00	548	107.00	163	169.00	28	239.00	66
53.00	171	109.00	152	172.00	1737	240.00	87
54.00	131	110.00	64	174.00	110088	242.00	21
55.00	755	111.00	105	175.00	8610	243.00	24
56.00	2045	112.00	152	176.00	104832	245.00	22
57.00	4420	114.00	171	177.00	6715	248.00	25
58.00	78	115.00	131	178.00	523	248.00	54
60.00	1367	116.00	519	180.00	22	258.00	26
61.00	6441	117.00	768	181.00	159	260.00	51
62.00	6897	118.00	221	183.00	47	260.00	164
63.00	5349	120.00	163	185.00	47	263.00	105
64.00	430	121.00	95	186.00	25	263.00	136
65.00	1395	122.00	139	186.00	46	265.00	62
67.00	412	125.00	82	187.00	28	267.00	124
68.00	13255	125.00	54	188.00	109	269.00	20
69.00	12858	127.00	27	189.00	74	271.00	42
70.00	1040	128.00	587	190.00	58	271.00	67

Report Date: 23-Nov-2021 11:03:49 Chrom Revision: 2.3 15-Nov-2021 20:34:30
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\611220A1.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 22-Nov-2021 12:07:30
Spectrum: Tune Spec :Average 2135-2144(14.37-14.43) Bgrd 2126(14.32)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	277	129.00	332	196.00	35	273.00	23
72.00	598	130.00	100	199.00	25	274.00	30
73.00	4215	132.00	52	199.00	27	275.00	25
74.00	20824	135.00	336	202.00	165	277.00	57
75.00	65472	137.00	306	203.00	138	280.00	36
76.00	6004	139.00	54	204.00	25	285.00	66
77.00	885	140.00	93	206.00	77	286.00	44
78.00	776	140.00	191	209.00	305	287.00	47
79.00	2636	141.00	852	210.00	219	288.00	118
80.00	725	142.00	154	211.00	71	290.00	45
81.00	2543	143.00	1262	212.00	45	294.00	42
82.00	808	144.00	150	213.00	20	295.00	30
84.00	158	145.00	77	214.00	40	296.00	21
85.00	121	146.00	216	215.00	141	299.00	37
86.00	264	147.00	291	217.00	43	300.00	64

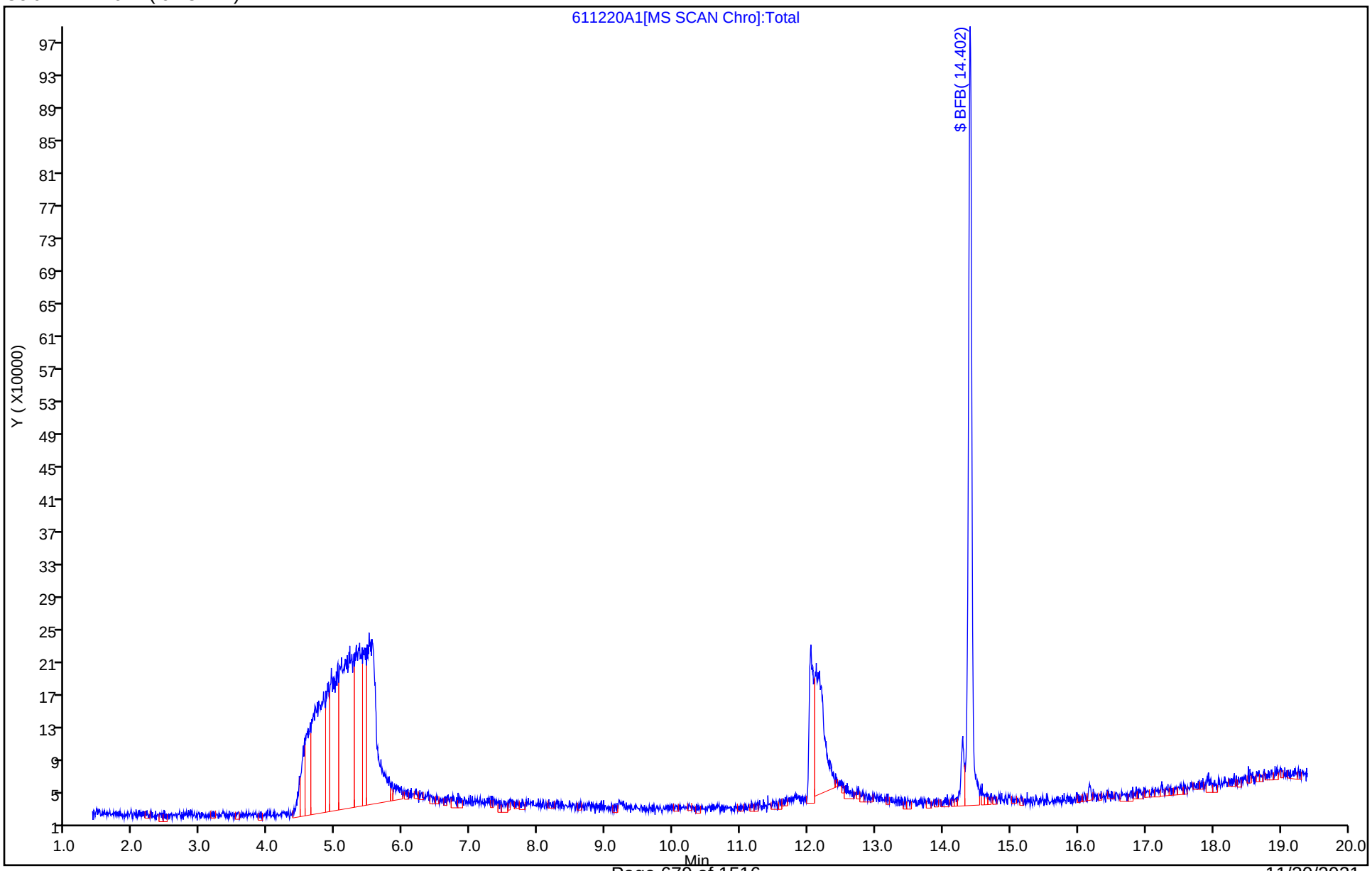
Report Date: 23-Nov-2021 11:03:49 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\611220A1.D

Injection Date:	22-Nov-2021 12:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124001.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Nov-2021 08:43:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 180-0040225-001
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:46:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	14.414	14.414	0.000	0	322736	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

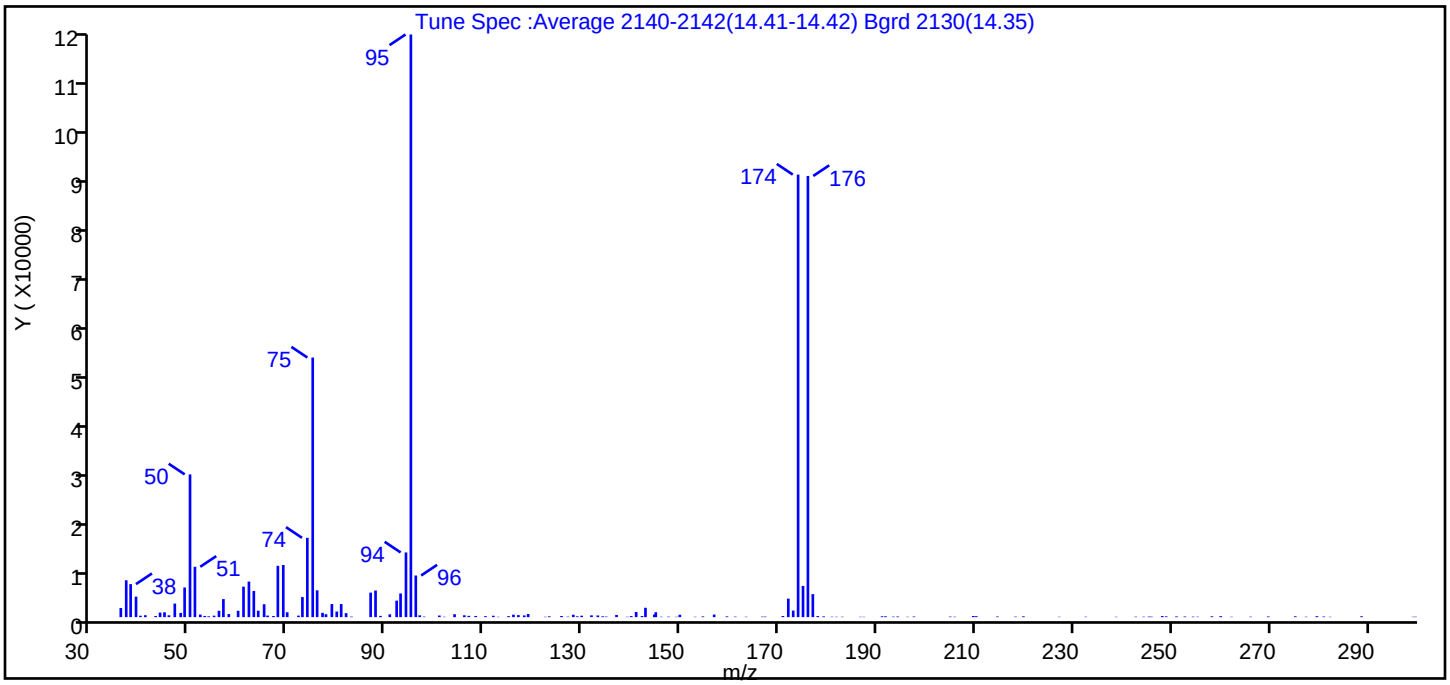
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124001.D
Injection Date: 24-Nov-2021 08:43:30 Instrument ID: CHHP6
Lims ID: BFB
Client ID:
Operator ID: 0034635 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 8260

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.5
75	30 to 60% of m/z 95	44.6
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	1.1 (1.5)
174	50 to 120% of m/z 95	76.0
175	5 to 9% of m/z 174	5.4 (7.1)
176	Greater than 95% but less than 101% of m/z 174	75.7 (99.7)
177	5 to 9% of m/z 176	3.9 (5.2)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 24-Nov-2021 08:43:30
Spectrum: Tune Spec :Average 2140-2142(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1779	78.00	579	133.00	327	193.00	101
37.00	7168	79.00	2547	134.00	156	194.00	124
38.00	6421	80.00	1090	135.00	106	196.00	70
39.00	3985	81.00	2546	137.00	422	198.00	123
40.00	278	82.00	777	139.00	74	205.00	111
41.00	375	83.00	106	140.00	210	206.00	80
43.00	225	87.00	4768	141.00	1010	210.00	221
44.00	886	88.00	5171	142.00	214	210.00	181
45.00	945	89.00	244	143.00	1826	214.00	129
46.00	364	91.00	547	145.00	493	218.00	100
47.00	2641	92.00	3210	145.00	954	220.00	159
48.00	819	93.00	4605	146.00	79	227.00	70
49.00	5766	94.00	12580	148.00	100	232.00	82
50.00	27760	95.00	113304	149.00	70	239.00	72
51.00	9794	96.00	8092	150.00	464	243.00	91
52.00	497	97.00	355	153.00	71	244.00	85
53.00	235	98.00	104	154.00	145	245.00	110
54.00	159	101.00	314	157.00	500	246.00	92
55.00	287	102.00	80	159.00	150	248.00	212
56.00	1238	104.00	566	161.00	97	249.00	150
57.00	3508	106.00	360	163.00	79	251.00	144
58.00	599	107.00	254	167.00	95	253.00	126
60.00	1242	108.00	229	167.00	99	254.00	99
61.00	5932	110.00	190	171.00	219	255.00	82
62.00	6918	112.00	272	172.00	3600	258.00	163
63.00	5094	113.00	70	173.00	1275	260.00	192
64.00	1248	115.00	198	174.00	86056	262.00	76
65.00	2514	116.00	481	175.00	6069	266.00	91
66.00	301	117.00	398	176.00	85792	270.00	136
67.00	218	118.00	334	177.00	4475	275.00	165
68.00	9982	119.00	618	178.00	206	277.00	83
69.00	10139	122.00	71	179.00	149	280.00	190
70.00	946	123.00	165	181.00	81	281.00	121

Report Date: 26-Nov-2021 11:21:29 Chrom Revision: 2.3 15-Nov-2021 20:34:30
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 24-Nov-2021 08:43:30
Spectrum: Tune Spec :Average 2140-2142(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	297	126.00	222	182.00	72	282.00	69
73.00	3904	127.00	91	183.00	80	289.00	169
74.00	15425	128.00	458	187.00	72	299.00	68
75.00	50480	129.00	156	187.00	66	300.00	80
76.00	5214	130.00	281	191.00	162		
77.00	839	132.00	350	192.00	167		

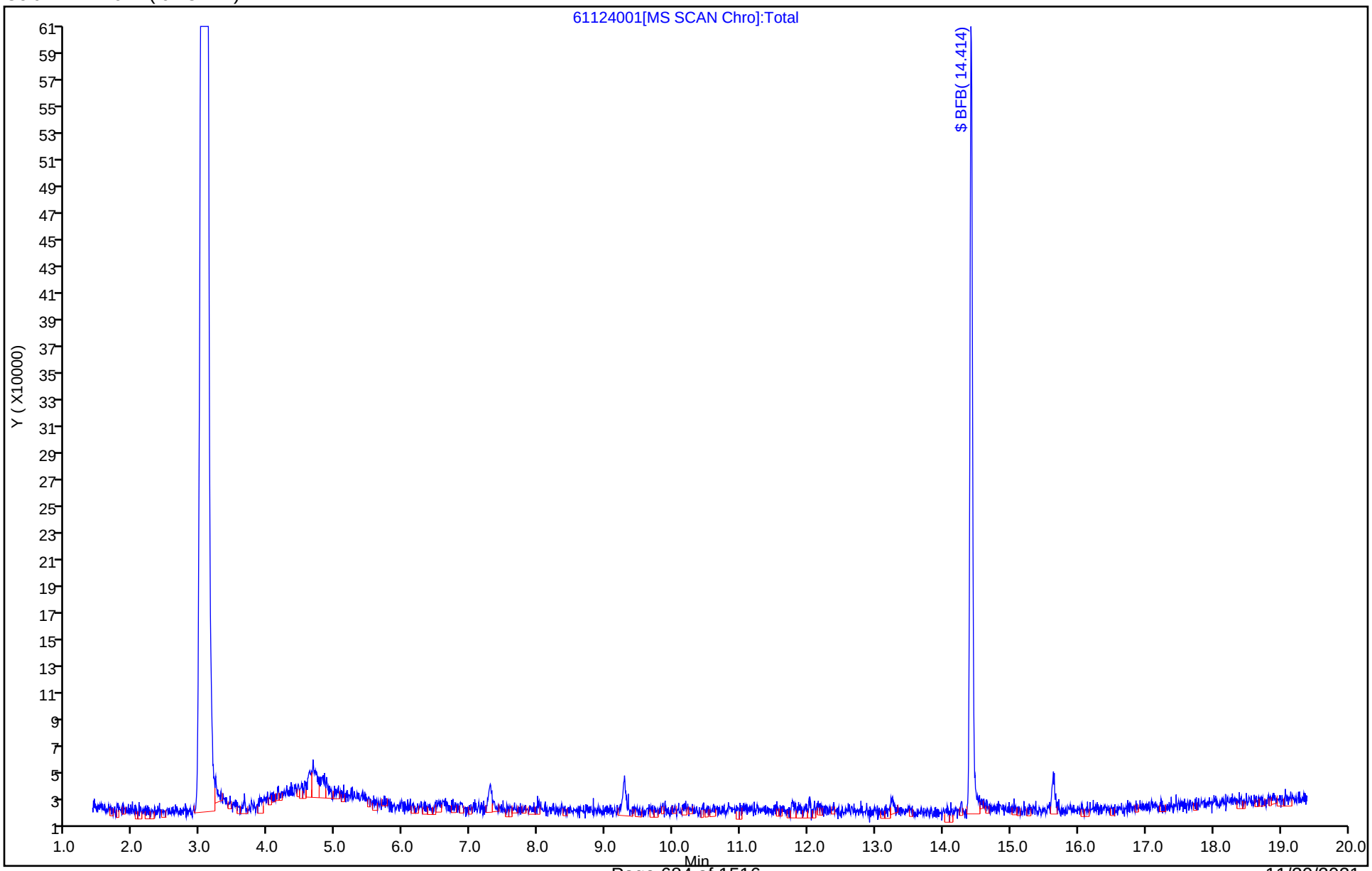
Report Date: 26-Nov-2021 11:21:29 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124001.D

Injection Date:	24-Nov-2021 08:43:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Nov-2021 12:27:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0040242-001				
Operator ID:	0034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	27-Nov-2021 15:49:03	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1637				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	14.419	14.419	0.000	0	311268	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

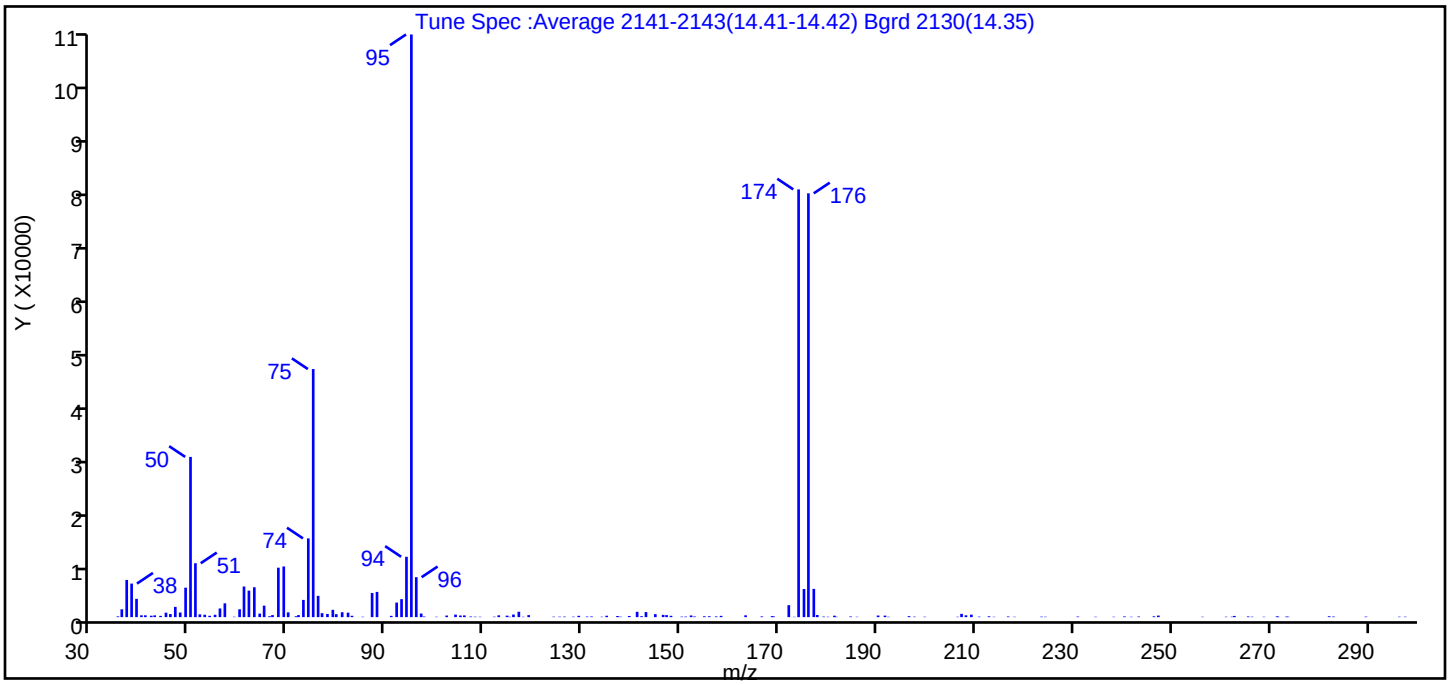
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D				
Injection Date:	26-Nov-2021 12:27:30	Instrument ID:	CHHP6		
Lims ID:	BFB				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Tune Method:	BFB Method 8260				

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.5
75	30 to 60% of m/z 95	42.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.1 (0.1)
174	50 to 120% of m/z 95	73.4
175	5 to 9% of m/z 174	4.8 (6.6)
176	Greater than 95% but less than 101% of m/z 174	72.7 (99.1)
177	5 to 9% of m/z 176	4.9 (6.7)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 26-Nov-2021 12:27:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	138	76.00	3868	131.00	105	192.00	276
36.00	1424	77.00	723	132.00	118	192.00	72
37.00	6754	78.00	580	134.00	72	196.00	177
38.00	6094	79.00	1329	135.00	255	198.00	88
39.00	3324	80.00	536	137.00	207	200.00	76
40.00	333	81.00	894	138.00	81	206.00	72
41.00	334	82.00	811	140.00	213	207.00	602
42.00	258	83.00	251	141.00	969	208.00	333
43.00	324	85.00	74	142.00	171	209.00	451
44.00	233	87.00	4391	143.00	919	211.00	89
45.00	809	88.00	4582	145.00	540	213.00	152
46.00	558	91.00	236	146.00	419	214.00	67
47.00	1864	92.00	2645	147.00	369	217.00	119
48.00	836	93.00	3271	148.00	244	218.00	67
49.00	5353	94.00	10962	150.00	89	224.00	92
50.00	29104	95.00	105816	151.00	102	224.00	74
51.00	9791	96.00	7254	152.00	304	231.00	110
52.00	506	97.00	654	153.00	118	234.00	72
53.00	440	98.00	108	155.00	156	238.00	71
54.00	248	100.00	71	156.00	161	240.00	131
55.00	429	102.00	290	157.00	128	242.00	68
56.00	1574	104.00	460	158.00	237	243.00	113
57.00	2510	105.00	296	163.00	333	246.00	152
59.00	75	106.00	317	166.00	132	247.00	288
60.00	1431	107.00	117	169.00	180	256.00	73
61.00	5565	108.00	80	169.00	128	261.00	77
62.00	4817	109.00	72	172.00	2178	262.00	80
63.00	5429	112.00	82	173.00	62	263.00	221
64.00	645	113.00	331	174.00	77680	266.00	125
65.00	2087	115.00	274	175.00	5111	266.00	79
66.00	164	115.00	68	176.00	76968	269.00	68
67.00	372	116.00	473	177.00	5133	272.00	139
68.00	8981	117.00	978	178.00	393	272.00	70

Report Date: 27-Nov-2021 15:49:04 Chrom Revision: 2.3 15-Nov-2021 20:34:30
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 26-Nov-2021 12:27:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.35)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	9206	118.00	67	179.00	102	273.00	92
70.00	870	119.00	365	180.00	70	274.00	85
72.00	164	124.00	86	181.00	266	282.00	159
72.00	371	125.00	86	182.00	68	283.00	109
73.00	3132	126.00	100	185.00	120	290.00	99
74.00	14303	128.00	84	186.00	68	296.00	84
75.00	45056	129.00	246	190.00	295	298.00	83

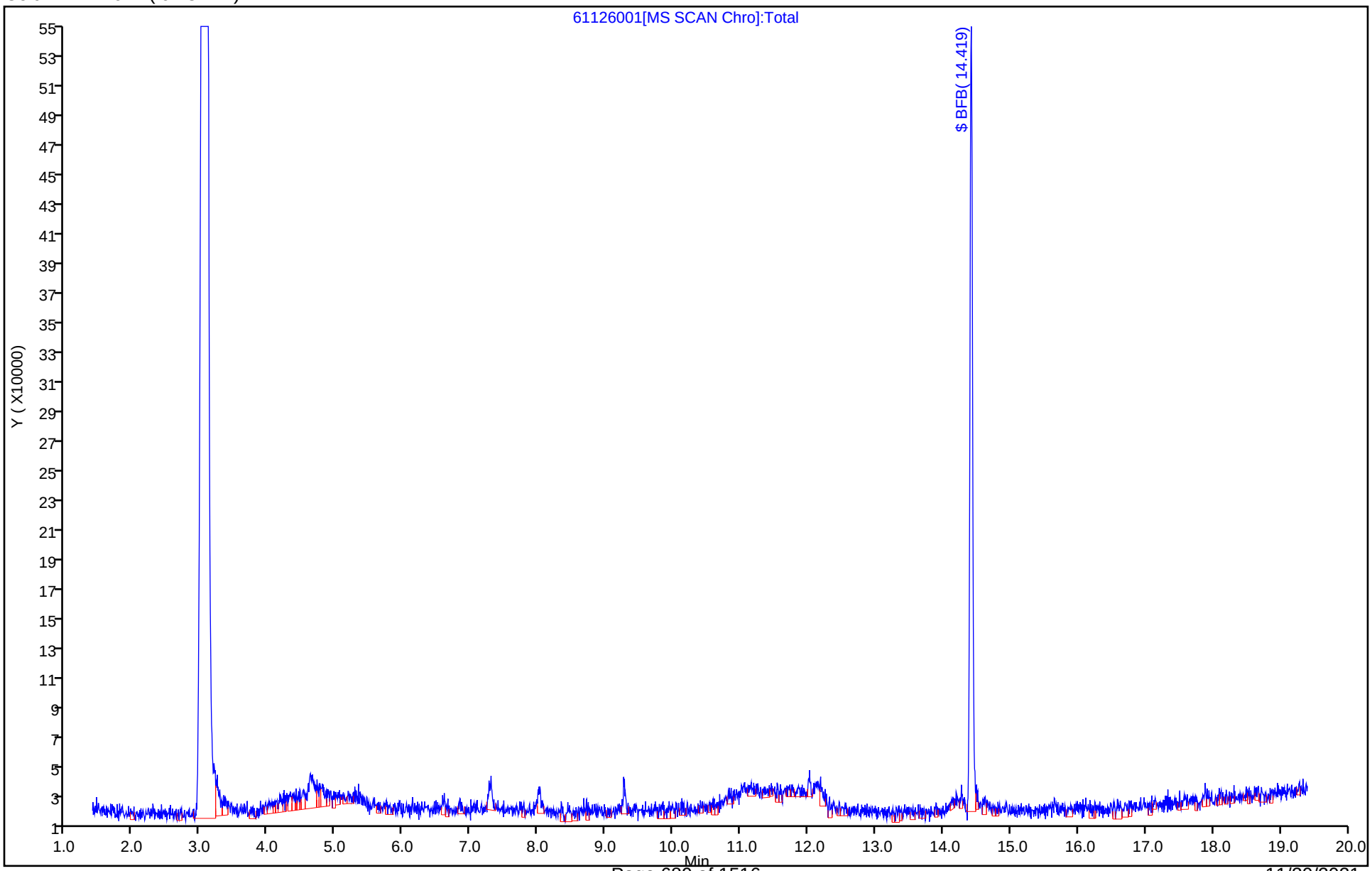
Report Date: 27-Nov-2021 15:49:04 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126001.D

Injection Date:	26-Nov-2021 12:27:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127003.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Nov-2021 14:36:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	180-0040259-003				
Operator ID:	0034635	Instrument ID:	CHHP6		
Method:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m				
Limit Group:	VOA 624.1 ICAL				
Last Update:	28-Nov-2021 10:09:15	Calib Date:	05-Nov-2020 18:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1618				
First Level Reviewer: journetp		Date:	27-Nov-2021 15:04:02		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
$ 10 BFB	95	14.417	14.417	0.000	0	161248	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

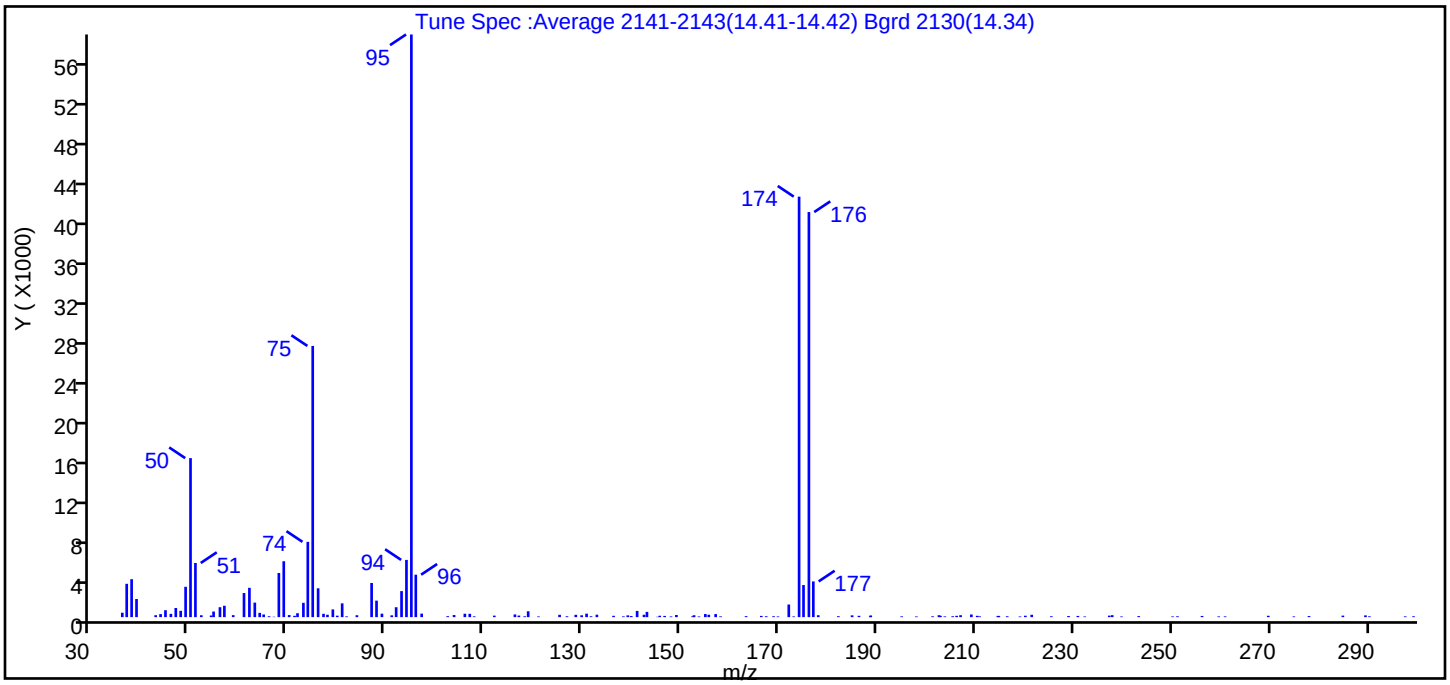
VOABFB25_00142 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127003.D				
Injection Date:	27-Nov-2021 14:36:30	Instrument ID:	CHHP6		
Lims ID:	bfb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Tune Method:	BFB Method 8260				

$ 10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.3
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.1 (0.2)
174	50 to 120% of m/z 95	72.2
175	5 to 9% of m/z 174	5.5 (7.6)
176	Greater than 95% but less than 101% of m/z 174	69.5 (96.3)
177	5 to 9% of m/z 176	6.1 (8.8)

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127003.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 27-Nov-2021 14:36:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.34)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 145

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	441	79.00	770	141.00	619	204.00	72
37.00	3320	80.00	146	142.00	238	205.00	89
38.00	3781	81.00	1374	143.00	525	206.00	132
39.00	1808	82.00	75	145.00	31	207.00	191
43.00	192	84.00	191	146.00	139	209.00	265
44.00	303	87.00	3405	147.00	122	210.00	132
45.00	691	88.00	1644	148.00	70	211.00	77
46.00	327	89.00	345	149.00	213	215.00	122
47.00	912	91.00	181	152.00	83	215.00	123
48.00	630	92.00	988	153.00	190	216.00	89
49.00	3022	93.00	2595	154.00	66	219.00	68
50.00	15843	94.00	5700	155.00	308	220.00	143
51.00	5395	95.00	58040	156.00	239	222.00	236
52.00	186	96.00	4229	157.00	305	226.00	87
54.00	163	97.00	350	158.00	77	229.00	111
55.00	560	102.00	95	163.00	98	231.00	120
56.00	989	104.00	210	166.00	124	232.00	67
57.00	1134	106.00	340	167.00	88	237.00	149
59.00	199	107.00	333	169.00	89	238.00	196
61.00	2402	108.00	77	170.00	68	240.00	67
62.00	2922	112.00	151	172.00	1258	243.00	102
63.00	1447	116.00	270	173.00	71	250.00	69
64.00	425	117.00	155	174.00	41888	251.00	85
65.00	263	118.00	83	175.00	3198	256.00	119
66.00	88	119.00	586	176.00	40352	260.00	74
67.00	39	121.00	70	177.00	3559	261.00	75
68.00	4399	125.00	233	178.00	192	270.00	136
69.00	5569	127.00	86	182.00	94	275.00	72
70.00	207	129.00	233	185.00	178	278.00	106
71.00	133	130.00	184	186.00	133	285.00	152
72.00	392	131.00	347	189.00	87	290.00	176
73.00	1426	132.00	86	189.00	170	290.00	81
74.00	7500	133.00	244	195.00	78	298.00	77

Report Date: 28-Nov-2021 10:09:15 Chrom Revision: 2.3 15-Nov-2021 20:34:30
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127003.D\MSVOA_LL_CHHP6.rslt\spectra
Injection Date: 27-Nov-2021 14:36:30
Spectrum: Tune Spec :Average 2141-2143(14.41-14.42) Bgrd 2130(14.34)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 145

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	27016	136.00	132	198.00	71	299.00	86
76.00	2874	138.00	75	201.00	82		
77.00	331	139.00	177	203.00	192		
78.00	238	140.00	109	203.00	134		

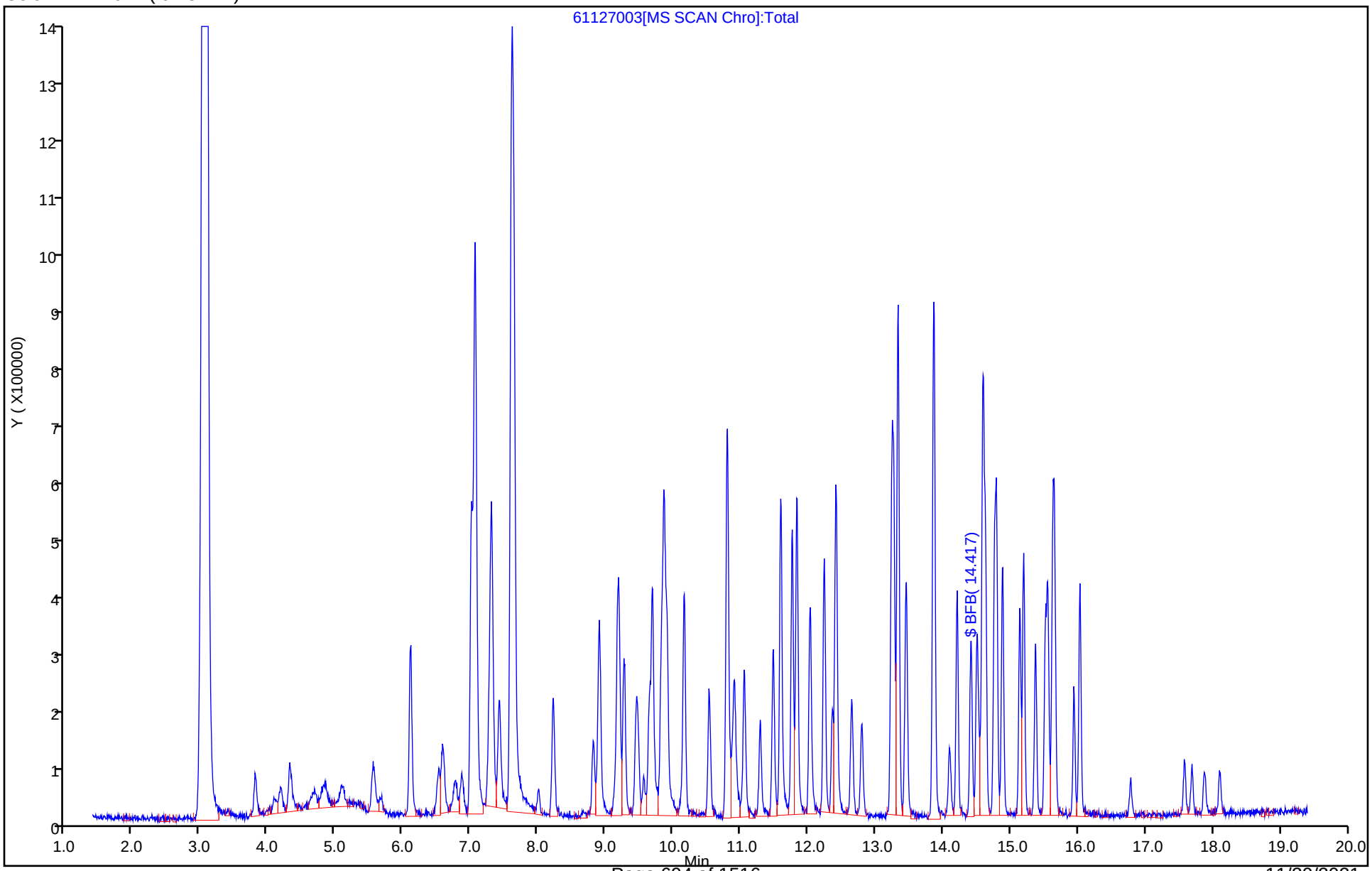
Report Date: 28-Nov-2021 10:09:15 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127003.D

Injection Date:	27-Nov-2021 14:36:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	bfb			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-379688/6

Matrix: Water Lab File ID: 61122006.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/22/2021 14:44

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.: 379688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		28-163
460-00-4	4-Bromofluorobenzene (Surr)	85		41-122
2037-26-5	Toluene-d8 (Surr)	98		53-125
1868-53-7	Dibromofluoromethane (Surr)	111		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 22-Nov-2021 14:44:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-006
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 12:19:13 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 22-Nov-2021 15:17:41

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
*	1 TBA-d9 (IS)	65	7.305	7.311	-0.006	39	620941	1000.0	1000.0	
*	2 Fluorobenzene (IS)	96	10.163	10.163	0.000	35	1208457	50.0	50.0	
*	3 Chlorobenzene-d5	119	13.240	13.234	0.006	90	259785	50.0	50.0	a
*	4 1,4-Dichlorobenzene-d4	152	15.630	15.630	0.000	29	278318	50.0	50.0	
$	5 Dibromofluoromethane (Surr)	113	9.446	9.445	0.001	47	285027	50.0	55.7	
$	6 1,2-Dichloroethane-d4 (Surr)	65	9.829	9.822	0.007	96	434060	50.0	54.5	a
$	7 Toluene-d8 (Surr)	98	11.763	11.768	-0.005	41	1142125	50.0	49.1	
$	8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	56	328635	50.0	42.5	
	19 Ethanol	45	3.066	3.068	-0.002	1	136698		NC	
	24 Acetone	43	6.600	6.587	0.013	21	6011		2.36	
	46 Ethyl acetate	43	9.050	9.054	-0.004	1	435		NC	
	50 Chloroform	83	9.281	9.275	0.006	34	15584		1.30	
	124 Naphthalene	128	17.868	17.874	-0.006	1	3202		1.77	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added: 2.00	Units: uL	Run Reagent
VOA8260SURR_00127	Amount Added: 2.00	Units: uL	Run Reagent

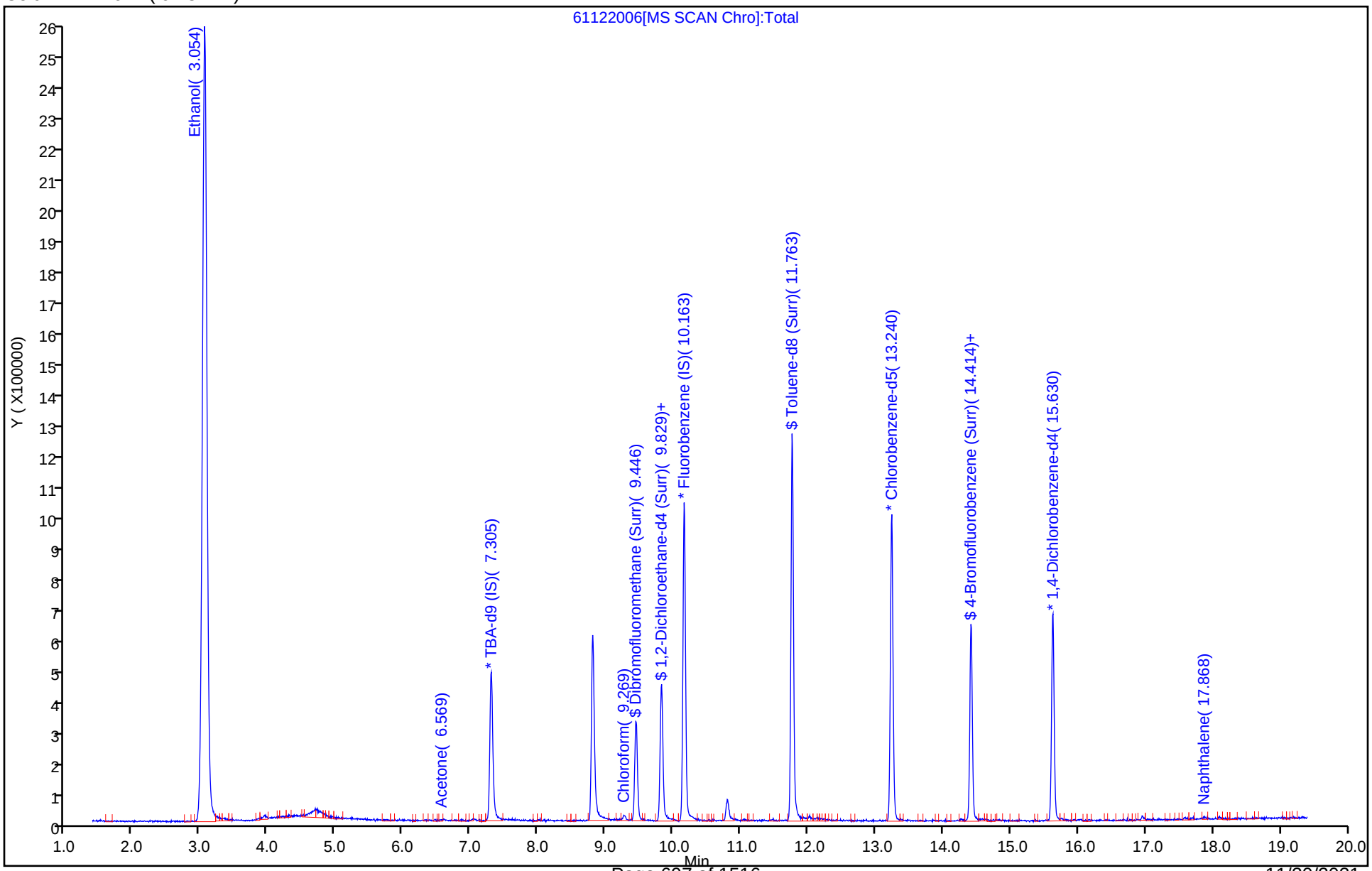
Report Date: 23-Nov-2021 12:19:23 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D

Injection Date:	22-Nov-2021 14:44:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	mb			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

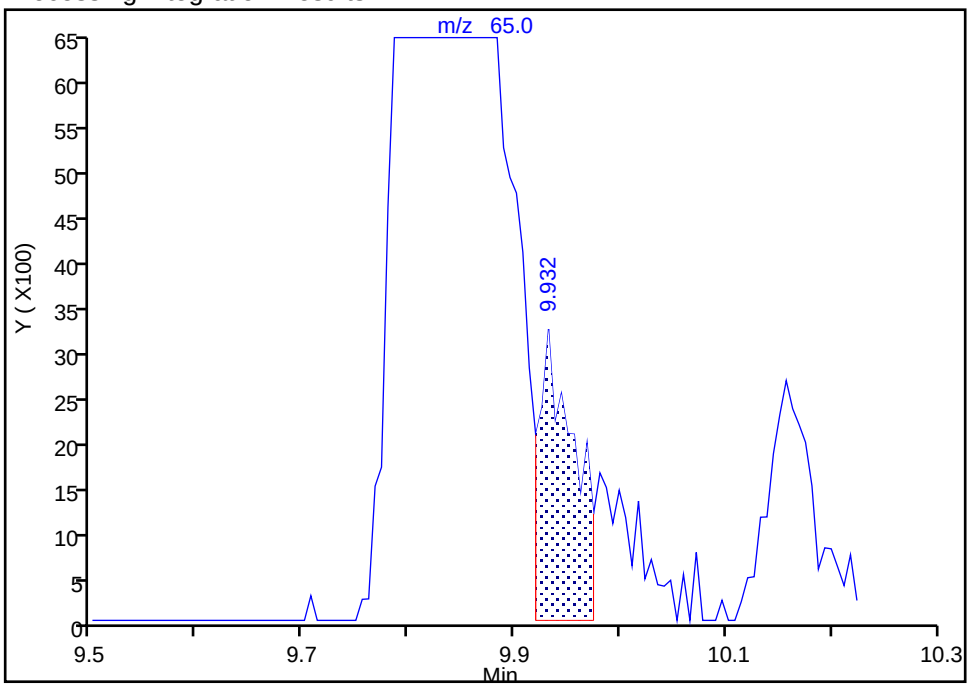
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D
Injection Date: 22-Nov-2021 14:44:30 Instrument ID: CHHP6
Lims ID: mb
Client ID:
Operator ID: 0034635 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

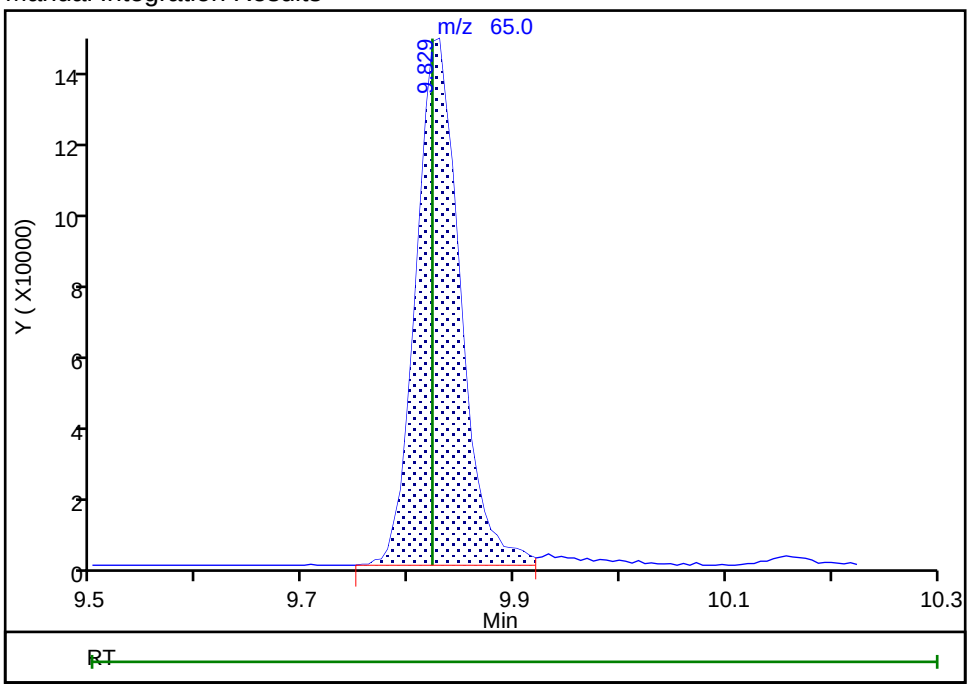
Processing Integration Results

RT: 9.93
Area: 7649
Amount: 0.961013
Amount Units: ng



Manual Integration Results

RT: 9.83
Area: 434060
Amount: 54.534884
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 15:14:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

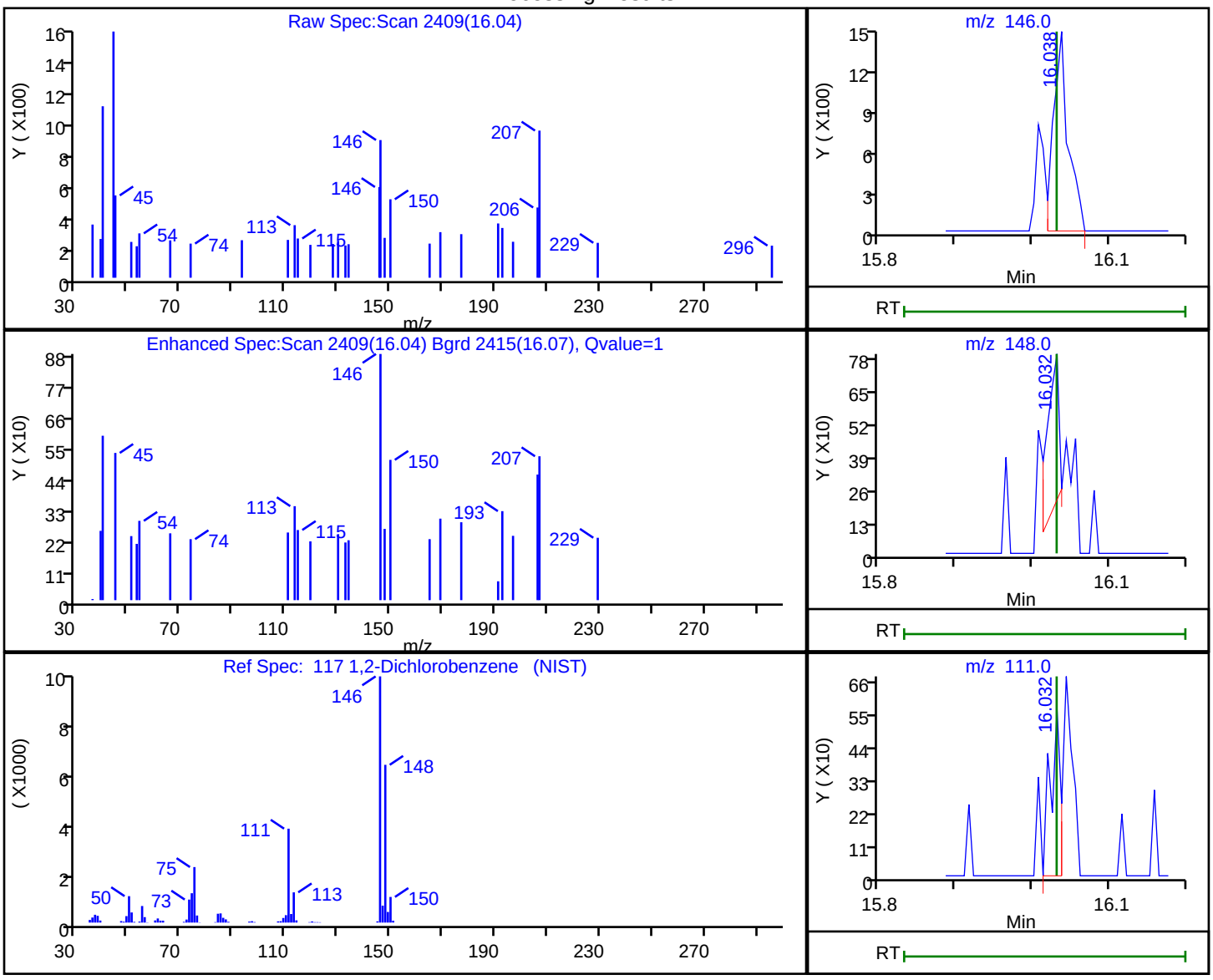
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D				
Injection Date:	22-Nov-2021 14:44:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.04	146.00	1971	0.246154
16.03	148.00	639	
16.03	111.00	525	

Reviewer: journetp, 22-Nov-2021 15:17:32

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

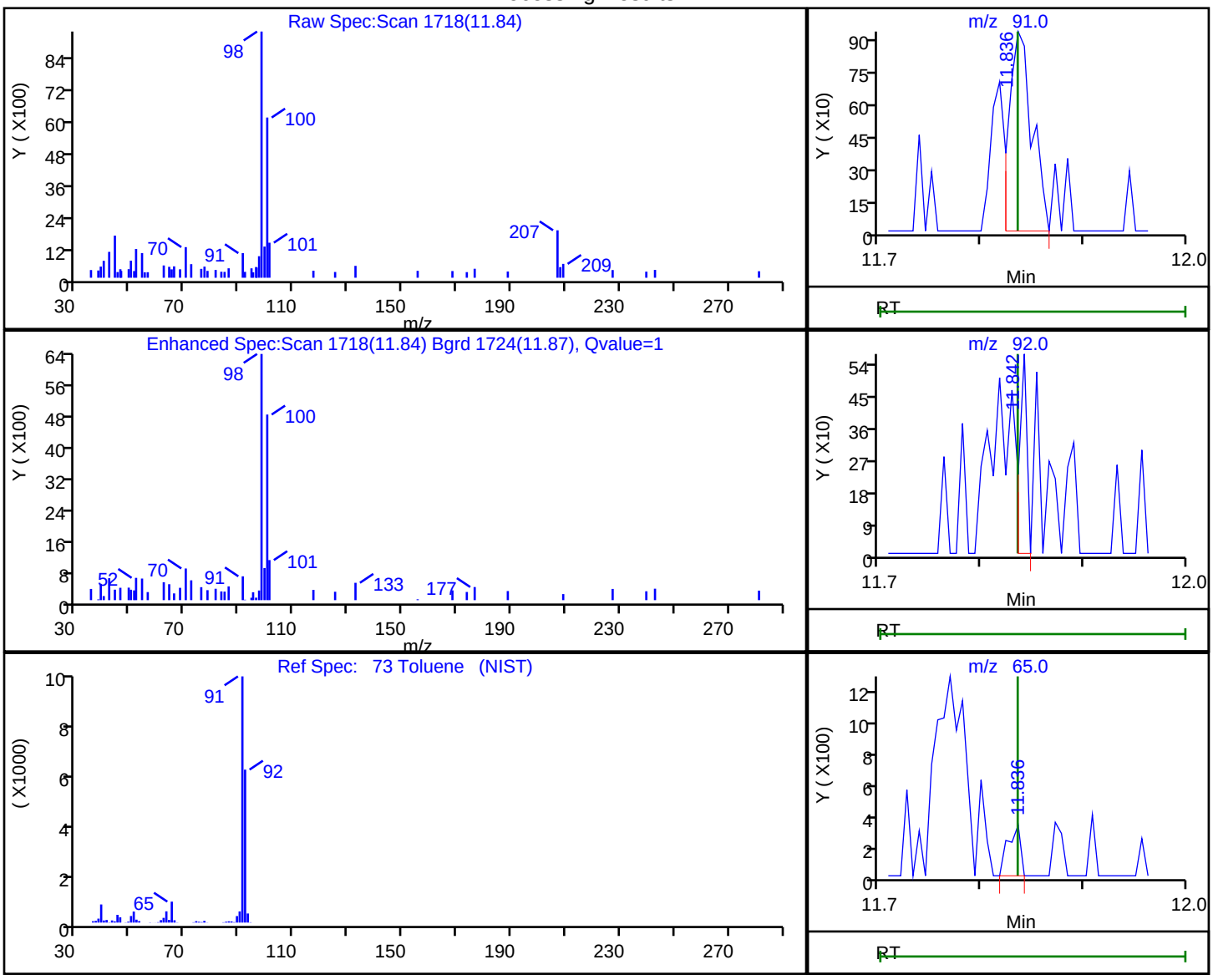
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D				
Injection Date:	22-Nov-2021 14:44:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
11.84	91.00	1447	0.049647
11.84	92.00	286	
11.84	65.00	273	

Reviewer: journetp, 22-Nov-2021 15:17:32

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

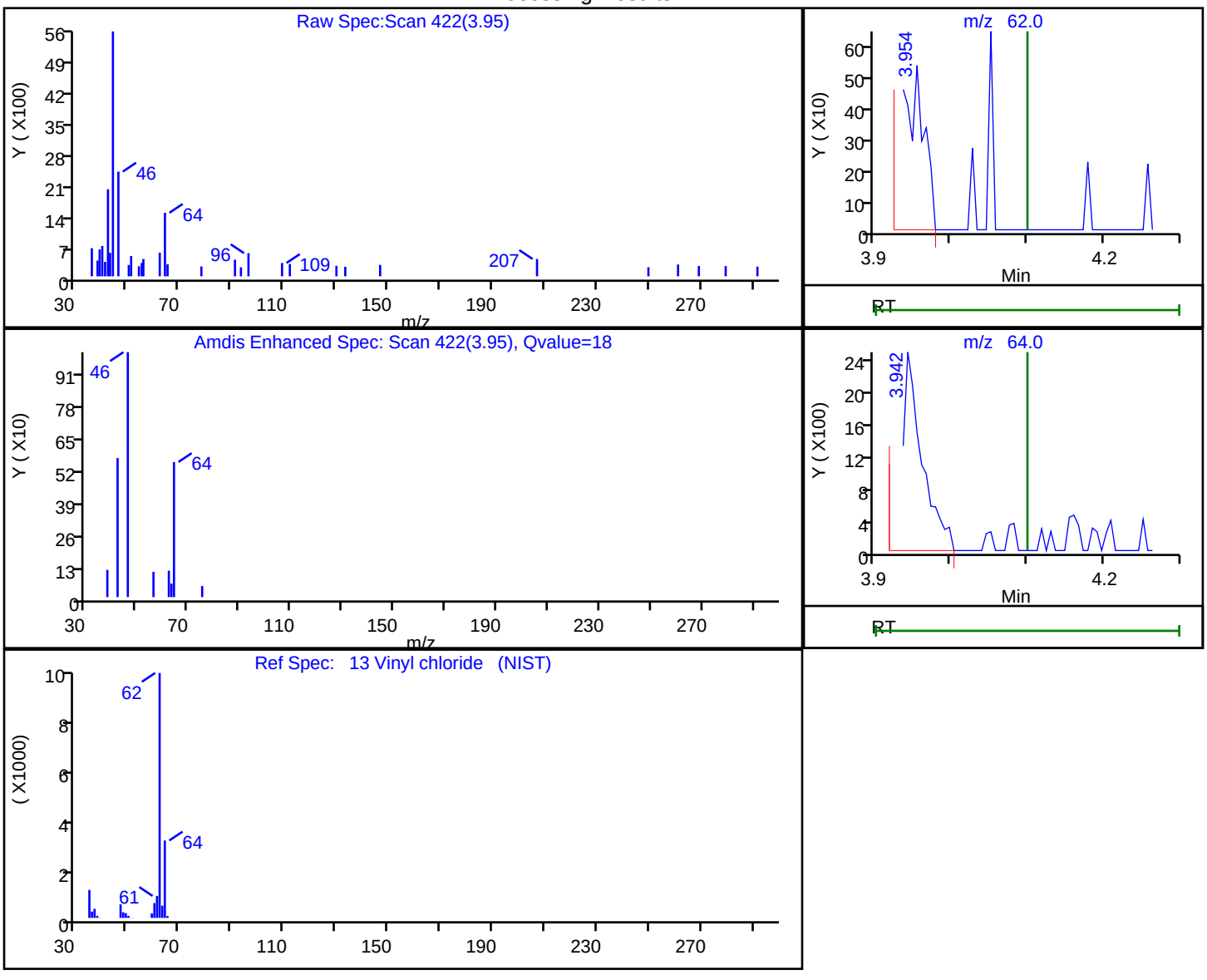
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D				
Injection Date:	22-Nov-2021 14:44:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
3.95	62.00	1048	0.127273
3.94	64.00	4828	

Reviewer: journetp, 22-Nov-2021 15:17:02

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

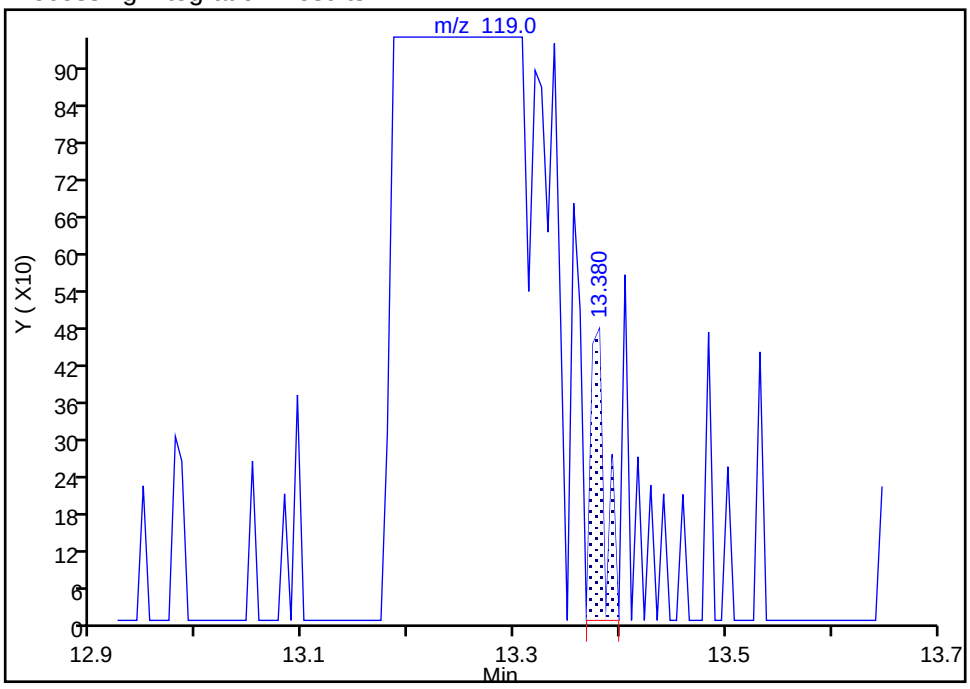
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122006.D
Injection Date: 22-Nov-2021 14:44:30 Instrument ID: CHHP6
Lims ID: mb
Client ID:
Operator ID: 0034635 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

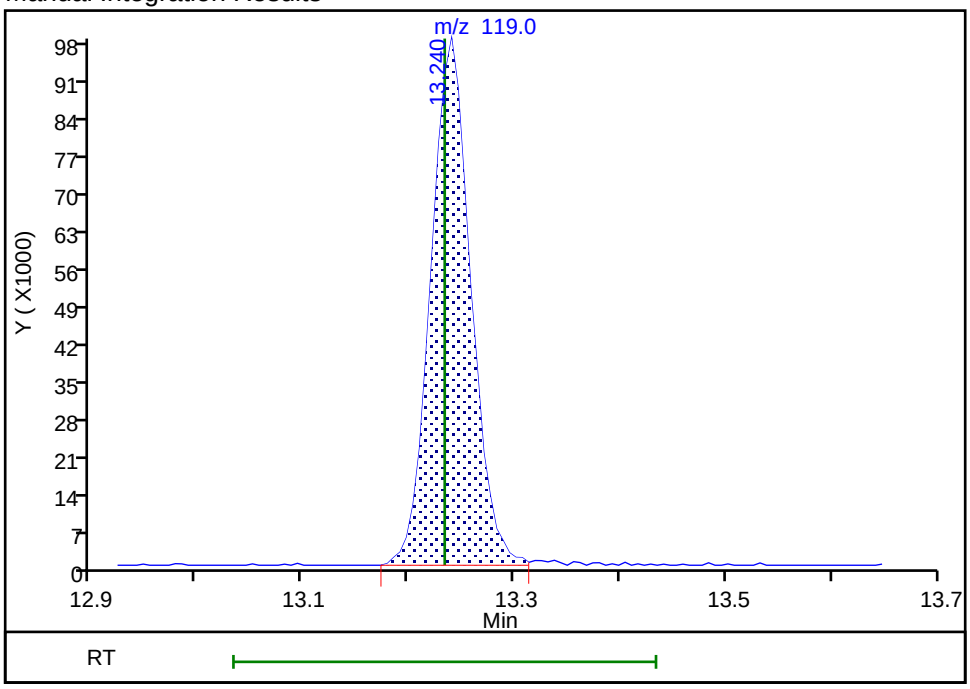
Processing Integration Results

RT: 13.38
Area: 434
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 259785
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 22-Nov-2021 15:14:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-380033/8

Matrix: Water Lab File ID: 61124008.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 13:13

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		28-163
460-00-4	4-Bromofluorobenzene (Surr)	72		41-122
2037-26-5	Toluene-d8 (Surr)	88		53-125
1868-53-7	Dibromofluoromethane (Surr)	100		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124008.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2021 13:13:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-008
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 24-Nov-2021 14:11:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.300	7.307	-0.007	40	966551	1000.0	1000.0	s
* 2 Fluorobenzene (IS)	96	10.165	10.161	0.004	35	1828677	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.245	-0.007	30	383807	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.624	0.004	29	359343	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.449	-0.001	47	387349	50.0	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.826	-0.001	47	579602	50.0	48.1	
$ 7 Toluene-d8 (Surr)	98	11.765	11.767	-0.002	41	1506035	50.0	43.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.418	14.413	0.005	38	408573	50.0	35.8	
46 Ethyl acetate	43	9.076	9.054	0.022	1	284		NC	
101 3-Chlorotoluene	126	11.838	11.841	-0.003	22	192		NC	
62 Ethyl acrylate	55	14.375	14.384	-0.009	1	388		NC	
127 2,3,6-Trichlorotoluene	159	15.683	15.533	0.150	1	179		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated
s - Failed ISTD Recovery Test

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

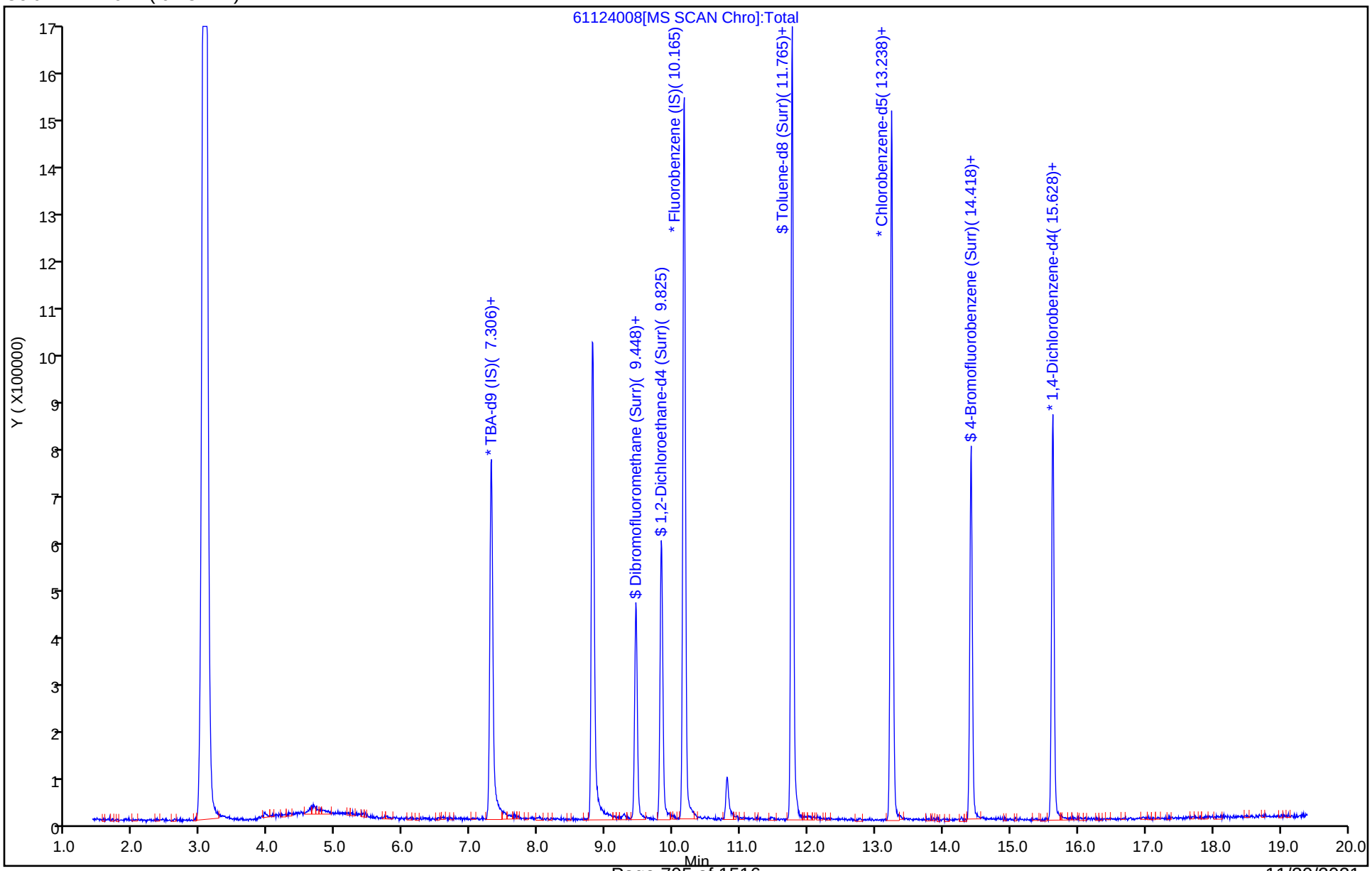
Report Date: 26-Nov-2021 11:21:31 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124008.D

Injection Date:	24-Nov-2021 13:13:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	mb			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



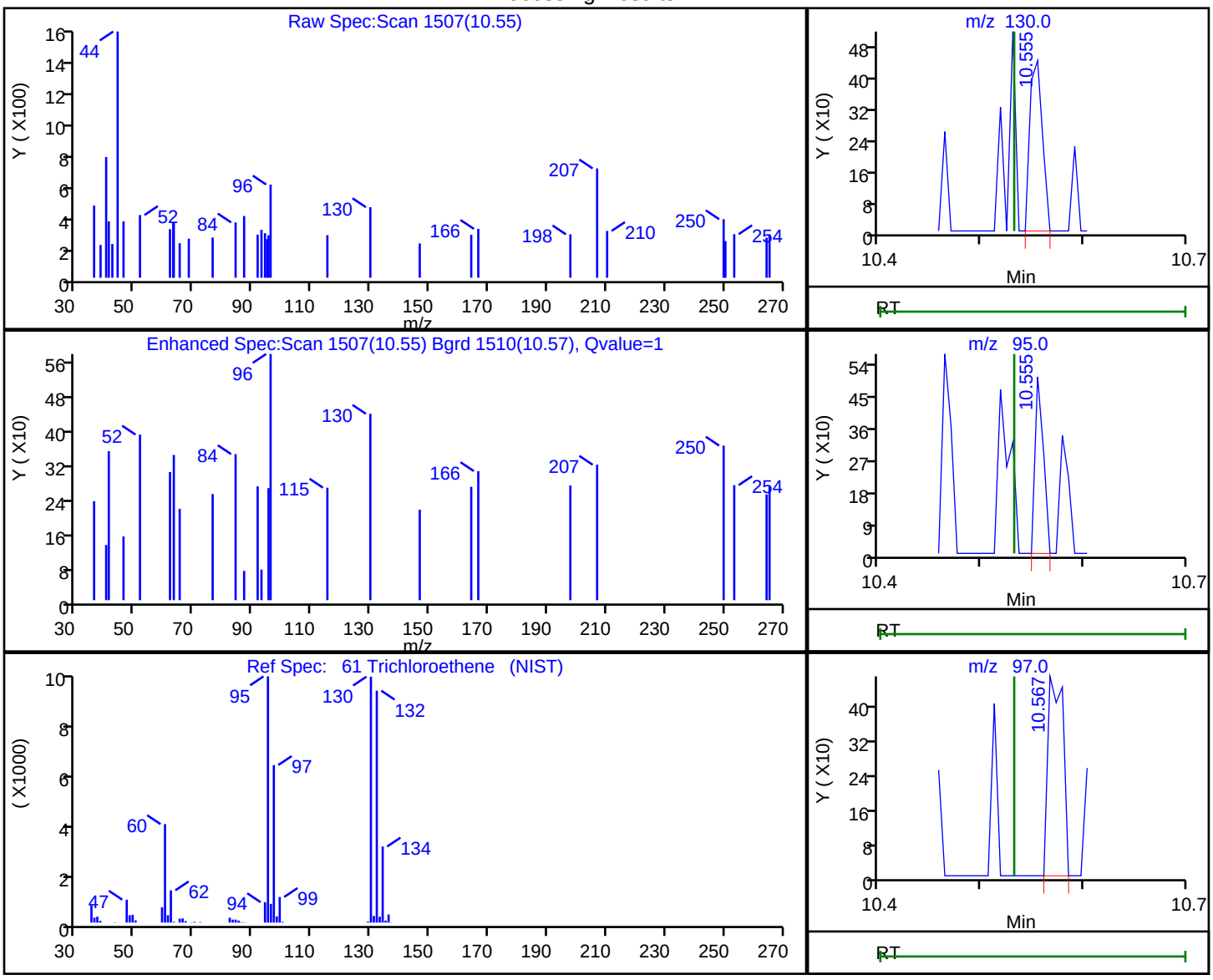
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124008.D				
Injection Date:	24-Nov-2021 13:13:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

61 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
10.55	130.00	375	0.037090
10.55	95.00	287	
10.57	97.00	483	

Reviewer: journetp, 24-Nov-2021 13:40:51

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

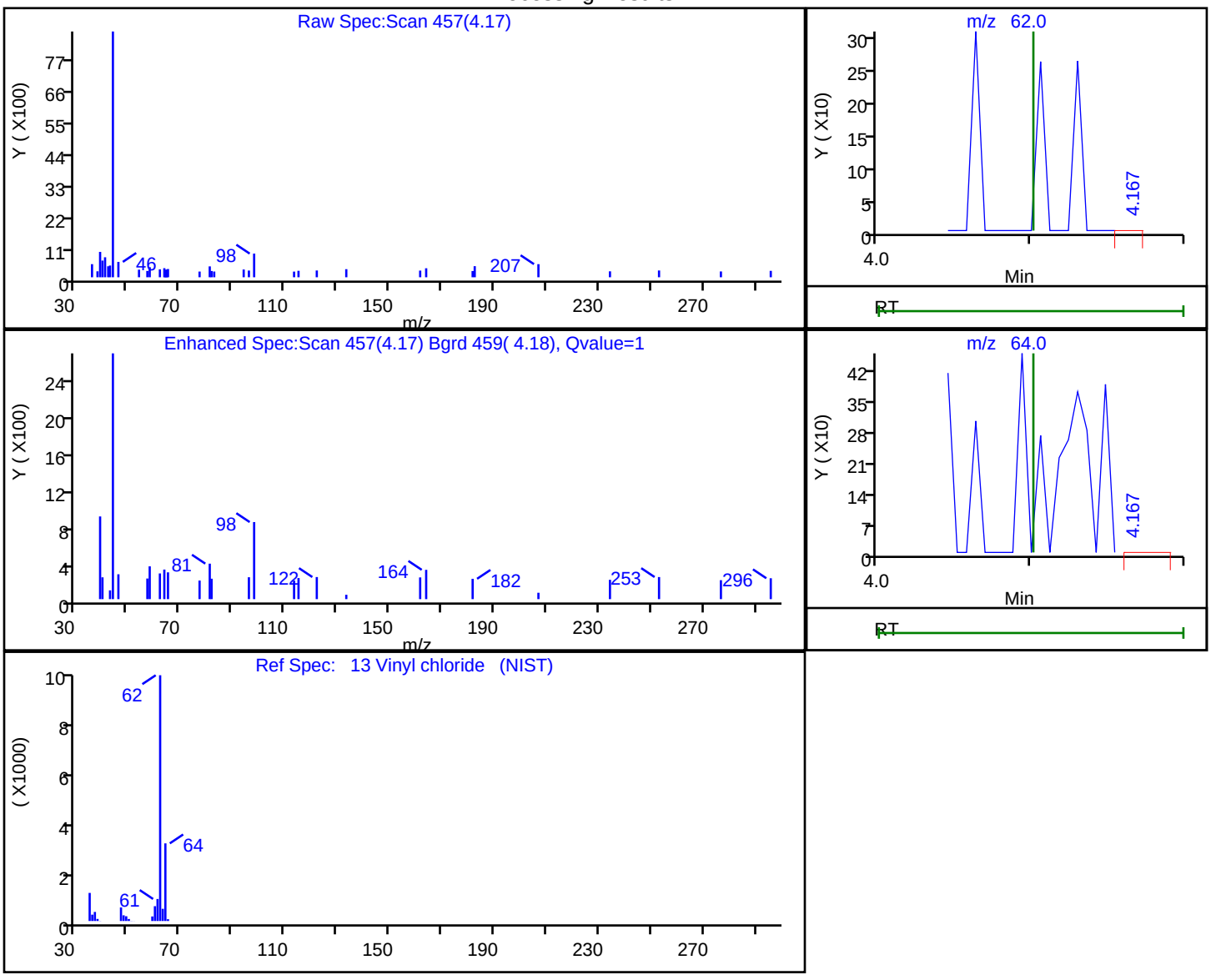
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124008.D				
Injection Date:	24-Nov-2021 13:13:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
4.17	62.00	177	0.014205
4.17	64.00	601	

Reviewer: journetp, 24-Nov-2021 13:40:30

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-380188/5

Matrix: Water Lab File ID: 61126005.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 14:33

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		28-163
460-00-4	4-Bromofluorobenzene (Surr)	79		41-122
2037-26-5	Toluene-d8 (Surr)	84		53-125
1868-53-7	Dibromofluoromethane (Surr)	108		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 26-Nov-2021 14:33:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-005
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 14:57:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.306	0.000	40	624466	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.165	10.165	0.000	35	1177373	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.244	13.237	0.007	30	283871	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.628	0.000	29	267901	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.447	0.001	47	269025	50.0	53.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.825	9.830	-0.005	47	347497	50.0	44.8	
$ 7 Toluene-d8 (Surr)	98	11.765	11.765	0.000	42	1074252	50.0	42.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.412	14.411	0.001	37	332880	50.0	39.4	
24 Acetone	43	6.594	6.588	0.006	5	5290		2.13	
46 Ethyl acetate	43	9.064	9.054	0.010	1	298		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

VOA8260INT_00130 Amount Added: 2.00 Units: uL Run Reagent
VOA8260SURR_00128 Amount Added: 2.00 Units: uL Run Reagent

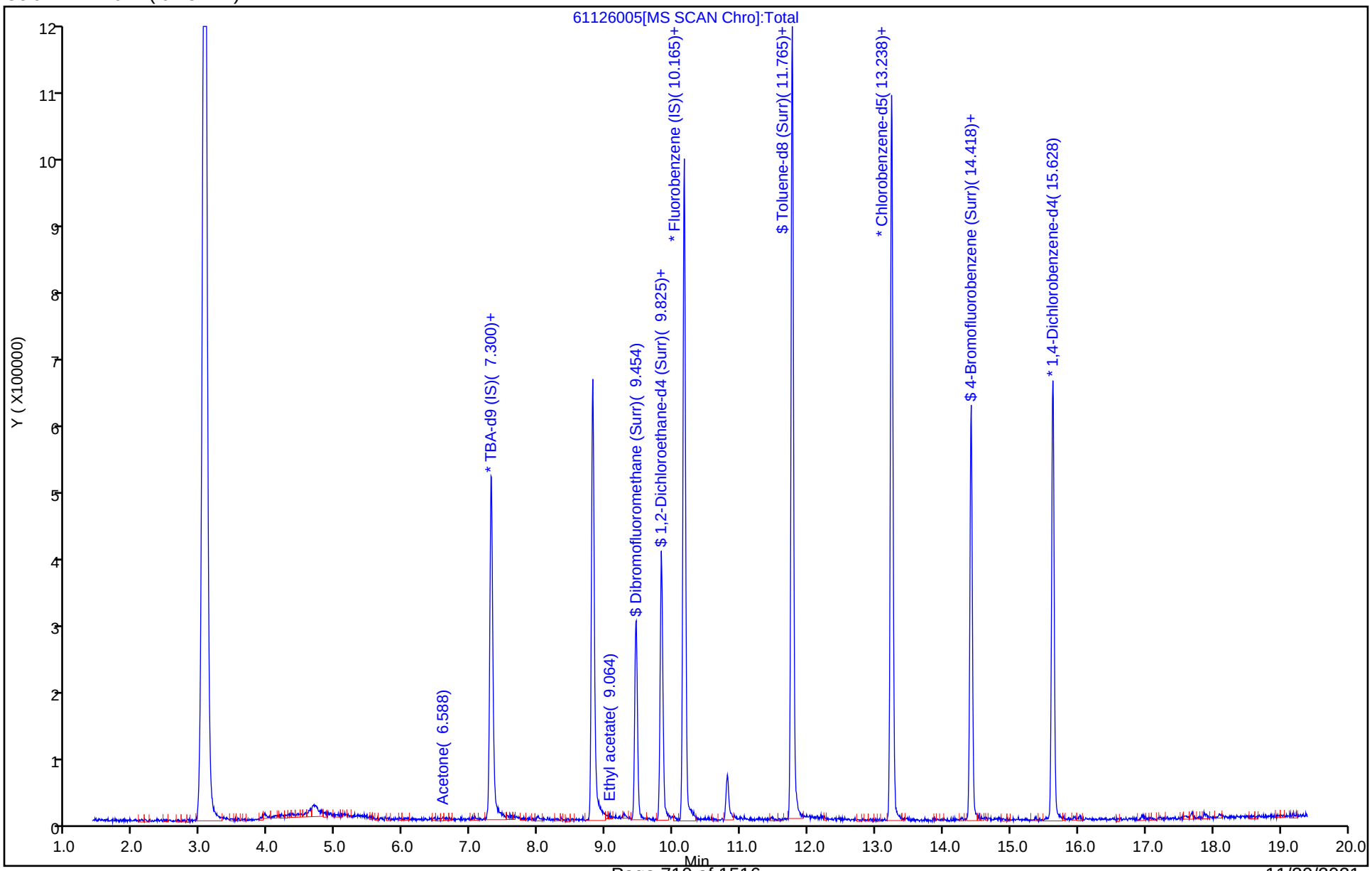
Report Date: 27-Nov-2021 15:48:44 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126005.D

Injection Date:	26-Nov-2021 14:33:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	mb			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



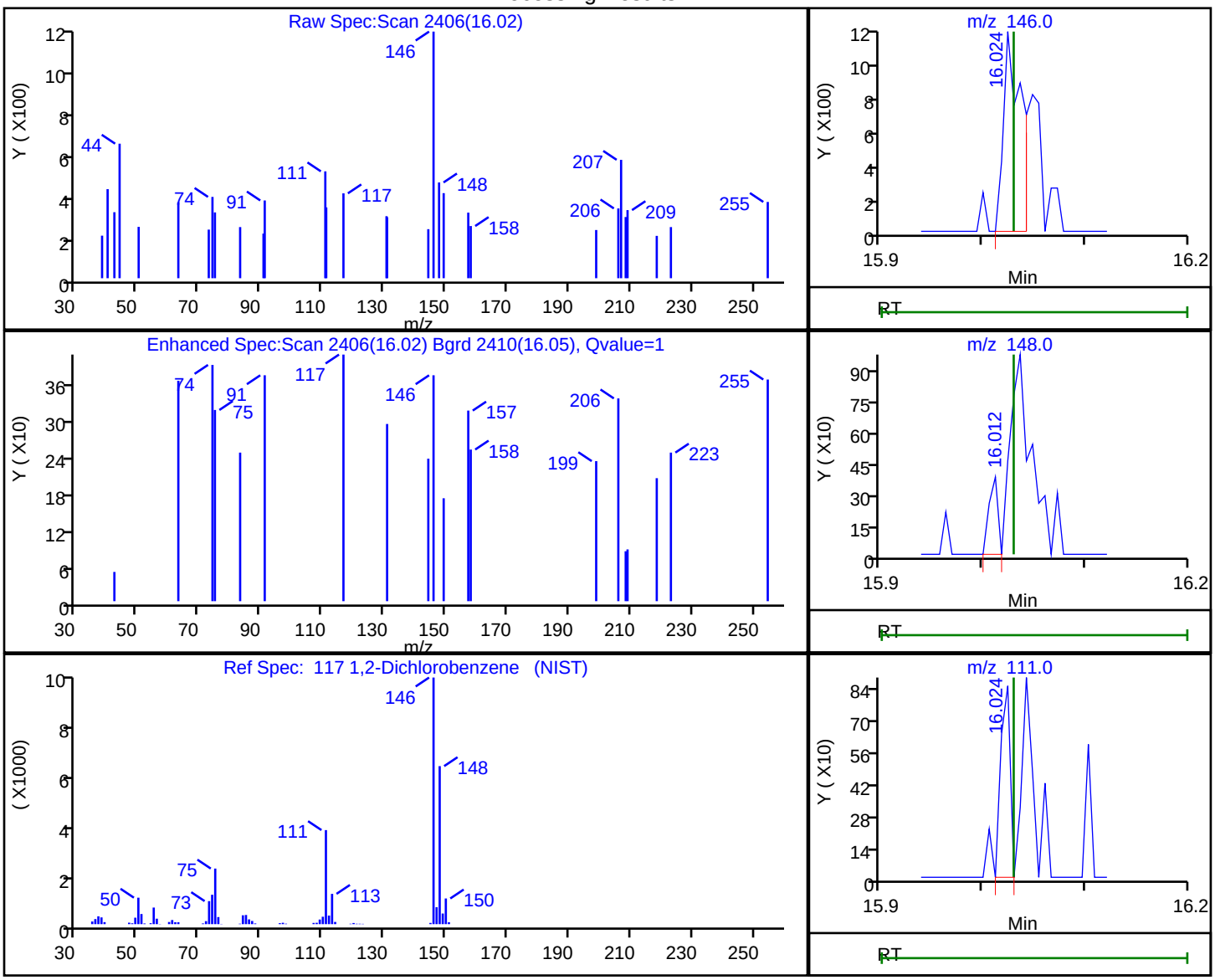
User Disabled Compound Report

Eurofins TestAmerica, Pittsburgh

Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126005.D				
Injection Date:	26-Nov-2021 14:33:30	Instrument ID:	CHHP6		
Lims ID:	mb				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
16.02	146.00	1422	0.184496
16.01	148.00	228	
16.02	111.00	542	

Reviewer: journetp, 26-Nov-2021 14:57:22

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-380301/7

Matrix: Water Lab File ID: 61127007.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/27/2021 16:28

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.: 380301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.71
75-09-2	Methylene Chloride	ND		1.0	0.89
127-18-4	Tetrachloroethene	ND		1.0	0.47
108-88-3	Toluene	ND		1.0	0.46
79-01-6	Trichloroethene	ND		1.0	0.69
75-01-4	Vinyl chloride	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		28-163
460-00-4	4-Bromofluorobenzene (Surr)	65		41-122
2037-26-5	Toluene-d8 (Surr)	72		53-125
1868-53-7	Dibromofluoromethane (Surr)	107		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127007.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 27-Nov-2021 16:28:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-007
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 09:47:27 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.313	-0.006	40	589789	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	35	923110	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.239	13.238	0.001	30	244192	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.623	0.006	29	209291	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.455	9.448	0.007	47	208653	50.0	53.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	48	280294	50.0	46.1	
$ 7 Toluene-d8 (Surr)	98	11.766	11.760	0.006	41	783198	50.0	35.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.001	37	237655	50.0	32.7	
19 Ethanol	45	3.055	3.068	-0.013	1	99187		NC	
24 Acetone	43	6.571	6.589	-0.018	1	1281		0.6574	
27 Isopropyl alcohol	45	6.602	6.712	-0.110	50	2717		10.4	
29 3-Chloro-1-propene	76	7.040	7.070	-0.030	24	410		0.1590	
28 Acetonitrile	41	7.046	7.077	-0.031	1	949		1.64	
38 Vinyl acetate	43	7.350	8.207	-0.857	1	886		0.1281	
45 Propionitrile	54	8.944	8.951	-0.007	1	278		0.3970	
46 Ethyl acetate	43	9.047	9.054	-0.007	1	398		NC	
49 Tetrahydrofuran	42	9.193	9.199	-0.006	1	1935		1.43	
50 Chloroform	83	9.278	9.272	0.006	34	9275		1.01	
55 Isobutyl alcohol	41	9.662	9.692	-0.030	1	81		0.4840	
57 1,2-Dichloroethane	62	9.899	9.911	-0.012	1	1334		0.1682	
60 n-Butanol	56	10.416	10.375	0.042	1	89		0.8727	
94 Cyclohexanone	55	10.598	10.557	0.041	1	167		1.14	
64 1,2-Dichloropropane	63	10.823	10.805	0.018	45	961		0.1690	
72 4-Methyl-2-pentanone (MIBK)	43	11.766	11.596	0.170	45	5052		20.3	
62 Ethyl acrylate	55	14.407	14.384	0.023	1	516		NC	
97 trans-1,4-Dichloro-2-butene	53	14.413	14.534	-0.121	41	250		1.43	
110 4-Isopropyltoluene	119	15.520	15.514	0.006	1	512		4.04	
124 Naphthalene	128	17.880	17.880	0.000	1	982		0.7359	
125 1,2,3-Trichlorobenzene	180	18.093	18.087	0.006	1	220		0.2743	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent

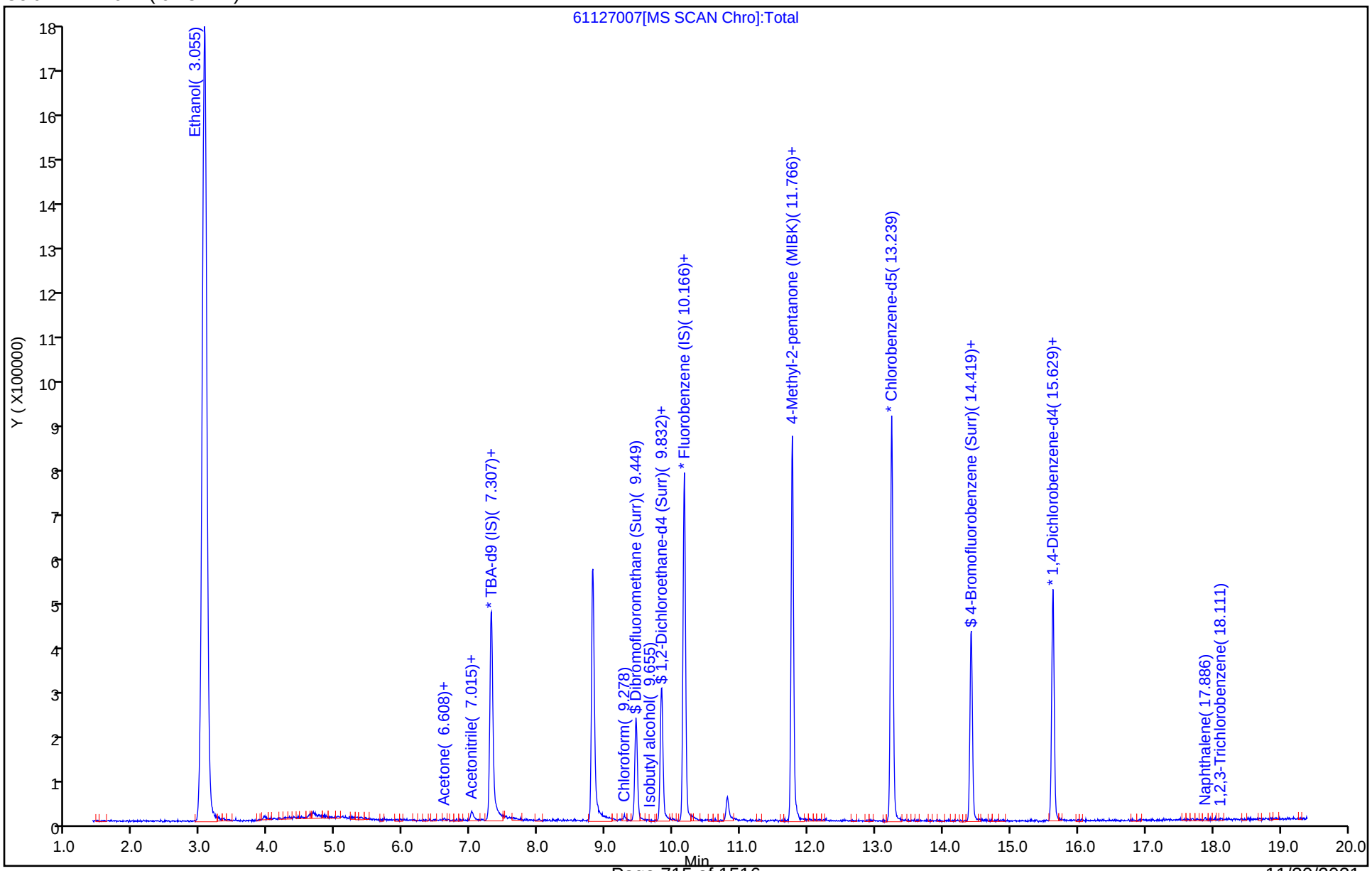
Report Date: 28-Nov-2021 10:08:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127007.D

Injection Date:	27-Nov-2021 16:28:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	mb			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-379688/3

Matrix: Water Lab File ID: 61122003.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/22/2021 13:18

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.: 379688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	9.32		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	9.95		1.0	0.71
75-09-2	Methylene Chloride	10.7		1.0	0.89
127-18-4	Tetrachloroethene	8.33		1.0	0.47
108-88-3	Toluene	9.39		1.0	0.46
79-01-6	Trichloroethene	9.19		1.0	0.69
75-01-4	Vinyl chloride	9.11		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		28-163
460-00-4	4-Bromofluorobenzene (Surr)	90		41-122
2037-26-5	Toluene-d8 (Surr)	89		53-125
1868-53-7	Dibromofluoromethane (Surr)	105		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Nov-2021 13:18:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-003
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 12:19:04 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 22-Nov-2021 14:46:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.305	7.311	-0.006	45	623105	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.169	10.163	0.006	67	1091834	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.240	13.234	0.006	90	246674	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.630	15.630	0.000	30	304749	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.451	9.445	0.006	47	243414	50.0	52.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.822	9.822	0.000	94	388625	50.0	54.0	a
$ 7 Toluene-d8 (Surr)	98	11.762	11.768	-0.006	44	985729	50.0	44.6	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	37	329838	50.0	44.9	
11 Dichlorodifluoromethane	85	3.406	3.406	0.000	31	295714	50.0	39.1	
12 Chloromethane	50	3.808	3.814	-0.006	31	450335	50.0	50.5	
13 Vinyl chloride	62	4.100	4.100	0.000	23	338916	50.0	45.6	
14 Butadiene	39	4.185	4.185	0.000	50	401713	50.0	45.1	
15 Bromomethane	94	4.829	4.829	0.000	41	150351	50.0	34.8	
16 Chloroethane	64	5.079	5.103	-0.024	21	234137	50.0	46.2	
17 Dichlorofluoromethane	67	5.553	5.559	-0.006	41	486010	50.0	41.2	
18 Trichlorofluoromethane	101	5.596	5.602	-0.006	40	358352	50.0	35.0	
20 Ethyl ether	59	6.113	6.107	0.007	45	381218	50.0	71.1	
21 Acrolein	56	6.350	6.356	-0.006	39	191380	150.0	206.8	
22 1,1-Dichloroethene	96	6.514	6.526	-0.012	37	231153	50.0	47.8	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.538	6.550	-0.012	36	242422	50.0	43.2	
24 Acetone	43	6.587	6.587	0.000	25	402673	150.0	174.7	
25 Iodomethane	142	6.763	6.775	-0.012	35	367571	50.0	51.5	
26 Carbon disulfide	76	6.867	6.873	-0.006	33	799693	50.0	54.6	
30 Methyl acetate	43	7.061	7.061	0.000	46	987577	100.0	203.3	
29 3-Chloro-1-propene	76	7.080	7.080	0.000	25	166733	50.0	54.7	
31 Methylene Chloride	84	7.286	7.298	-0.012	42	360036	50.0	53.6	
32 2-Methyl-2-propanol	59	7.420	7.414	0.006	41	371912	500.0	510.3	
33 Acrylonitrile	53	7.603	7.603	-0.001	43	2139197	500.0	820.6	
35 Methyl tert-butyl ether	73	7.639	7.639	0.000	47	916603	50.0	69.4	
34 trans-1,2-Dichloroethene	96	7.645	7.657	-0.012	38	284013	50.0	45.6	
36 Hexane	57	8.004	8.004	0.000	18	556916	50.0	58.5	
38 Vinyl acetate	43	8.205	8.205	0.000	40	711584	50.0	87.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.229	8.229	0.000	41	633130	50.0	53.7	
44 2-Butanone (MEK)	43	8.880	8.880	0.000	46	584485	150.0	195.7	
43 cis-1,2-Dichloroethene	96	8.910	8.904	0.006	44	328742	50.0	49.8	
42 2,2-Dichloropropane	97	8.910	8.916	-0.006	46	58632	50.0	37.6	
48 Chlorobromomethane	128	9.178	9.184	-0.006	25	166925	50.0	56.8	
49 Tetrahydrofuran	42	9.202	9.202	0.000	34	301483	100.0	188.6	
50 Chloroform	83	9.281	9.275	0.006	34	530171	50.0	48.8	
51 1,1,1-Trichloroethane	97	9.482	9.488	-0.006	41	363032	50.0	39.2	
55 Isobutyl alcohol	41	9.694	9.567	0.127	90	367402	1250.0	1856.1	a
52 Cyclohexane	56	9.567	9.573	-0.006	93	630073	50.0	55.3	a
54 1,1-Dichloropropene	75	9.646	9.640	0.006	69	360352	50.0	44.1	
53 Carbon tetrachloride	117	9.652	9.658	-0.006	28	296411	50.0	39.8	
56 Benzene	78	9.865	9.871	-0.006	41	1291491	50.0	51.0	
57 1,2-Dichloroethane	62	9.913	9.913	0.000	31	553503	50.0	59.0	
59 n-Heptane	43	10.108	10.114	-0.006	43	586927	50.0	87.3	
61 Trichloroethene	130	10.540	10.528	0.012	44	277250	50.0	45.9	
63 Methylcyclohexane	83	10.789	10.789	0.000	48	468558	50.0	50.3	
64 1,2-Dichloropropane	63	10.807	10.807	0.000	48	390418	50.0	58.1	
65 1,4-Dioxane	88	10.868	10.862	0.006	33	82860	1000.0	1628.8	
67 Dibromomethane	93	10.911	10.905	0.006	36	191777	50.0	59.7	
68 Dichlorobromomethane	83	11.051	11.051	0.000	31	386441	50.0	55.0	
70 2-Chloroethyl vinyl ether	63	11.288	11.288	0.000	34	117303	100.0	33.9	
71 cis-1,3-Dichloropropene	75	11.482	11.482	0.000	36	442495	50.0	64.2	
72 4-Methyl-2-pentanone (MIBK)	43	11.598	11.592	0.006	46	1112808	150.0	175.7	
73 Toluene	91	11.835	11.835	0.000	45	1299708	50.0	47.0	
75 Ethyl methacrylate	69	12.030	12.024	0.006	46	363475	50.0	68.2	
74 trans-1,3-Dichloropropene	75	12.030	12.030	0.000	35	421038	50.0	57.5	
76 1,1,2-Trichloroethane	97	12.236	12.236	0.000	95	302566	50.0	56.5	
77 Tetrachloroethene	164	12.358	12.358	0.000	43	219668	50.0	41.7	
78 1,3-Dichloropropane	76	12.413	12.413	0.000	94	555323	50.0	56.4	
79 2-Hexanone	43	12.407	12.413	-0.006	32	696277	150.0	167.7	
81 Chlorodibromomethane	129	12.644	12.644	0.000	42	258201	50.0	56.7	
82 Ethylene Dibromide	107	12.796	12.796	0.000	34	281961	50.0	57.8	
84 Chlorobenzene	112	13.264	13.270	-0.006	22	796095	50.0	48.0	
87 Ethylbenzene	106	13.331	13.331	0.000	43	419057	50.0	46.1	
86 1,1,1,2-Tetrachloroethane	131	13.337	13.337	0.000	40	273693	50.0	51.0	
88 m-Xylene & p-Xylene	106	13.447	13.459	-0.012	32	522016	50.0	44.4	
89 o-Xylene	106	13.854	13.860	-0.006	33	493334	50.0	52.7	
90 Styrene	104	13.866	13.872	-0.006	49	768259	50.0	45.1	
91 Bromoform	173	14.097	14.097	0.000	38	150358	50.0	72.0	
93 Isopropylbenzene	105	14.207	14.207	0.000	47	1145247	50.0	40.6	
96 1,1,2,2-Tetrachloroethane	83	14.505	14.505	0.000	38	336591	50.0	58.4	
97 trans-1,4-Dichloro-2-butene	53	14.547	14.535	0.012	66	99727	50.0	76.7	a
98 1,2,3-Trichloropropane	110	14.584	14.584	0.000	30	121438	50.0	61.9	
95 Bromobenzene	156	14.596	14.596	0.000	45	289302	50.0	52.6	
99 N-Propylbenzene	120	14.633	14.633	0.000	33	321085	50.0	52.4	
100 2-Chlorotoluene	126	14.766	14.766	0.000	43	272456	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	14.797	14.791	0.006	37	955419	50.0	48.9	
103 4-Chlorotoluene	126	14.882	14.882	0.000	39	273542	50.0	49.7	
104 tert-Butylbenzene	119	15.137	15.137	0.000	41	869271	50.0	53.7	
106 1,2,4-Trimethylbenzene	105	15.198	15.192	0.006	38	930228	50.0	48.4	
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1112760	50.0	55.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	884666	50.0	50.1	
109 1,3-Dichlorobenzene	146	15.557	15.551	0.006	97	468977	50.0	46.8	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	92	463056	50.0	45.6	a
116 n-Butylbenzene	91	15.940	15.940	0.000	38	667888	50.0	55.5	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	408442	50.0	46.6	
118 1,2-Dibromo-3-Chloropropane	75	16.791	16.779	0.012	69	32818	50.0	59.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	94674	50.0	42.4	
123 Hexachlorobutadiene	225	17.685	17.685	0.000	41	80829	50.0	68.9	
124 Naphthalene	128	17.880	17.874	0.006	20	190242	50.0	57.8	
125 1,2,3-Trichlorobenzene	180	18.105	18.105	0.000	35	67019	50.0	57.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	95.4	
S 131 Xylenes, Total	106				0		100.0	97.1	
S 154 Total BTEX	1				0		250.0	241.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	121.7	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

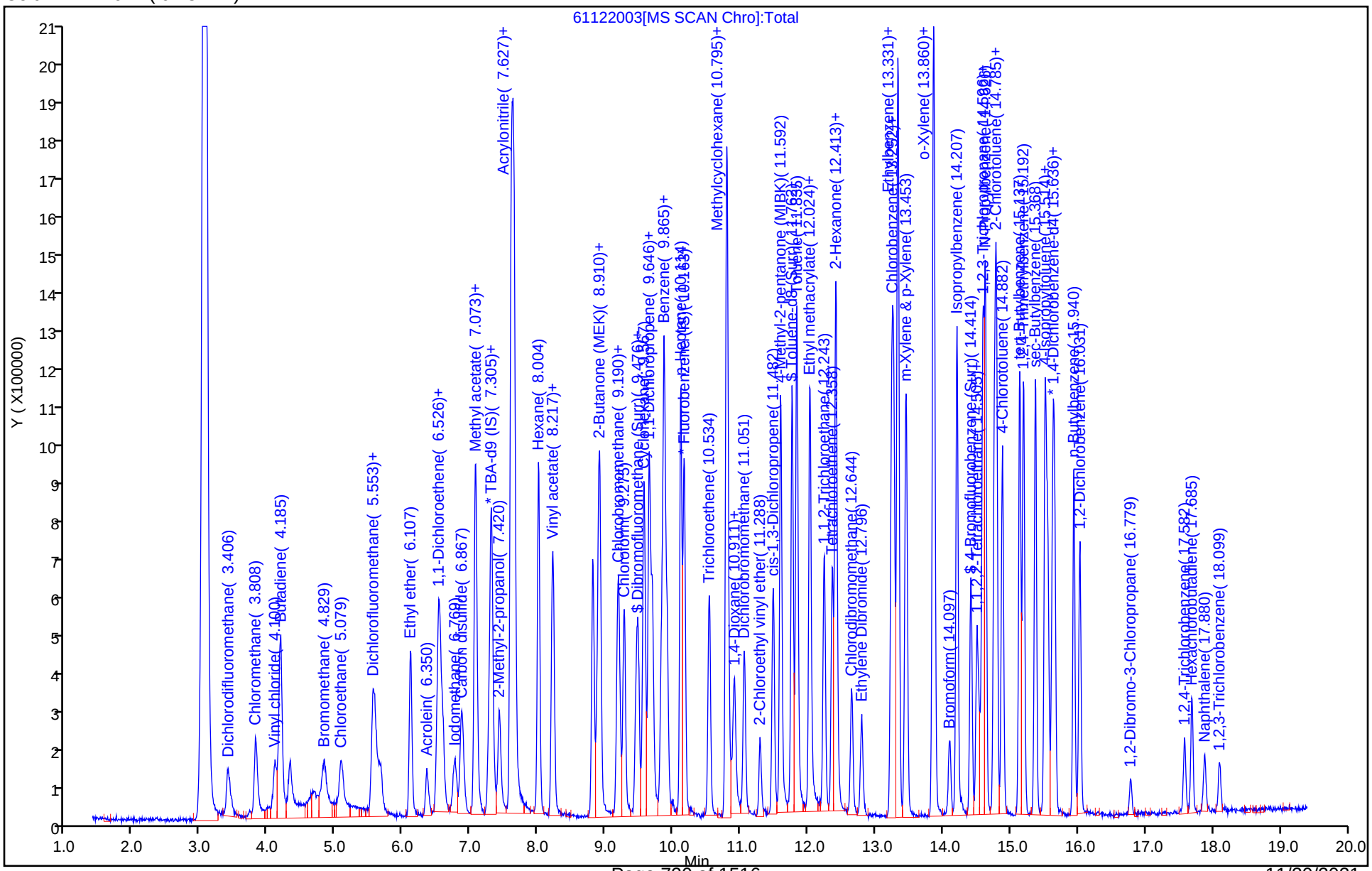
Report Date: 23-Nov-2021 12:19:10 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122003.D

Injection Date:	22-Nov-2021 13:18:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

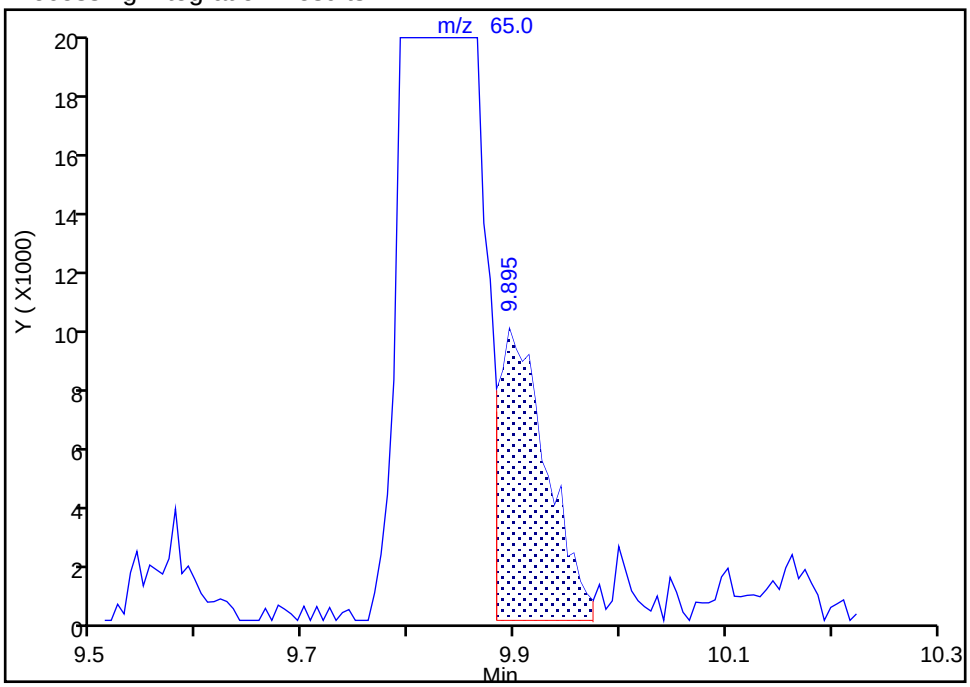
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122003.D				
Injection Date:	22-Nov-2021 13:18:30	Instrument ID:	CHHP6		
Lims ID:	LCS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

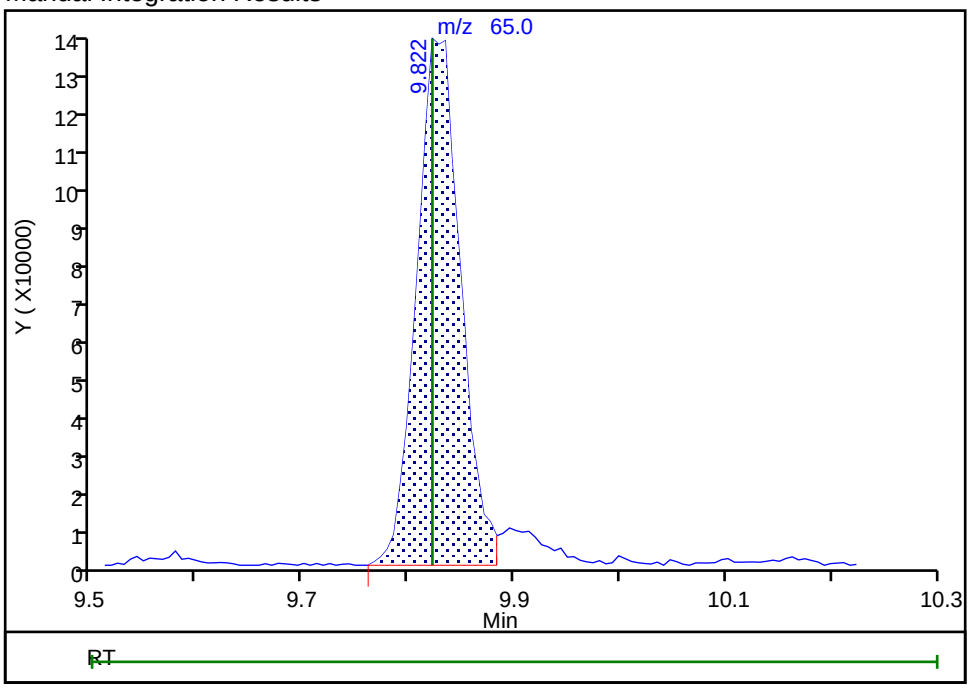
Processing Integration Results

RT: 9.90
Area: 30416
Amount: 4.229620
Amount Units: ng



Manual Integration Results

RT: 9.82
Area: 388625
Amount: 54.041818
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:16:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

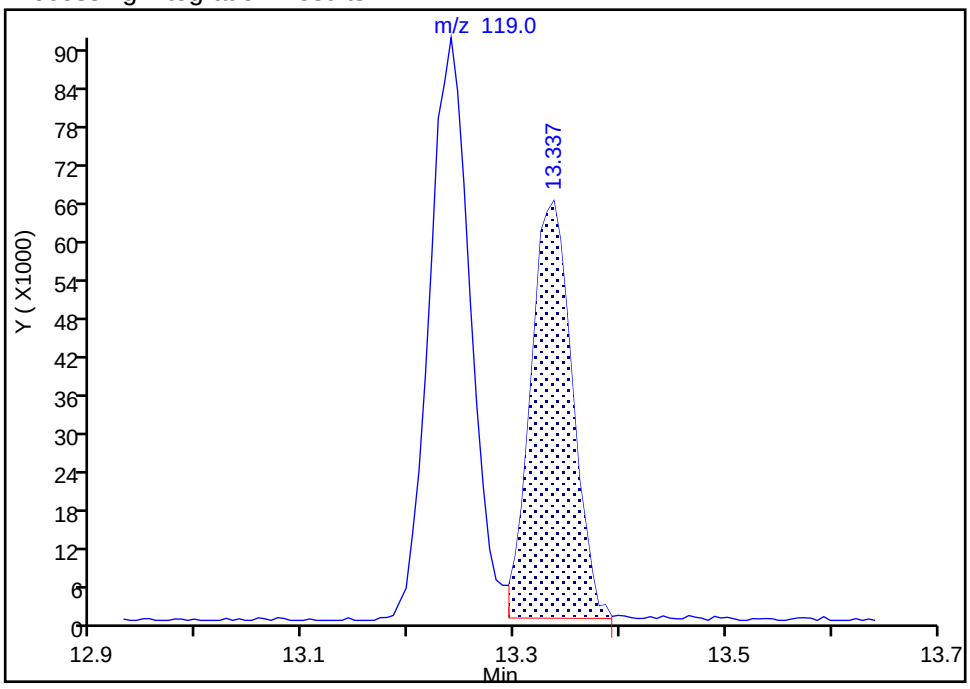
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122003.D
Injection Date: 22-Nov-2021 13:18:30 Instrument ID: CHHP6
Lims ID: LCS
Client ID:
Operator ID: 0034635 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

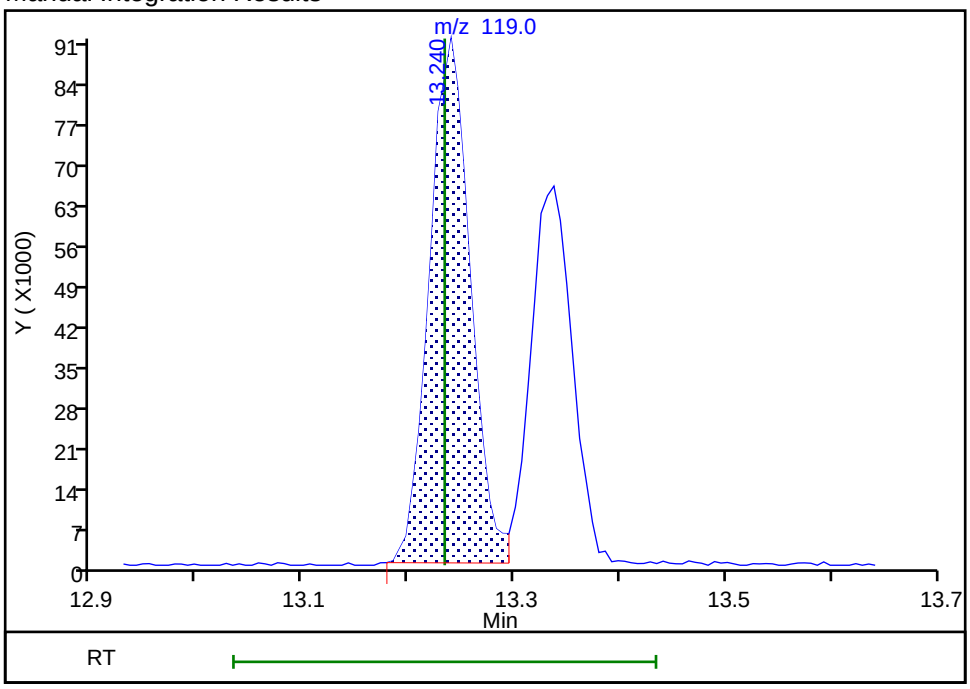
Processing Integration Results

RT: 13.34
Area: 179523
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 246674
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 12:16:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-380033/3

Matrix: Water Lab File ID: 61124003.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 10:03

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	9.84		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	10.1		1.0	0.71
75-09-2	Methylene Chloride	11.0		1.0	0.89
127-18-4	Tetrachloroethene	10.5		1.0	0.47
108-88-3	Toluene	10.4		1.0	0.46
79-01-6	Trichloroethene	9.31		1.0	0.69
75-01-4	Vinyl chloride	10.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		28-163
460-00-4	4-Bromofluorobenzene (Surr)	105		41-122
2037-26-5	Toluene-d8 (Surr)	114		53-125
1868-53-7	Dibromofluoromethane (Surr)	121		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2021 10:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-003
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:14 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 24-Nov-2021 10:34:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	46	484824	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.161	0.005	66	1117723	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.245	-0.007	89	235422	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.624	-0.001	30	313003	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.449	-0.001	47	287205	50.0	60.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	437446	50.0	59.4	
$ 7 Toluene-d8 (Surr)	98	11.766	11.767	-0.001	45	1203838	50.0	57.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.412	14.413	-0.001	37	366726	50.0	52.4	
11 Dichlorodifluoromethane	85	3.401	3.396	0.005	30	345506	50.0	44.6	
12 Chloromethane	50	3.809	3.816	-0.007	31	501085	50.0	54.9	
13 Vinyl chloride	62	4.107	4.101	0.006	22	408873	50.0	53.7	
14 Butadiene	39	4.180	4.181	-0.001	50	485022	50.0	53.6	
15 Bromomethane	94	4.831	4.795	0.036	41	192495	50.0	43.5	
16 Chloroethane	64	5.087	5.087	0.000	21	283657	50.0	54.7	
17 Dichlorofluoromethane	67	5.561	5.549	0.012	41	612287	50.0	50.7	
18 Trichlorofluoromethane	101	5.585	5.598	-0.013	97	464674	50.0	44.4	a
20 Ethyl ether	59	6.109	6.103	0.006	45	344052	50.0	62.7	
21 Acrolein	56	6.352	6.340	0.012	40	179493	150.0	189.5	
22 1,1-Dichloroethene	96	6.516	6.517	-0.001	37	289316	50.0	58.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	311238	50.0	54.1	
24 Acetone	43	6.583	6.577	0.006	25	480917	150.0	203.8	
25 Iodomethane	142	6.759	6.754	0.005	35	400388	50.0	54.8	
26 Carbon disulfide	76	6.869	6.863	0.006	38	921033	50.0	61.5	
30 Methyl acetate	43	7.064	7.064	0.000	46	953263	100.0	191.7	
29 3-Chloro-1-propene	76	7.076	7.082	-0.006	25	164486	50.0	52.7	
31 Methylene Chloride	84	7.295	7.271	0.024	43	376343	50.0	54.8	
32 2-Methyl-2-propanol	59	7.416	7.423	-0.007	43	292411	500.0	515.6	
33 Acrylonitrile	53	7.599	7.606	-0.007	43	1909839	500.0	715.6	
35 Methyl tert-butyl ether	73	7.642	7.636	0.006	48	816951	50.0	60.4	
34 trans-1,2-Dichloroethene	96	7.648	7.642	0.006	40	336887	50.0	52.9	
36 Hexane	57	8.007	8.001	0.006	27	660600	50.0	67.8	
38 Vinyl acetate	43	8.207	8.202	0.005	40	208443	50.0	24.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	674474	50.0	55.9	
44 2-Butanone (MEK)	43	8.870	8.877	-0.007	47	588851	150.0	192.6	
43 cis-1,2-Dichloroethene	96	8.901	8.907	-0.006	46	343034	50.0	50.7	
42 2,2-Dichloropropane	97	8.913	8.907	0.006	46	64030	50.0	40.1	
48 Chlorobromomethane	128	9.175	9.175	0.000	27	166454	50.0	55.3	
49 Tetrahydrofuran	42	9.199	9.199	0.000	93	249537	100.0	152.5	a
50 Chloroform	83	9.272	9.272	0.000	34	545242	50.0	49.0	
51 1,1,1-Trichloroethane	97	9.479	9.479	0.000	40	421580	50.0	44.5	
52 Cyclohexane	56	9.564	9.571	-0.006	33	745540	50.0	63.9	
54 1,1-Dichloropropene	75	9.643	9.644	-0.001	67	417773	50.0	50.0	
53 Carbon tetrachloride	117	9.643	9.650	-0.007	27	337023	50.0	44.2	
55 Isobutyl alcohol	41	9.692	9.686	0.006	88	335614	1250.0	1656.2	a
56 Benzene	78	9.862	9.863	0.000	42	1353593	50.0	52.2	
57 1,2-Dichloroethane	62	9.905	9.911	-0.006	31	551889	50.0	57.5	
59 n-Heptane	43	10.111	10.112	-0.001	43	693347	50.0	100.7	E
61 Trichloroethene	130	10.537	10.532	0.005	44	287701	50.0	46.6	
63 Methylcyclohexane	83	10.793	10.793	0.000	48	560250	50.0	58.5	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	46	389030	50.0	56.5	
65 1,4-Dioxane	88	10.854	10.854	0.000	33	71711	1000.0	1377.0	
67 Dibromomethane	93	10.902	10.903	-0.001	36	184729	50.0	56.2	
68 Dichlorobromomethane	83	11.054	11.055	-0.001	31	383347	50.0	53.3	
70 2-Chloroethyl vinyl ether	63	11.286	11.292	-0.006	33	125751	100.0	35.5	
71 cis-1,3-Dichloropropene	75	11.480	11.481	-0.001	36	419896	50.0	59.5	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.590	0.006	46	809723	150.0	138.6	
73 Toluene	91	11.833	11.834	-0.001	45	1378474	50.0	52.2	
75 Ethyl methacrylate	69	12.022	12.028	-0.006	46	286198	50.0	58.5	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	37	401326	50.0	57.4	
76 1,1,2-Trichloroethane	97	12.235	12.241	-0.006	94	295101	50.0	57.7	
77 Tetrachloroethene	164	12.356	12.357	-0.001	44	263927	50.0	52.5	
78 1,3-Dichloropropane	76	12.411	12.411	0.000	91	523108	50.0	55.7	
79 2-Hexanone	43	12.417	12.411	0.006	33	607312	150.0	155.0	
81 Chlorodibromomethane	129	12.642	12.649	-0.007	35	249310	50.0	57.3	
82 Ethylene Dibromide	107	12.800	12.795	0.005	35	257559	50.0	55.4	
84 Chlorobenzene	112	13.269	13.269	0.000	22	805539	50.0	50.9	
87 Ethylbenzene	106	13.330	13.330	0.000	44	432963	50.0	49.7	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	273822	50.0	53.4	
88 m-Xylene & p-Xylene	106	13.451	13.452	-0.001	32	551768	50.0	48.9	
89 o-Xylene	106	13.859	13.853	0.006	33	504917	50.0	56.5	
90 Styrene	104	13.871	13.872	-0.001	49	780923	50.0	47.7	
91 Bromoform	173	14.096	14.103	-0.007	38	143237	50.0	71.9	
93 Isopropylbenzene	105	14.212	14.212	0.000	48	1240308	50.0	45.7	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	32	304620	50.0	55.3	
97 trans-1,4-Dichloro-2-butene	53	14.546	14.535	0.011	69	92818	50.0	69.6	a
98 1,2,3-Trichloropropane	110	14.589	14.583	0.006	36	110438	50.0	54.8	
95 Bromobenzene	156	14.595	14.589	0.006	45	301078	50.0	53.3	
99 N-Propylbenzene	120	14.631	14.626	0.005	34	353764	50.0	56.0	
100 2-Chlorotoluene	126	14.765	14.766	-0.001	43	284884	50.0	51.6	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	1028707	50.0	51.1	
103 4-Chlorotoluene	126	14.887	14.887	0.000	39	286203	50.0	50.6	
104 tert-Butylbenzene	119	15.136	15.137	-0.001	42	849637	50.0	51.2	
106 1,2,4-Trimethylbenzene	105	15.191	15.192	-0.001	39	990972	50.0	50.1	
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	1255318	50.0	60.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	966067	50.0	53.0	
109 1,3-Dichlorobenzene	146	15.550	15.551	-0.001	98	523963	50.0	50.9	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	94	509584	50.0	48.8	a
116 n-Butylbenzene	91	15.939	15.940	-0.001	38	724264	50.0	58.4	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	443036	50.0	49.2	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.786	-0.001	70	27206	50.0	47.9	a
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	89493	50.0	39.0	
123 Hexachlorobutadiene	225	17.691	17.692	-0.001	41	103176	50.0	86.3	
124 Naphthalene	128	17.874	17.874	0.000	20	128830	50.0	42.7	
125 1,2,3-Trichlorobenzene	180	18.105	18.100	0.005	34	59092	50.0	49.3	
S 130 1,2-Dichloroethene, Total	96				0		100.0	103.6	
S 131 Xylenes, Total	106				0		100.0	105.4	
S 154 Total BTEX	1				0		250.0	259.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	116.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

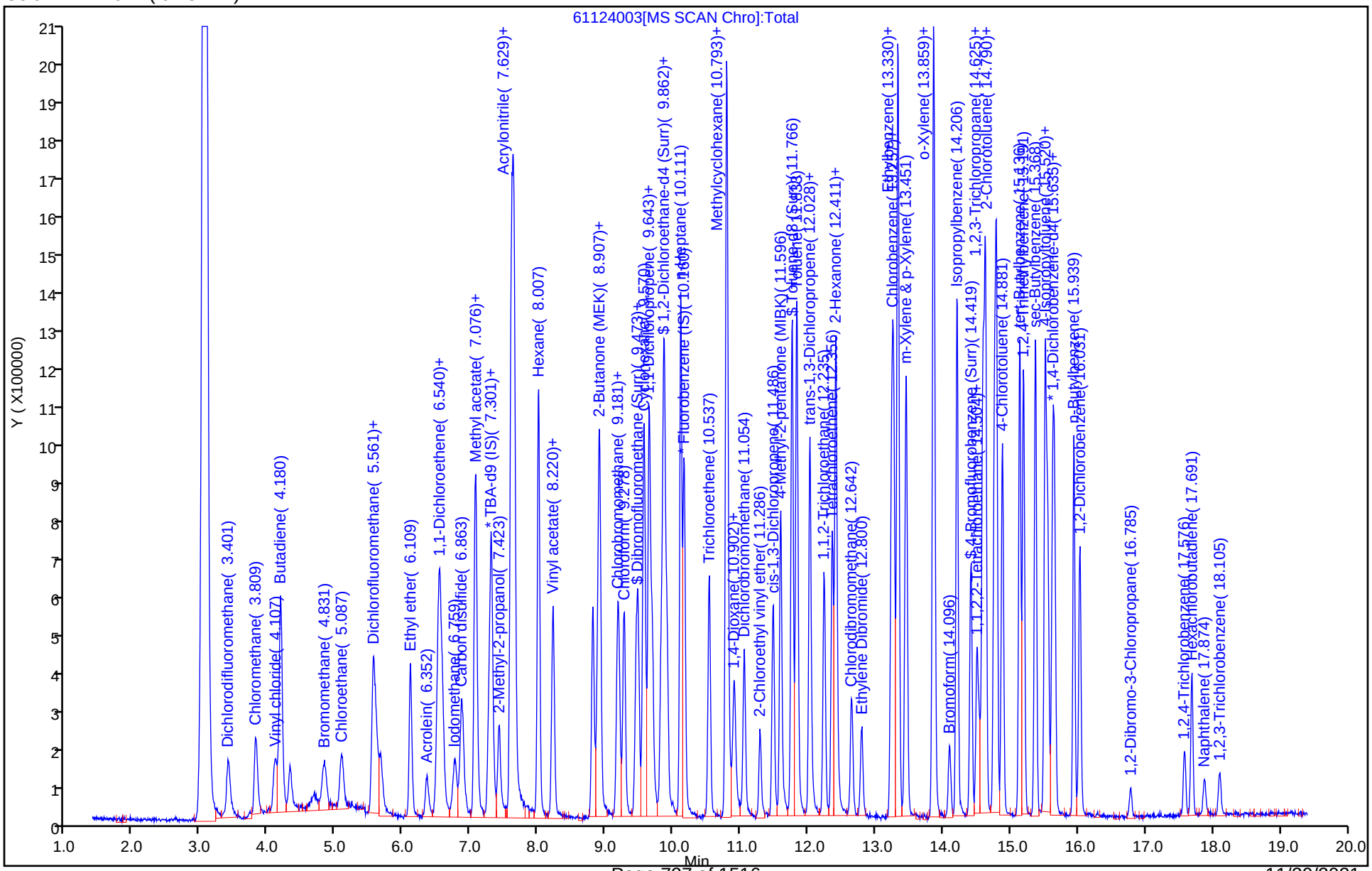
Report Date: 26-Nov-2021 11:21:21 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124003.D

Injection Date:	24-Nov-2021 10:03:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

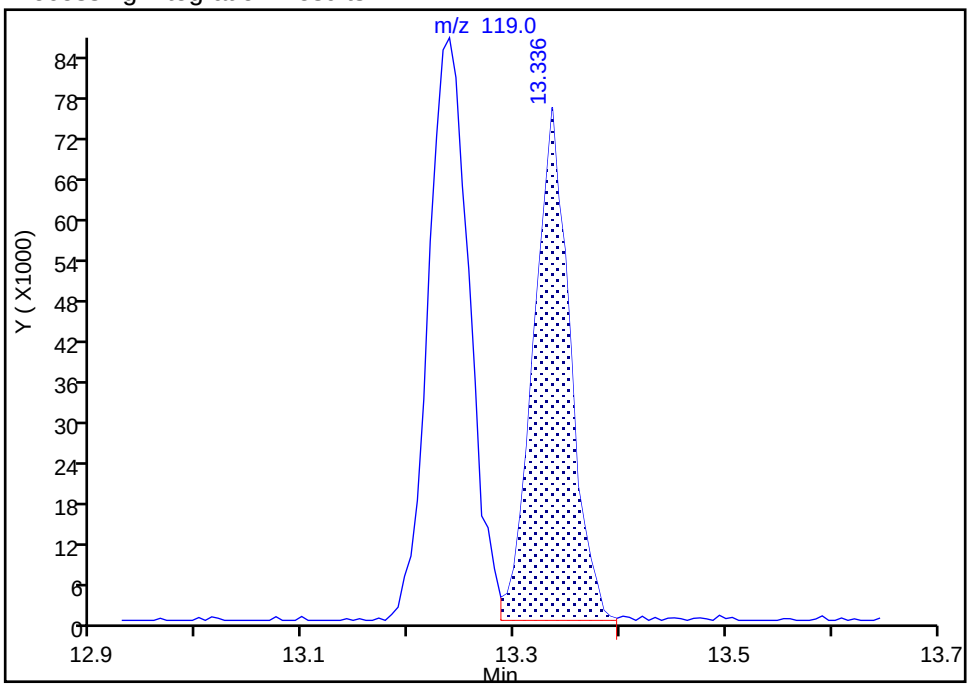
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124003.D
Injection Date: 24-Nov-2021 10:03:30 Instrument ID: CHHP6
Lims ID: LCS
Client ID:
Operator ID: 0034635 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

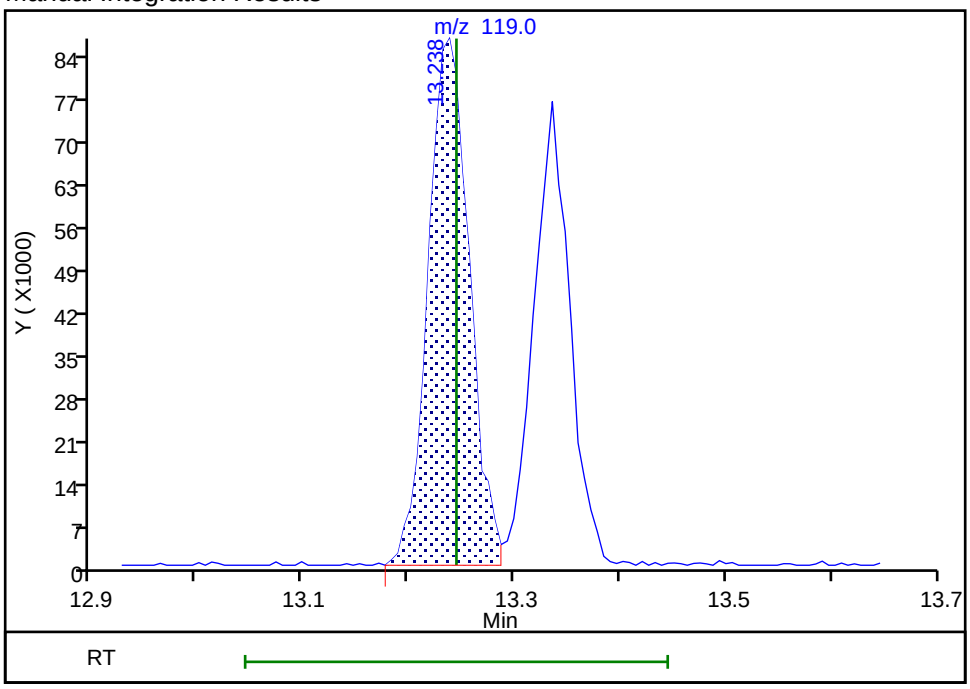
Processing Integration Results

RT: 13.34
Area: 183143
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 235422
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 24-Nov-2021 10:33:57
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-380188/3

Matrix: Water Lab File ID: 61126003.D

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/26/2021 13:36

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.: 380188 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	8.77		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	8.67		1.0	0.71
75-09-2	Methylene Chloride	8.78		1.0	0.89
127-18-4	Tetrachloroethene	7.27		1.0	0.47
108-88-3	Toluene	8.52		1.0	0.46
79-01-6	Trichloroethene	7.74		1.0	0.69
75-01-4	Vinyl chloride	7.29		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		28-163
460-00-4	4-Bromofluorobenzene (Surr)	86		41-122
2037-26-5	Toluene-d8 (Surr)	90		53-125
1868-53-7	Dibromofluoromethane (Surr)	100		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Nov-2021 13:36:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040242-003
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 27-Nov-2021 15:48:25 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1637

First Level Reviewer: journetp Date: 26-Nov-2021 14:54:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.301	7.306	-0.005	47	422009	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.160	10.165	-0.005	68	966152	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.233	13.237	-0.005	31	206020	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.628	-0.005	30	235959	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.455	9.447	0.008	47	204156	50.0	49.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.830	-0.004	47	280591	50.0	44.1	
$ 7 Toluene-d8 (Surr)	98	11.766	11.765	0.001	44	833478	50.0	45.1	
$ 8 4-Bromofluorobenzene (Surr)	95	14.419	14.411	0.008	37	262999	50.0	42.9	
11 Dichlorodifluoromethane	85	3.408	3.400	0.008	33	191775	50.0	28.6	
12 Chloromethane	50	3.803	3.808	-0.005	31	341469	50.0	43.3	
13 Vinyl chloride	62	4.095	4.094	0.001	23	239928	50.0	36.4	
14 Butadiene	39	4.180	4.179	0.001	50	287401	50.0	36.1	
15 Bromomethane	94	4.831	4.836	-0.005	42	131387	50.0	34.3	
16 Chloroethane	64	5.087	5.085	0.002	21	166094	50.0	37.1	
17 Dichlorofluoromethane	67	5.555	5.554	0.001	41	341771	50.0	32.7	
18 Trichlorofluoromethane	101	5.592	5.596	-0.004	40	244022	50.0	27.0	
20 Ethyl ether	59	6.109	6.107	0.002	45	274056	50.0	57.8	
21 Acrolein	56	6.358	6.351	0.007	39	129162	150.0	157.7	
22 1,1-Dichloroethene	96	6.522	6.515	0.007	37	179793	50.0	42.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.545	0.002	36	190142	50.0	38.3	
24 Acetone	43	6.589	6.588	0.001	25	323176	150.0	158.5	
25 Iodomethane	142	6.772	6.771	0.002	36	273367	50.0	43.3	
26 Carbon disulfide	76	6.869	6.868	0.001	39	586605	50.0	45.3	
30 Methyl acetate	43	7.064	7.063	0.002	46	974810	100.0	226.8	
29 3-Chloro-1-propene	76	7.070	7.081	-0.011	25	118825	50.0	44.0	
31 Methylene Chloride	84	7.289	7.294	-0.005	42	265694	50.0	43.9	
32 2-Methyl-2-propanol	59	7.423	7.428	-0.005	44	255784	500.0	518.2	
33 Acrylonitrile	53	7.599	7.604	-0.005	43	1650542	500.0	715.5	
35 Methyl tert-butyl ether	73	7.636	7.634	0.002	48	643374	50.0	55.1	
34 trans-1,2-Dichloroethene	96	7.648	7.653	-0.005	39	226529	50.0	41.1	
36 Hexane	57	8.007	8.005	0.002	15	398664	50.0	47.3	
38 Vinyl acetate	43	8.214	8.212	0.002	97	295722	50.0	40.9	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.226	8.218	0.008	40	452463	50.0	43.4	
44 2-Butanone (MEK)	43	8.883	8.881	0.002	46	544705	150.0	206.1	
43 cis-1,2-Dichloroethene	96	8.907	8.906	0.001	47	253447	50.0	43.3	
42 2,2-Dichloropropane	97	8.925	8.912	0.013	46	38905	50.0	28.2	
48 Chlorobromomethane	128	9.181	9.180	0.001	27	127170	50.0	48.9	
49 Tetrahydrofuran	42	9.199	9.204	-0.005	34	240111	100.0	169.8	
50 Chloroform	83	9.278	9.277	0.001	34	382613	50.0	39.8	
51 1,1,1-Trichloroethane	97	9.485	9.484	0.001	40	265144	50.0	32.4	
52 Cyclohexane	56	9.576	9.569	0.007	32	468135	50.0	46.4	
54 1,1-Dichloropropene	75	9.643	9.642	0.001	70	262681	50.0	36.4	
53 Carbon tetrachloride	117	9.649	9.648	0.001	27	215101	50.0	32.6	
55 Isobutyl alcohol	41	9.692	9.691	0.001	94	319730	1250.0	1825.3	a
56 Benzene	78	9.868	9.867	0.001	42	988248	50.0	44.1	
57 1,2-Dichloroethane	62	9.905	9.910	-0.005	31	386269	50.0	46.5	
59 n-Heptane	43	10.112	10.116	-0.004	43	480846	50.0	80.8	
61 Trichloroethene	130	10.531	10.536	-0.005	44	206611	50.0	38.7	
63 Methylcyclohexane	83	10.793	10.792	0.001	47	338597	50.0	41.3	
64 1,2-Dichloropropane	63	10.805	10.810	-0.005	46	286602	50.0	48.2	
65 1,4-Dioxane	88	10.860	10.865	-0.005	33	51541	1000.0	1144.9	
67 Dibromomethane	93	10.909	10.907	0.002	36	144886	50.0	51.0	
68 Dichlorobromomethane	83	11.049	11.053	-0.004	31	259007	50.0	41.7	
70 2-Chloroethyl vinyl ether	63	11.298	11.284	0.014	34	113888	100.0	37.2	
71 cis-1,3-Dichloropropene	75	11.487	11.485	0.002	36	320958	50.0	52.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.595	0.001	46	1097061	150.0	203.9	
73 Toluene	91	11.833	11.832	0.001	45	984983	50.0	42.6	
75 Ethyl methacrylate	69	12.022	12.021	0.001	49	264876	50.0	61.2	
74 trans-1,3-Dichloropropene	75	12.028	12.033	-0.005	36	299583	50.0	49.0	
76 1,1,2-Trichloroethane	97	12.241	12.240	0.001	93	237420	50.0	53.1	
77 Tetrachloroethene	164	12.363	12.361	0.002	43	160046	50.0	36.4	
78 1,3-Dichloropropane	76	12.411	12.410	0.001	86	410244	50.0	49.9	a
79 2-Hexanone	43	12.411	12.416	-0.005	33	675569	150.0	191.6	
81 Chlorodibromomethane	129	12.648	12.653	-0.005	35	184831	50.0	48.6	
82 Ethylene Dibromide	107	12.795	12.793	0.001	34	199942	50.0	49.1	
84 Chlorobenzene	112	13.263	13.274	-0.011	22	605907	50.0	43.8	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.335	0.001	40	209331	50.0	46.7	
87 Ethylbenzene	106	13.330	13.335	-0.005	42	314949	50.0	41.7	
88 m-Xylene & p-Xylene	106	13.458	13.456	0.002	32	366626	50.0	37.8	
89 o-Xylene	106	13.853	13.852	0.001	33	360313	50.0	46.1	
90 Styrene	104	13.871	13.870	0.001	49	572321	50.0	40.7	
91 Bromoform	173	14.102	14.101	0.001	40	94797	50.0	54.4	
93 Isopropylbenzene	105	14.212	14.211	0.001	47	811381	50.0	34.8	
96 1,1,2,2-Tetrachloroethane	83	14.510	14.503	0.007	35	243943	50.0	50.6	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.545	-0.005	67	77102	50.0	76.6	a
98 1,2,3-Trichloropropane	110	14.589	14.588	0.001	32	83571	50.0	55.0	
95 Bromobenzene	156	14.589	14.594	-0.005	45	212263	50.0	49.8	
99 N-Propylbenzene	120	14.632	14.636	-0.004	34	241508	50.0	51.0	
100 2-Chlorotoluene	126	14.766	14.764	0.002	42	207444	50.0	49.9	
102 1,3,5-Trimethylbenzene	105	14.796	14.795	0.001	37	688491	50.0	45.7	
103 4-Chlorotoluene	126	14.881	14.880	0.001	39	208858	50.0	49.0	
104 tert-Butylbenzene	119	15.137	15.141	-0.004	42	634684	50.0	50.8	
106 1,2,4-Trimethylbenzene	105	15.197	15.196	0.001	39	677045	50.0	45.7	
108 sec-Butylbenzene	105	15.368	15.373	-0.005	31	789812	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
110 4-Isopropyltoluene	119	15.514	15.519	-0.005	33	641966	50.0	47.2	
109 1,3-Dichlorobenzene	146	15.556	15.555	0.001	97	349085	50.0	45.0	a
111 1,4-Dichlorobenzene	146	15.654	15.658	-0.004	93	338808	50.0	43.1	a
116 n-Butylbenzene	91	15.940	15.938	0.002	38	495763	50.0	53.3	
117 1,2-Dichlorobenzene	146	16.025	16.030	-0.005	96	297795	50.0	43.9	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.784	-0.005	66	21428	50.0	50.1	
122 1,2,4-Trichlorobenzene	180	17.582	17.581	0.001	30	57840	50.0	33.5	
123 Hexachlorobutadiene	225	17.692	17.696	-0.004	41	49064	50.0	53.4	
124 Naphthalene	128	17.880	17.873	0.007	20	107966	50.0	46.2	
125 1,2,3-Trichlorobenzene	180	18.099	18.098	0.001	34	42985	50.0	47.5	
S 130 1,2-Dichloroethene, Total	96				0		100.0	84.5	
S 131 Xylenes, Total	106				0		100.0	83.9	
S 154 Total BTEX	1				0		250.0	212.4	
S 132 1,3-Dichloropropene, Total	1				0		100.0	101.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

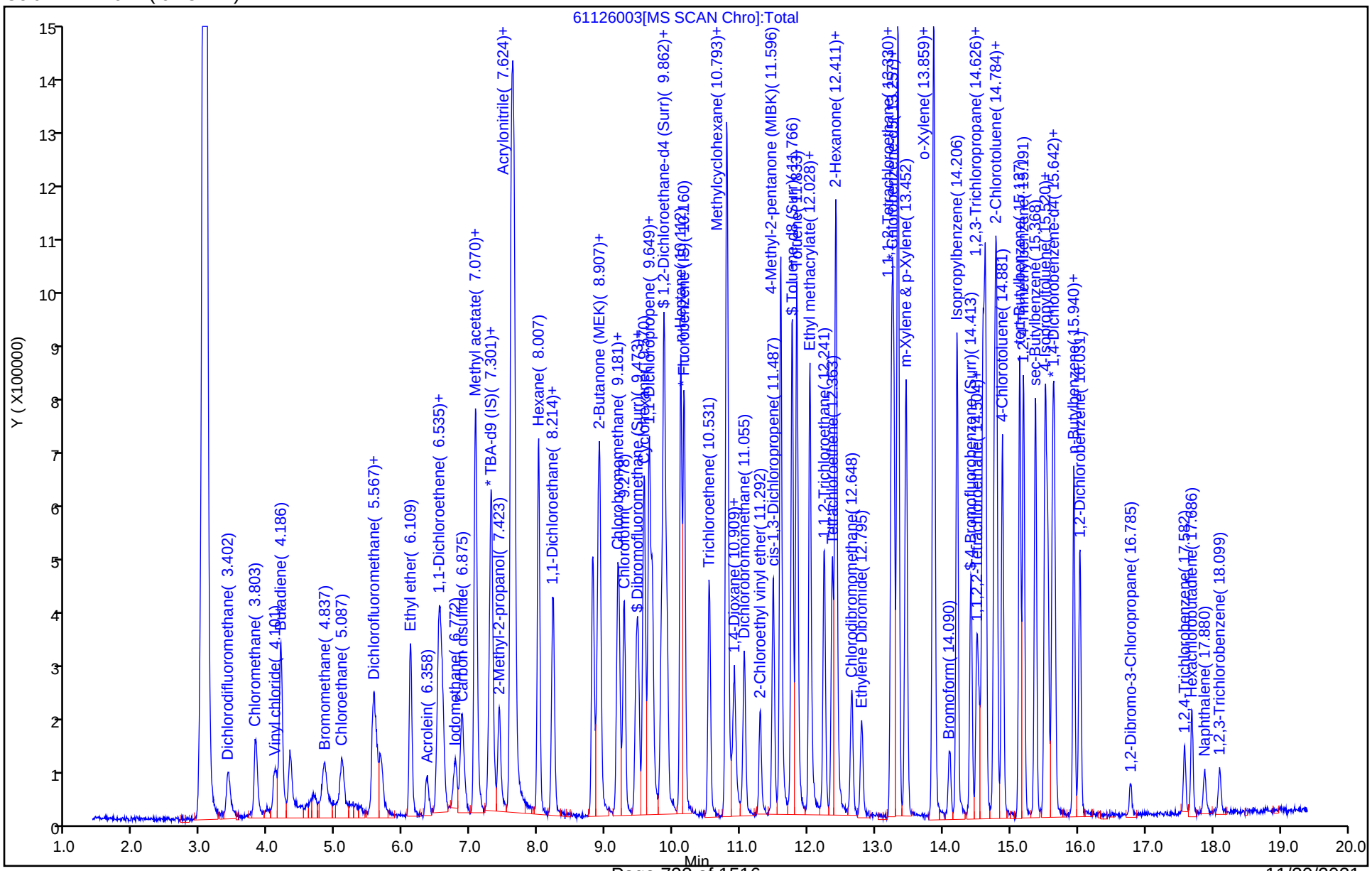
Report Date: 27-Nov-2021 15:48:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126003.D

Injection Date:	26-Nov-2021 13:36:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

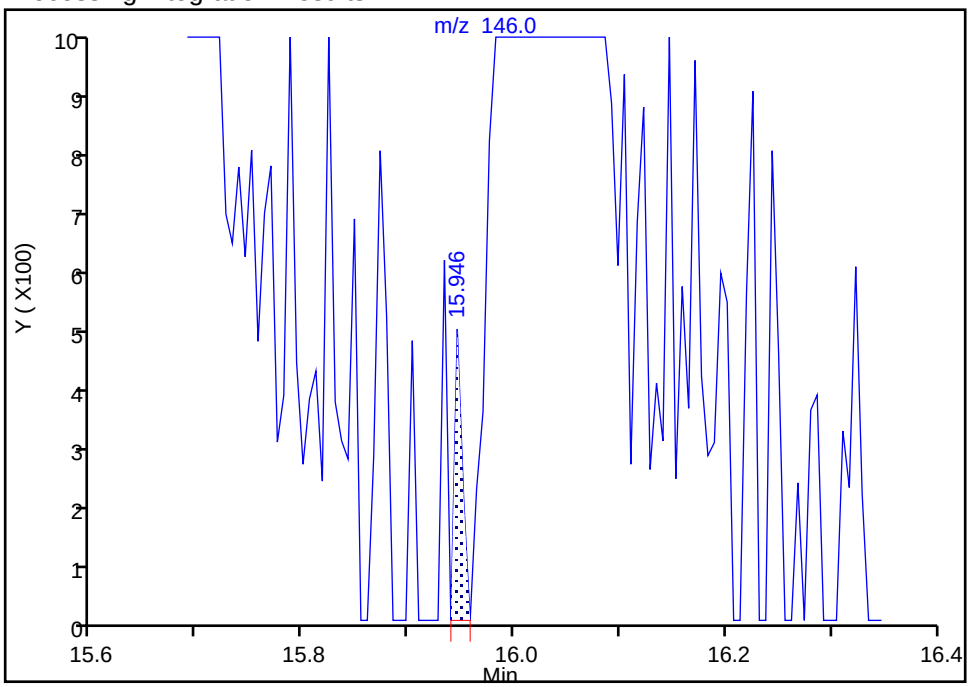
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211126-40242.b\61126003.D				
Injection Date:	26-Nov-2021 13:36:30	Instrument ID:	CHHP6		
Lims ID:	LCS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

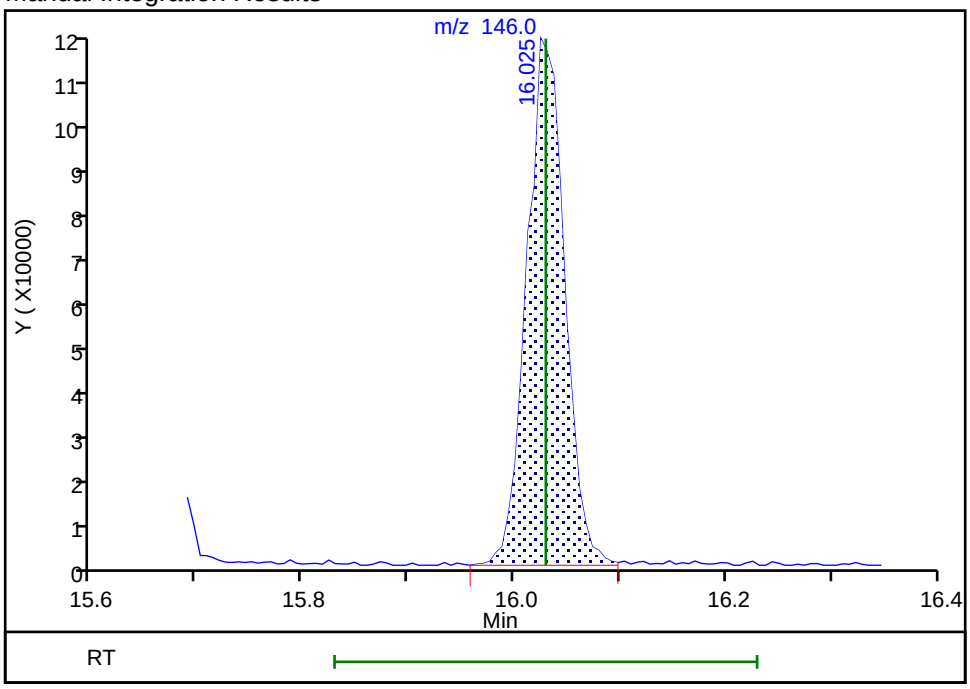
Processing Integration Results

RT: 15.95
Area: 258
Amount: 0.038005
Amount Units: ng



Manual Integration Results

RT: 16.02
Area: 297795
Amount: 43.867448
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 14:53:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-380301/1004

Matrix: Water Lab File ID: 61127004-LCS.d

Analysis Method: EPA 624.1 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/27/2021 15:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 380301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	9.47		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	9.65		1.0	0.71
75-09-2	Methylene Chloride	9.59		1.0	0.89
127-18-4	Tetrachloroethene	8.89		1.0	0.47
108-88-3	Toluene	9.81		1.0	0.46
79-01-6	Trichloroethene	8.91		1.0	0.69
75-01-4	Vinyl chloride	9.66		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		28-163
460-00-4	4-Bromofluorobenzene (Surr)	89		41-122
2037-26-5	Toluene-d8 (Surr)	94		53-125
1868-53-7	Dibromofluoromethane (Surr)	100		59-168

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Nov-2021 15:04:30 ALS Bottle#: 4 Worklist Smp#: 1004
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040259-004
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 28-Nov-2021 10:09:07 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: journetp Date: 27-Nov-2021 15:38:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.313	7.313	0.000	42	410307	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.166	0.000	68	1030639	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.238	13.238	0.000	31	217953	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.623	0.000	30	261769	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.448	0.000	47	219059	50.0	50.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	47	289434	50.0	42.6	
$ 7 Toluene-d8 (Surr)	98	11.760	11.760	0.000	44	922629	50.0	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.413	0.000	37	289422	50.0	44.6	
11 Dichlorodifluoromethane	85	3.401	3.401	0.000	33	301518	50.0	42.2	
12 Chloromethane	50	3.809	3.809	0.000	31	436375	50.0	51.8	
13 Vinyl chloride	62	4.101	4.101	0.000	22	339277	50.0	48.3	
14 Butadiene	39	4.186	4.186	0.000	50	422218	50.0	50.5	
15 Bromomethane	94	4.831	4.831	0.000	41	153822	50.0	37.7	
16 Chloroethane	64	5.093	5.093	0.000	21	204423	50.0	42.8	
17 Dichlorofluoromethane	67	5.555	5.555	0.000	41	438311	50.0	39.3	
18 Trichlorofluoromethane	101	5.585	5.585	0.000	47	345308	50.0	35.8	
20 Ethyl ether	59	6.109	6.109	0.000	45	310193	50.0	61.3	
21 Acrolein	56	6.352	6.352	0.000	39	127764	150.0	146.3	
22 1,1-Dichloroethene	96	6.522	6.522	0.000	37	246809	50.0	54.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	36	263777	50.0	49.8	
24 Acetone	43	6.589	6.589	0.000	25	450256	150.0	207.0	
25 Iodomethane	142	6.772	6.772	0.000	37	325084	50.0	48.3	
26 Carbon disulfide	76	6.863	6.863	0.000	33	813526	50.0	58.9	
30 Methyl acetate	43	7.064	7.064	0.000	46	979528	100.0	213.6	
29 3-Chloro-1-propene	76	7.070	7.070	0.000	25	152586	50.0	53.0	
31 Methylene Chloride	84	7.307	7.307	0.000	90	307144	50.0	48.0	a
32 2-Methyl-2-propanol	59	7.429	7.429	0.000	44	273393	500.0	569.7	
33 Acrylonitrile	53	7.605	7.605	0.000	43	1754002	500.0	712.8	
35 Methyl tert-butyl ether	73	7.636	7.636	0.000	47	699869	50.0	56.1	
34 trans-1,2-Dichloroethene	96	7.648	7.648	0.000	39	284006	50.0	48.3	
36 Hexane	57	8.007	8.007	0.000	15	585530	50.0	65.2	
38 Vinyl acetate	43	8.207	8.207	0.000	97	384060	50.0	49.7	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.220	8.220	0.000	40	560740	50.0	50.4	
44 2-Butanone (MEK)	43	8.883	8.883	0.000	47	580676	150.0	205.9	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	48	301011	50.0	48.3	
42 2,2-Dichloropropane	97	8.913	8.913	0.000	46	52631	50.0	35.7	
48 Chlorobromomethane	128	9.175	9.175	0.000	27	134880	50.0	48.6	
49 Tetrahydrofuran	42	9.199	9.199	0.000	34	263304	100.0	174.5	
50 Chloroform	83	9.272	9.272	0.000	34	441052	50.0	43.0	
51 1,1,1-Trichloroethane	97	9.485	9.485	0.000	41	334552	50.0	38.3	
52 Cyclohexane	56	9.570	9.570	0.000	47	672620	50.0	62.5	
54 1,1-Dichloropropene	75	9.637	9.637	0.000	68	350575	50.0	45.5	
53 Carbon tetrachloride	117	9.655	9.655	0.000	27	273004	50.0	38.8	
55 Isobutyl alcohol	41	9.692	9.692	0.000	90	351105	1250.0	1879.0	a
56 Benzene	78	9.868	9.868	0.000	42	1163275	50.0	48.7	
57 1,2-Dichloroethane	62	9.911	9.911	0.000	32	422913	50.0	47.8	
59 n-Heptane	43	10.111	10.111	0.000	43	691071	50.0	108.9	E
61 Trichloroethene	130	10.537	10.537	0.000	44	253959	50.0	44.6	
64 1,2-Dichloropropane	63	10.805	10.805	0.000	45	318982	50.0	50.3	
65 1,4-Dioxane	88	10.866	10.866	0.000	33	66581	1000.0	1386.5	
67 Dibromomethane	93	10.902	10.902	0.000	36	154094	50.0	50.8	
63 Methylcyclohexane	83	10.921	10.921	0.000	52	1782	50.0	1.60	
68 Dichlorobromomethane	83	11.054	11.054	0.000	31	301473	50.0	45.5	
70 2-Chloroethyl vinyl ether	63	11.286	11.286	0.000	34	154745	100.0	47.4	
71 cis-1,3-Dichloropropene	75	11.480	11.480	0.000	37	370705	50.0	57.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.596	0.000	46	772970	150.0	142.3	
73 Toluene	91	11.833	11.833	0.000	45	1199461	50.0	49.1	
75 Ethyl methacrylate	69	12.022	12.022	0.000	49	275761	50.0	60.4	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	38	339281	50.0	52.4	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	93	254194	50.0	53.7	
77 Tetrachloroethene	164	12.362	12.362	0.000	43	206998	50.0	44.4	
79 2-Hexanone	43	12.411	12.411	0.000	33	620400	150.0	169.0	
78 1,3-Dichloropropane	76	12.417	12.417	0.000	95	452189	50.0	52.0	
81 Chlorodibromomethane	129	12.642	12.642	0.000	35	200317	50.0	49.8	
82 Ethylene Dibromide	107	12.800	12.800	0.000	34	219284	50.0	50.9	
84 Chlorobenzene	112	13.269	13.269	0.000	22	733463	50.0	50.1	
87 Ethylbenzene	106	13.330	13.330	0.000	45	367105	50.0	45.7	
86 1,1,1,2-Tetrachloroethane	131	13.336	13.336	0.000	40	240829	50.0	50.8	
88 m-Xylene & p-Xylene	106	13.451	13.451	0.000	32	447208	50.0	43.2	
89 o-Xylene	106	13.853	13.853	0.000	33	429908	50.0	52.0	
90 Styrene	104	13.871	13.871	0.000	52	660551	50.0	44.0	
91 Bromoform	173	14.102	14.102	0.000	38	108297	50.0	58.7	
93 Isopropylbenzene	105	14.206	14.206	0.000	47	1036603	50.0	41.5	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	35	267607	50.0	52.5	
97 trans-1,4-Dichloro-2-butene	53	14.534	14.534	0.000	59	87758	50.0	78.6	a
98 1,2,3-Trichloropropane	110	14.583	14.583	0.000	32	92194	50.0	54.7	
95 Bromobenzene	156	14.595	14.595	0.000	46	255968	50.0	54.1	
99 N-Propylbenzene	120	14.632	14.632	0.000	34	307967	50.0	58.2	
100 2-Chlorotoluene	126	14.765	14.765	0.000	43	248537	50.0	53.8	
102 1,3,5-Trimethylbenzene	105	14.796	14.796	0.000	37	850593	50.0	50.6	
103 4-Chlorotoluene	126	14.881	14.881	0.000	39	252986	50.0	53.5	
104 tert-Butylbenzene	119	15.136	15.136	0.000	42	820141	50.0	58.8	
106 1,2,4-Trimethylbenzene	105	15.191	15.191	0.000	39	849929	50.0	51.4	
108 sec-Butylbenzene	105	15.374	15.374	0.000	31	1065207	50.0	61.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
110 4-Isopropyltoluene	119	15.514	15.514	0.000	33	851757	50.0	55.6	
109 1,3-Dichlorobenzene	146	15.550	15.550	0.000	97	423898	50.0	49.3	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	93	416208	50.0	47.7	a
116 n-Butylbenzene	91	15.939	15.939	0.000	38	658801	50.0	63.3	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	32	356656	50.0	47.4	
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.779	0.006	64	24385	50.0	51.4	
122 1,2,4-Trichlorobenzene	180	17.582	17.582	0.000	30	78182	50.0	40.8	
123 Hexachlorobutadiene	225	17.691	17.691	0.000	41	70456	50.0	69.9	
124 Naphthalene	128	17.880	17.880	0.000	20	144048	50.0	52.8	
125 1,2,3-Trichlorobenzene	180	18.087	18.087	0.000	96	59183	50.0	59.0	a
S 130 1,2-Dichloroethene, Total	96				0		100.0	96.6	
S 131 Xylenes, Total	106				0		100.0	95.1	
S 154 Total BTEX	1				0		250.0	238.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	109.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260INT_00130	Amount Added:	2.00	Units: uL
VOA8260SURR_00128	Amount Added:	2.00	Units: uL
VOAACRPRI_00042	Amount Added:	6.00	Units: uL
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL
VOACEVEPRI_00103	Amount Added:	2.00	Units: uL
VOAVAPRI_00051	Amount Added:	2.00	Units: uL
VOA8260VOA2ND_00475	Amount Added:	2.00	Units: uL

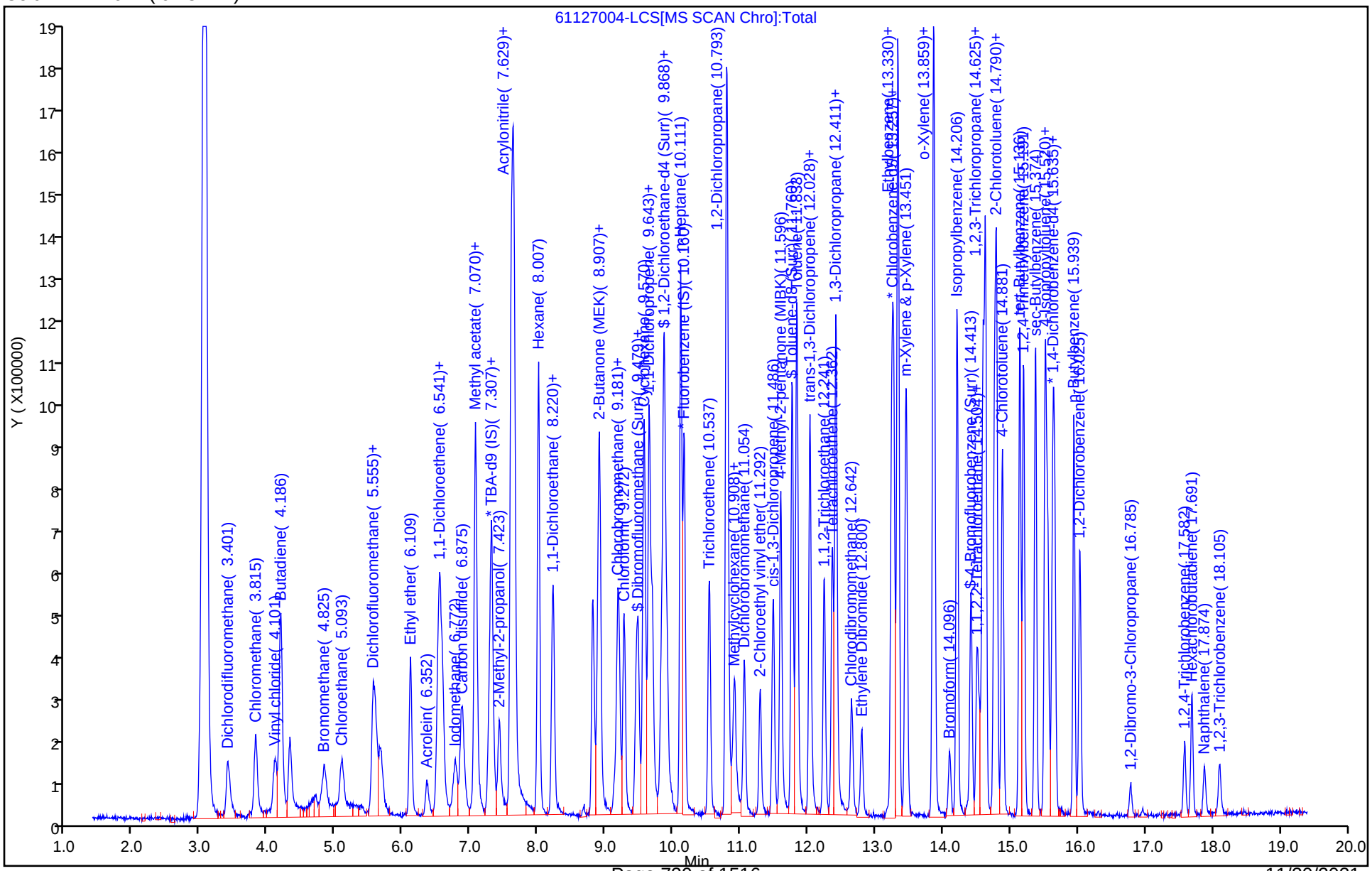
Report Date: 28-Nov-2021 10:09:12 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Environment Testing America

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004-LCS.d

Injection Date:	27-Nov-2021 15:04:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	LCS			Worklist Smp#:	1004
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Environment Testing America

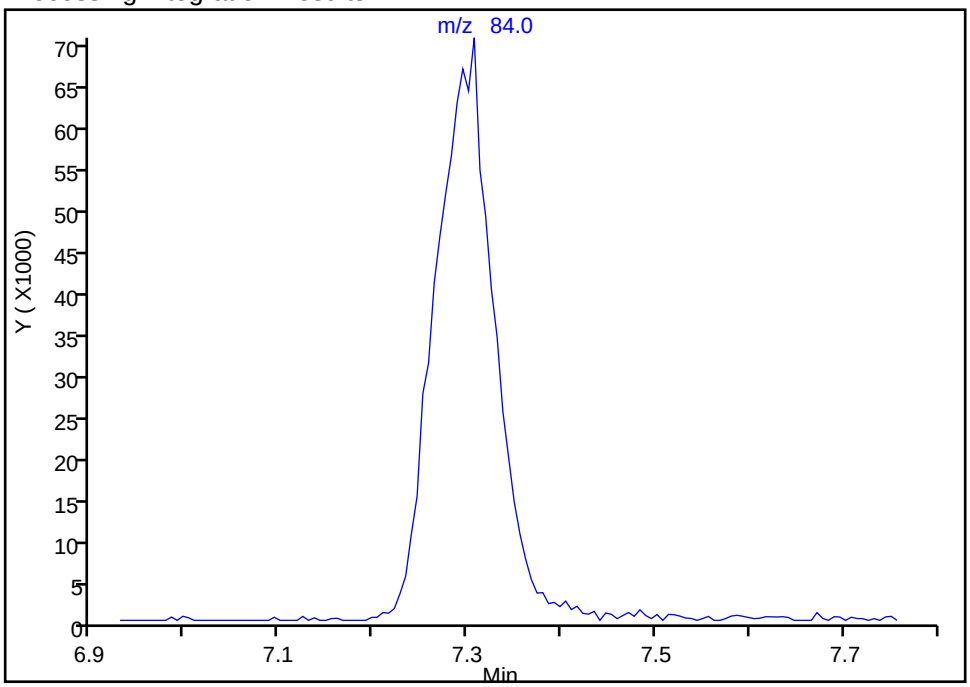
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211127-40259.b\61127004-LCS.d
Injection Date: 27-Nov-2021 15:04:30 Instrument ID: CHHP6
Lims ID: LCS
Client ID:
Operator ID: 0034635 ALS Bottle#: 4 Worklist Smp#: 1004
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Signal: 1

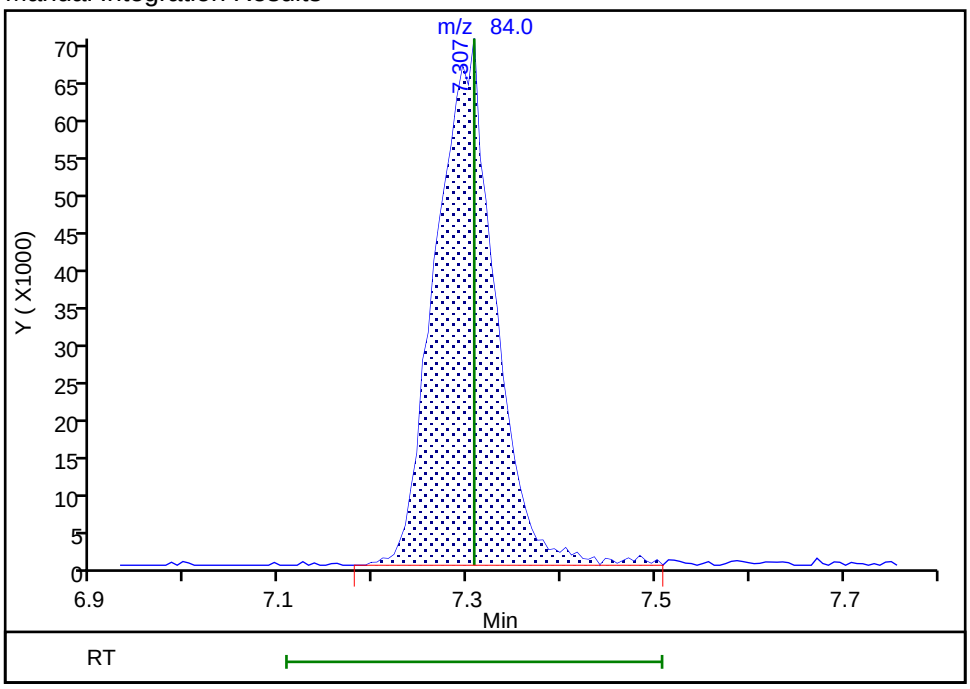
Not Detected
Expected RT: 7.31

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 307144
Amount: 47.972277
Amount Units: ng



Reviewer: journetp, 27-Nov-2021 15:36:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-001 MS Lab Sample ID: 180-130108-2 MS

Matrix: Water Lab File ID: 61122027.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 13:30

Sample wt/vol: 5(mL) Date Analyzed: 11/23/2021 01:15

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.: 379688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	9.51		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	14.2		1.0	0.71
75-09-2	Methylene Chloride	9.83		1.0	0.89
127-18-4	Tetrachloroethene	13.0		1.0	0.47
108-88-3	Toluene	11.3		1.0	0.46
79-01-6	Trichloroethene	17.9		1.0	0.69
75-01-4	Vinyl chloride	11.3		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	64		28-163
460-00-4	4-Bromofluorobenzene (Surr)	83		41-122
2037-26-5	Toluene-d8 (Surr)	94		53-125
1868-53-7	Dibromofluoromethane (Surr)	87		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122027.D
Lims ID: 180-130108-F-2 MS
Client ID:
Sample Type: MS
Inject. Date: 23-Nov-2021 01:15:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-027
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 14:25:41 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 23-Nov-2021 14:25:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.305	7.311	-0.006	41	354739	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.163	10.163	0.000	68	1789590	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.234	13.234	0.000	89	347998	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.624	15.630	-0.006	30	433445	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.446	9.445	0.001	47	329488	50.0	43.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.829	9.822	0.007	94	380037	50.0	32.2	a
$ 7 Toluene-d8 (Surr)	98	11.763	11.768	-0.005	45	1459356	50.0	46.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.414	14.414	0.000	37	427932	50.0	41.3	
11 Dichlorodifluoromethane	85	3.413	3.406	0.007	30	564247	50.0	45.5	
12 Chloromethane	50	3.820	3.814	0.006	31	838942	50.0	57.4	
13 Vinyl chloride	62	4.106	4.100	0.006	23	691443	50.0	56.7	
14 Butadiene	39	4.185	4.185	0.000	50	767362	50.0	52.9	
15 Bromomethane	94	4.806	4.829	-0.023	41	308667	50.0	43.5	
16 Chloroethane	64	5.085	5.103	-0.018	99	435649	50.0	52.5	a
17 Dichlorofluoromethane	67	5.560	5.559	0.001	41	912107	50.0	47.1	
18 Trichlorofluoromethane	101	5.590	5.602	-0.012	40	714862	50.0	42.7	
20 Ethyl ether	59	6.113	6.107	0.007	45	389665	50.0	44.3	
21 Acrolein	56	6.356	6.356	0.000	39	234649	150.0	154.7	
22 1,1-Dichloroethene	96	6.514	6.526	-0.012	37	467647	50.0	59.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.545	6.550	-0.005	36	519819	50.0	56.5	
24 Acetone	43	6.587	6.587	0.000	25	361325	100.0	95.6	
25 Iodomethane	142	6.752	6.775	-0.023	35	636037	50.0	54.4	
26 Carbon disulfide	76	6.867	6.873	-0.006	38	1571700	50.0	65.5	
30 Methyl acetate	43	7.062	7.061	0.001	46	593483	100.0	74.5	
29 3-Chloro-1-propene	76	7.080	7.080	0.000	25	282538	50.0	56.5	
31 Methylene Chloride	84	7.275	7.298	-0.023	33	545417	50.0	49.2	
32 2-Methyl-2-propanol	59	7.421	7.414	0.007	42	238463	500.0	574.7	
33 Acrylonitrile	53	7.603	7.603	0.000	44	1139166	500.0	266.6	
35 Methyl tert-butyl ether	73	7.640	7.639	0.001	49	834921	50.0	38.6	
34 trans-1,2-Dichloroethene	96	7.652	7.657	-0.005	40	539547	50.0	52.9	
36 Hexane	57	8.010	8.004	0.006	17	1148264	50.0	73.6	
38 Vinyl acetate	43	8.211	8.205	0.006	40	971153	50.0	72.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.223	8.229	-0.006	41	1095901	50.0	56.7	
44 2-Butanone (MEK)	43	8.880	8.880	0.000	47	608823	100.0	124.3	
43 cis-1,2-Dichloroethene	96	8.904	8.904	0.000	38	767385	50.0	70.9	
42 2,2-Dichloropropane	97	8.917	8.916	0.001	46	104871	50.0	41.0	
48 Chlorobromomethane	128	9.184	9.184	0.000	28	197161	50.0	40.9	
49 Tetrahydrofuran	42	9.202	9.202	0.000	34	160275	100.0	61.2	
50 Chloroform	83	9.275	9.275	0.000	38	907888	50.0	51.0	
51 1,1,1-Trichloroethane	97	9.482	9.488	-0.006	41	689184	50.0	45.4	
55 Isobutyl alcohol	41	9.689	9.567	0.122	89	271845	1250.0	837.9	a
52 Cyclohexane	56	9.567	9.573	-0.006	36	1293418	50.0	69.2	
54 1,1-Dichloropropene	75	9.646	9.640	0.006	68	685394	50.0	51.2	
53 Carbon tetrachloride	117	9.652	9.658	-0.006	28	553811	50.0	45.3	
56 Benzene	78	9.865	9.871	-0.006	41	2197883	50.0	53.0	
57 1,2-Dichloroethane	62	9.908	9.913	-0.005	31	584341	50.0	38.0	
59 n-Heptane	43	10.115	10.114	0.001	43	1095460	50.0	99.4	
61 Trichloroethene	130	10.534	10.528	0.006	44	887629	50.0	89.7	
63 Methylcyclohexane	83	10.790	10.789	0.001	49	963712	50.0	62.8	
64 1,2-Dichloropropane	63	10.808	10.807	0.001	46	550298	50.0	49.9	
65 1,4-Dioxane	88	10.857	10.862	-0.005	33	45853	1000.0	549.9	
67 Dibromomethane	93	10.911	10.905	0.006	36	183397	50.0	34.8	
68 Dichlorobromomethane	83	11.057	11.051	0.006	31	506722	50.0	44.0	
71 cis-1,3-Dichloropropene	75	11.483	11.482	0.001	37	515702	50.0	45.6	
72 4-Methyl-2-pentanone (MIBK)	43	11.592	11.592	0.000	46	1345452	100.0	153.4	
73 Toluene	91	11.836	11.835	0.001	45	2212821	50.0	56.7	
75 Ethyl methacrylate	69	11.836	12.024	-0.188	50	296	50.0	1.21	
74 trans-1,3-Dichloropropene	75	12.024	12.030	-0.006	35	436069	50.0	42.2	
76 1,1,2-Trichloroethane	97	12.243	12.236	0.007	93	295896	50.0	39.2	
77 Tetrachloroethene	164	12.365	12.358	0.007	44	484996	50.0	65.2	
78 1,3-Dichloropropane	76	12.413	12.413	0.000	99	540462	50.0	38.9	
79 2-Hexanone	43	12.413	12.413	0.000	33	825790	100.0	144.2	
81 Chlorodibromomethane	129	12.644	12.644	0.000	36	269462	50.0	41.9	
82 Ethylene Dibromide	107	12.796	12.796	0.000	34	232282	50.0	33.8	
84 Chlorobenzene	112	13.265	13.270	-0.005	22	1245342	50.0	53.3	
87 Ethylbenzene	106	13.332	13.331	0.001	46	733086	50.0	56.7	
86 1,1,1,2-Tetrachloroethane	131	13.332	13.337	-0.005	40	398874	50.0	52.7	
88 m-Xylene & p-Xylene	106	13.453	13.459	-0.006	32	886806	50.0	52.9	
89 o-Xylene	106	13.855	13.860	-0.005	33	823991	50.0	62.4	
90 Styrene	104	13.867	13.872	-0.005	50	1242854	50.0	51.1	
91 Bromoform	173	14.098	14.097	0.001	38	126499	50.0	43.0	
93 Isopropylbenzene	105	14.207	14.207	0.000	47	2123687	50.0	52.5	
96 1,1,2,2-Tetrachloroethane	83	14.499	14.505	-0.006	37	276112	50.0	33.9	
97 trans-1,4-Dichloro-2-butene	53	14.457	14.535	-0.078	58	169	50.0	1.25	
98 1,2,3-Trichloropropane	110	14.590	14.584	0.006	32	90238	50.0	32.3	
95 Bromobenzene	156	14.590	14.596	-0.006	45	403418	50.0	51.5	
99 N-Propylbenzene	120	14.633	14.633	0.000	34	600784	50.0	68.1	
100 2-Chlorotoluene	126	14.761	14.766	-0.005	43	471259	50.0	61.7	
102 1,3,5-Trimethylbenzene	105	14.791	14.791	0.000	37	1721591	50.0	61.2	
103 4-Chlorotoluene	126	14.882	14.882	0.000	39	467065	50.0	59.6	
104 tert-Butylbenzene	119	15.144	15.137	0.007	46	1622985	50.0	69.9	
106 1,2,4-Trimethylbenzene	105	15.193	15.192	0.001	40	1668273	50.0	60.4	
108 sec-Butylbenzene	105	15.369	15.368	0.001	31	2169328	50.0	74.8	
110 4-Isopropyltoluene	119	15.515	15.514	0.001	32	1703260	50.0	66.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
109 1,3-Dichlorobenzene	146	15.551	15.551	0.000	97	754794	50.0	53.0	a
111 1,4-Dichlorobenzene	146	15.655	15.654	0.001	94	714611	50.0	49.4	a
116 n-Butylbenzene	91	15.941	15.940	0.001	38	1327574	50.0	76.6	
117 1,2-Dichlorobenzene	146	16.032	16.031	0.001	97	593200	50.0	47.6	a
118 1,2-Dibromo-3-Chloropropane	75	16.786	16.779	0.007	67	22460	50.0	28.6	
122 1,2,4-Trichlorobenzene	180	17.576	17.582	-0.006	31	133149	50.0	41.9	
123 Hexachlorobutadiene	225	17.692	17.685	0.007	41	138713	50.0	83.7	
124 Naphthalene	128	17.874	17.874	0.000	20	160056	50.0	39.4	
125 1,2,3-Trichlorobenzene	180	18.099	18.105	-0.006	35	88786	50.0	53.4	
S 130 1,2-Dichloroethene, Total	96				0		100.0	123.7	
S 131 Xylenes, Total	106				0		100.0	115.3	
S 154 Total BTEX	1				0		250.0	281.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	87.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

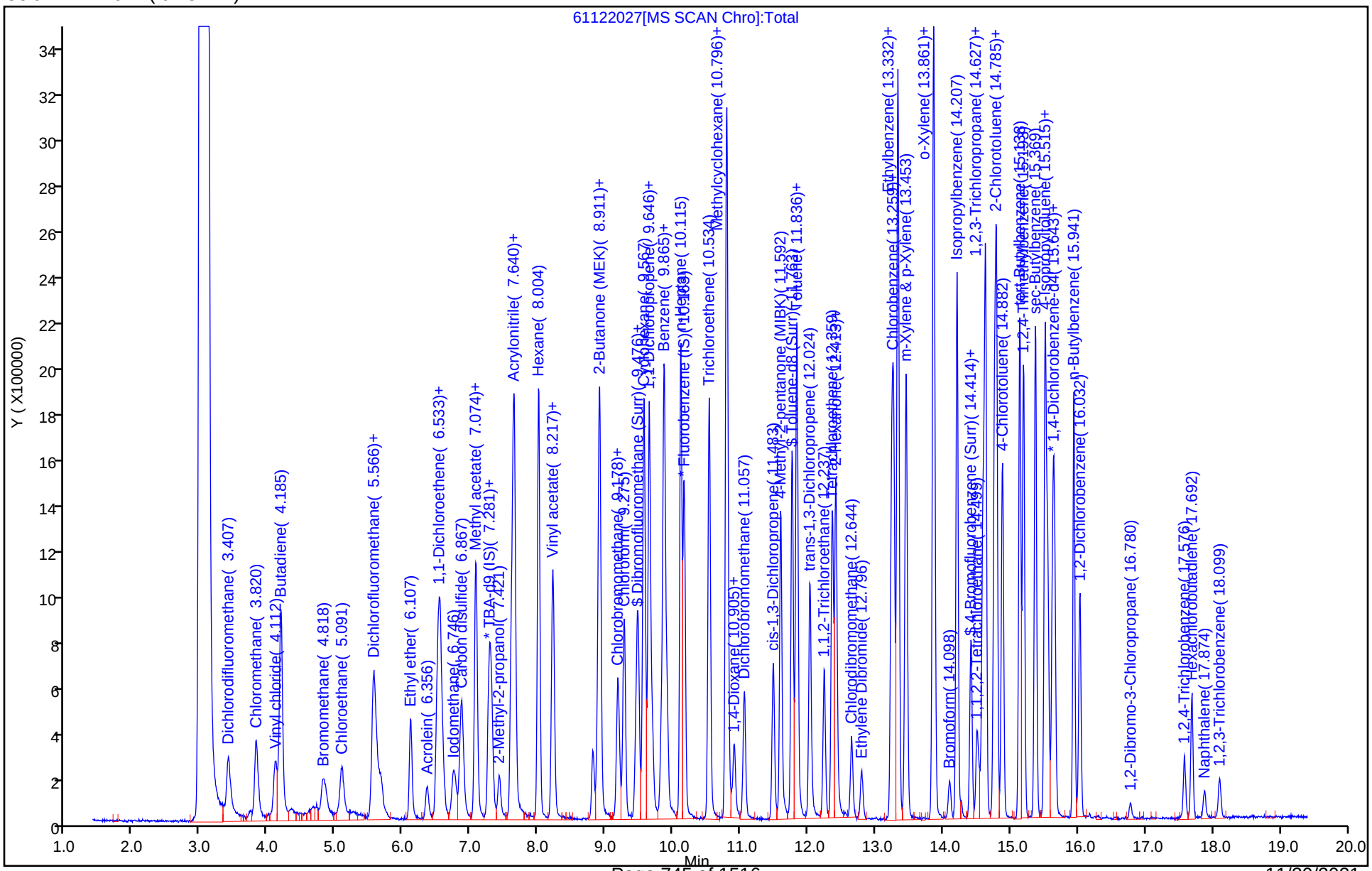
Report Date: 23-Nov-2021 14:25:42 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122027.D

Injection Date:	23-Nov-2021 01:15:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-2 MS			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

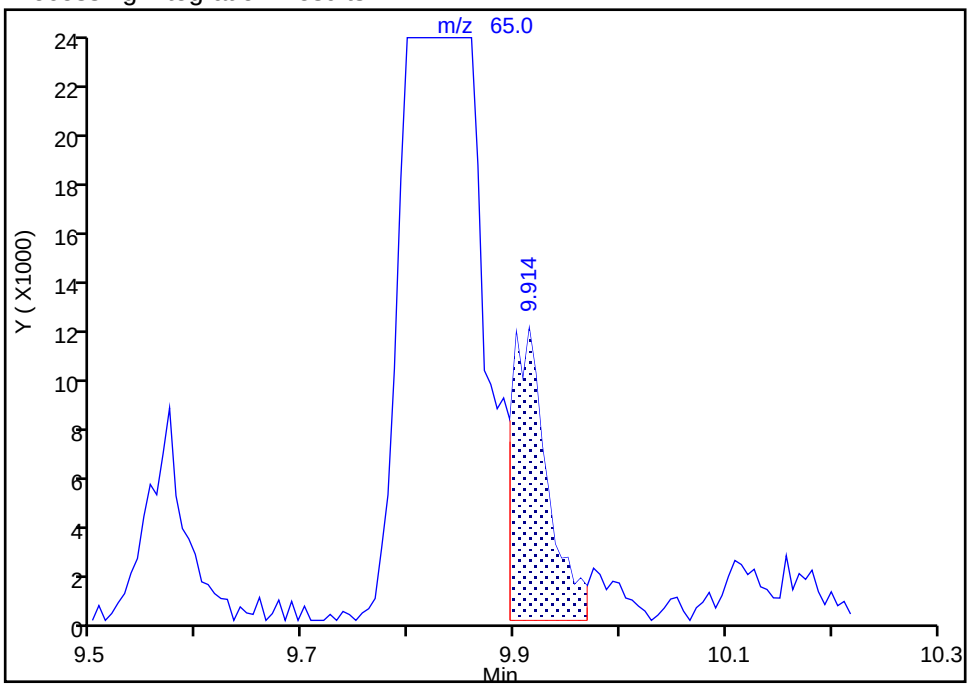
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122027.D				
Injection Date:	23-Nov-2021 01:15:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2 MS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

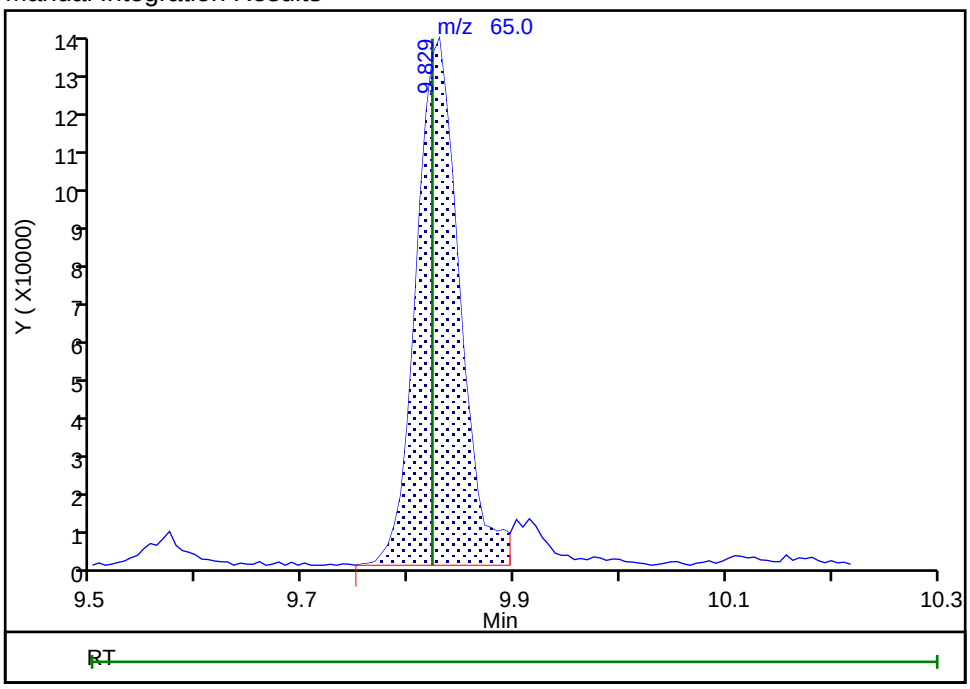
Processing Integration Results

RT: 9.91
Area: 27675
Amount: 2.347956
Amount Units: ng



Manual Integration Results

RT: 9.83
Area: 380037
Amount: 32.242460
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 10:59:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

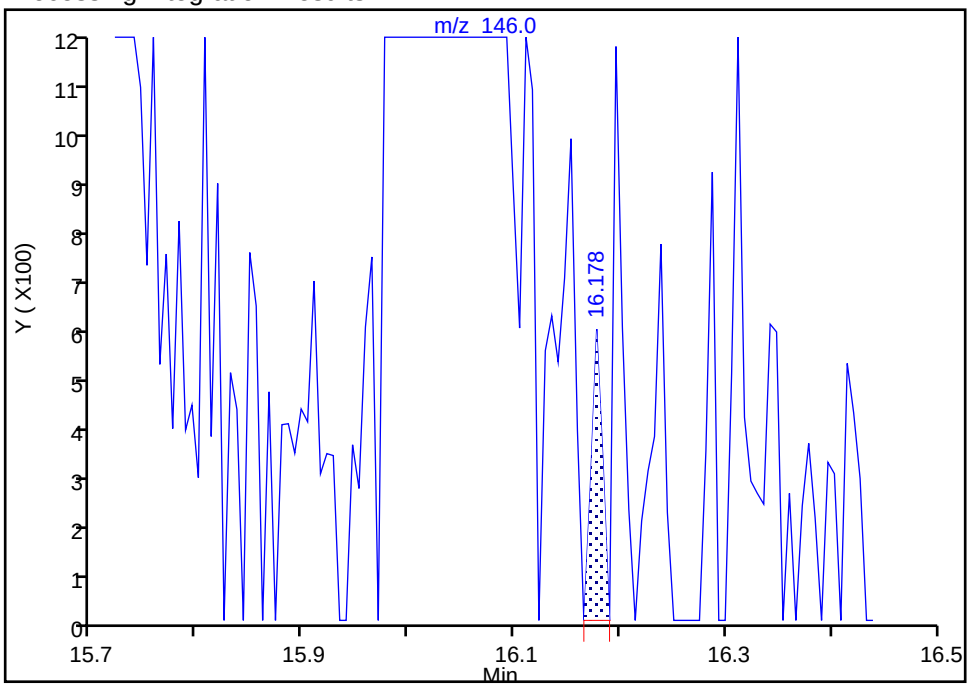
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122027.D
Injection Date: 23-Nov-2021 01:15:30 Instrument ID: CHHP6
Lims ID: 180-130108-F-2 MS
Client ID:
Operator ID: 0034635 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

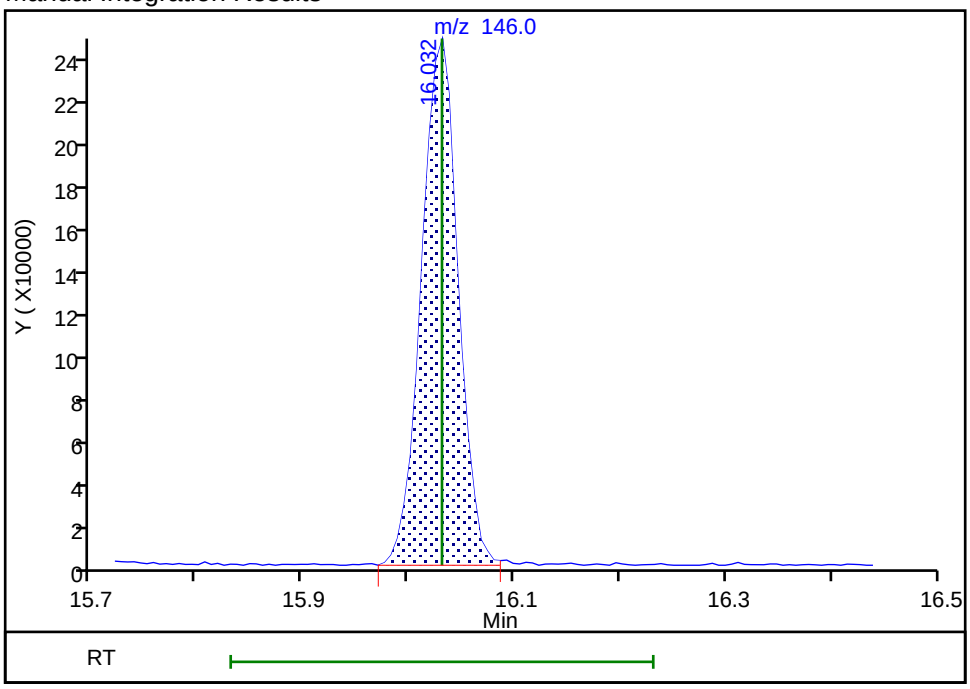
Processing Integration Results

RT: 16.18
Area: 431
Amount: 0.034562
Amount Units: ng



Manual Integration Results

RT: 16.03
Area: 593200
Amount: 47.569508
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 14:25:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

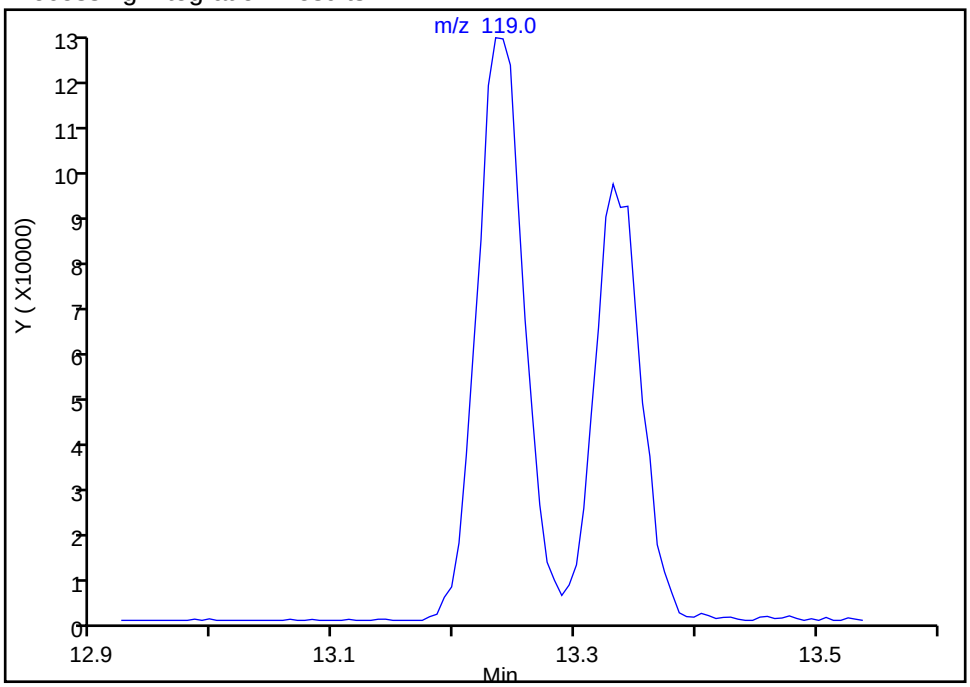
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122027.D				
Injection Date:	23-Nov-2021 01:15:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2 MS				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

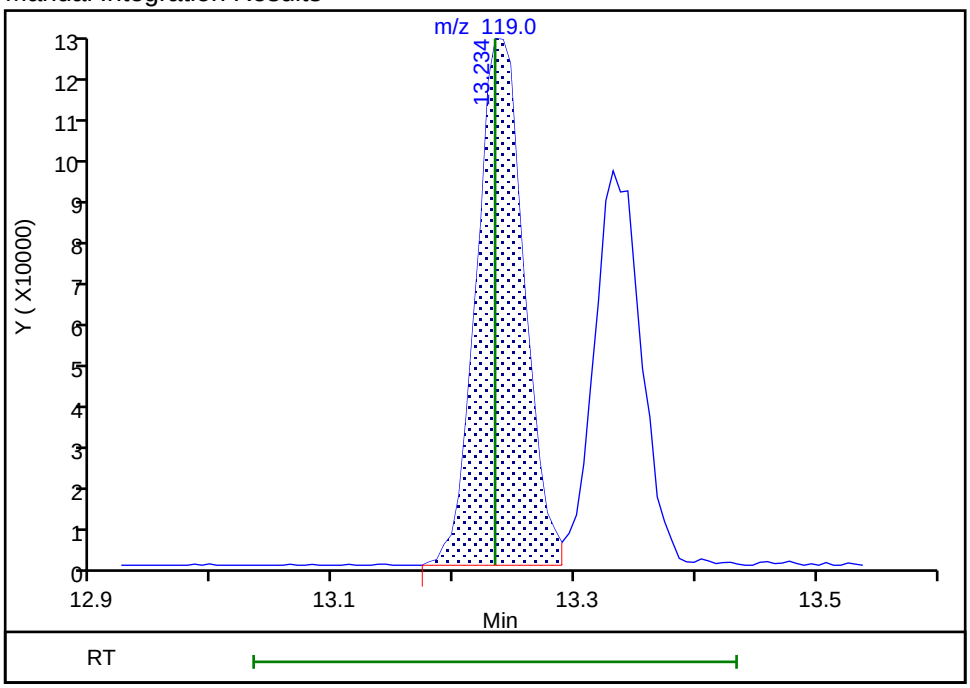
Not Detected
Expected RT: 13.23

Processing Integration Results



Manual Integration Results

RT: 13.23
Area: 347998
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 10:59:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-002 MS Lab Sample ID: 180-130108-3 MS

Matrix: Water Lab File ID: 61124019.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 18:38

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	10.7		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	11.2		1.0	0.71
75-09-2	Methylene Chloride	11.7		1.0	0.89
127-18-4	Tetrachloroethene	12.9		1.0	0.47
108-88-3	Toluene	12.5		1.0	0.46
79-01-6	Trichloroethene	11.8		1.0	0.69
75-01-4	Vinyl chloride	13.1		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		28-163
460-00-4	4-Bromofluorobenzene (Surr)	93		41-122
2037-26-5	Toluene-d8 (Surr)	102		53-125
1868-53-7	Dibromofluoromethane (Surr)	95		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124019.D
Lims ID: 180-130108-D-3 MS
Client ID: WS-11201415-111521-SG-002
Sample Type: MS
Inject. Date: 24-Nov-2021 18:38:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-019
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:49:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.306	7.307	-0.001	41	373188	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.159	10.161	-0.002	68	1622210	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.237	13.245	-0.008	30	326416	50.0	50.0	
* 4 1,4-Dichlorobenzene-d4	152	15.628	15.624	0.004	30	460084	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.453	9.449	0.004	47	324712	50.0	47.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.824	9.826	-0.002	47	360297	50.0	33.7	
$ 7 Toluene-d8 (Surr)	98	11.765	11.767	-0.002	45	1487394	50.0	50.8	
$ 8 4-Bromofluorobenzene (Surr)	95	14.411	14.413	-0.002	37	452603	50.0	46.6	
11 Dichlorodifluoromethane	85	3.400	3.396	0.004	30	639556	50.0	56.9	
12 Chloromethane	50	3.814	3.816	-0.002	31	886473	50.0	66.9	
13 Vinyl chloride	62	4.100	4.101	-0.001	23	725899	50.0	65.7	
14 Butadiene	39	4.185	4.181	0.004	50	854812	50.0	65.5	
15 Bromomethane	94	4.805	4.795	0.010	41	305607	50.0	47.6	
16 Chloroethane	64	5.079	5.087	-0.008	98	470930	50.0	62.6	a
17 Dichlorofluoromethane	67	5.548	5.549	-0.001	41	973283	50.0	55.5	
18 Trichlorofluoromethane	101	5.590	5.598	-0.008	40	758429	50.0	49.9	
20 Ethyl ether	59	6.107	6.103	0.004	45	420685	50.0	52.8	
21 Acrolein	56	6.344	6.340	0.004	39	158232	150.0	115.1	
22 1,1-Dichloroethene	96	6.515	6.517	-0.002	37	489214	50.0	68.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.551	6.547	0.004	36	547312	50.0	65.6	
24 Acetone	43	6.588	6.577	0.011	25	311008	150.0	90.8	
25 Iodomethane	142	6.746	6.754	-0.008	35	676841	50.0	63.9	
26 Carbon disulfide	76	6.868	6.863	0.005	33	1673160	50.0	76.9	
30 Methyl acetate	43	7.062	7.064	-0.002	46	758373	100.0	105.1	
29 3-Chloro-1-propene	76	7.081	7.082	-0.001	25	295773	50.0	65.3	
31 Methylene Chloride	84	7.281	7.271	0.010	42	581867	50.0	58.7	
32 2-Methyl-2-propanol	59	7.421	7.423	-0.002	44	264153	500.0	605.1	
33 Acrylonitrile	53	7.604	7.606	-0.002	44	1159582	500.0	299.4	
35 Methyl tert-butyl ether	73	7.634	7.636	-0.002	47	906331	50.0	46.2	
34 trans-1,2-Dichloroethene	96	7.646	7.642	0.004	39	558024	50.0	60.3	
36 Hexane	57	8.005	8.001	0.004	17	1253102	50.0	88.6	
38 Vinyl acetate	43	8.206	8.202	0.004	40	390355	50.0	32.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.224	8.220	0.004	40	1117721	50.0	63.8	
44 2-Butanone (MEK)	43	8.881	8.877	0.004	47	435554	150.0	98.1	
43 cis-1,2-Dichloroethene	96	8.906	8.907	-0.001	41	551148	50.0	56.1	
42 2,2-Dichloropropane	97	8.918	8.907	0.011	46	109212	50.0	47.1	
48 Chlorobromomethane	128	9.173	9.175	-0.002	39	209020	50.0	47.9	
49 Tetrahydrofuran	42	9.210	9.199	0.011	34	175755	100.0	74.0	
50 Chloroform	83	9.277	9.272	0.005	34	897841	50.0	55.6	
51 1,1,1-Trichloroethane	97	9.477	9.479	-0.002	41	726634	50.0	52.8	
52 Cyclohexane	56	9.569	9.571	-0.001	50	1405197	50.0	82.9	
54 1,1-Dichloropropene	75	9.642	9.644	-0.002	70	737380	50.0	60.8	
53 Carbon tetrachloride	117	9.654	9.650	0.004	27	597827	50.0	54.0	
55 Isobutyl alcohol	41	9.569	9.686	-0.117	92	780216	1250.0	2652.9	
56 Benzene	78	9.867	9.863	0.005	42	2224340	50.0	59.2	
57 1,2-Dichloroethane	62	9.909	9.911	-0.002	31	614808	50.0	44.1	
59 n-Heptane	43	10.110	10.112	-0.002	43	1286229	50.0	128.7	E
61 Trichloroethene	130	10.536	10.532	0.004	44	529365	50.0	59.0	
63 Methylcyclohexane	83	10.785	10.793	-0.008	95	1036488	50.0	74.2	a
64 1,2-Dichloropropane	63	10.804	10.805	-0.001	46	576475	50.0	57.7	
65 1,4-Dioxane	88	10.864	10.854	0.010	35	49238	1000.0	651.4	
67 Dibromomethane	93	10.901	10.903	-0.002	37	189793	50.0	39.8	
68 Dichlorobromomethane	83	11.053	11.055	-0.002	32	513239	50.0	49.2	
71 cis-1,3-Dichloropropene	75	11.479	11.481	-0.002	36	553938	50.0	54.1	
72 4-Methyl-2-pentanone (MIBK)	43	11.595	11.590	0.004	46	1007522	150.0	126.4	
73 Toluene	91	11.832	11.834	-0.002	45	2279742	50.0	62.3	
75 Ethyl methacrylate	69	12.020	12.028	-0.008	45	319704	50.0	49.1	
74 trans-1,3-Dichloropropene	75	12.026	12.028	-0.002	34	478561	50.0	49.4	
76 1,1,2-Trichloroethane	97	12.239	12.241	-0.002	93	315454	50.0	44.5	
77 Tetrachloroethene	164	12.355	12.357	-0.002	43	450076	50.0	64.5	
78 1,3-Dichloropropane	76	12.410	12.411	-0.001	91	566095	50.0	43.4	a
79 2-Hexanone	43	12.410	12.411	-0.001	79	604883	150.0	116.9	a
81 Chlorodibromomethane	129	12.647	12.649	-0.002	35	289662	50.0	48.1	
82 Ethylene Dibromide	107	12.793	12.795	-0.002	34	247666	50.0	38.4	
84 Chlorobenzene	112	13.267	13.269	-0.002	22	1324655	50.0	60.4	
87 Ethylbenzene	106	13.328	13.330	-0.002	43	776591	50.0	63.7	
86 1,1,1,2-Tetrachloroethane	131	13.334	13.336	-0.002	40	409745	50.0	57.7	
88 m-Xylene & p-Xylene	106	13.450	13.452	-0.002	32	954886	50.0	60.3	
89 o-Xylene	106	13.851	13.853	-0.002	34	894226	50.0	72.2	
90 Styrene	104	13.870	13.872	-0.002	60	1325562	50.0	57.5	
91 Bromoform	173	14.101	14.103	-0.002	38	144577	50.0	52.3	
93 Isopropylbenzene	105	14.204	14.212	-0.008	47	2317551	50.0	60.7	
96 1,1,2,2-Tetrachloroethane	83	14.502	14.504	-0.002	34	302793	50.0	39.7	
97 trans-1,4-Dichloro-2-butene	53	14.539	14.535	0.004	72	87339	50.0	45.0	a
98 1,2,3-Trichloropropane	110	14.588	14.583	0.005	31	97130	50.0	32.8	
95 Bromobenzene	156	14.594	14.589	0.005	46	468044	50.0	56.3	
99 N-Propylbenzene	120	14.630	14.626	0.004	33	680555	50.0	72.5	
100 2-Chlorotoluene	126	14.764	14.766	-0.002	42	523240	50.0	64.5	
102 1,3,5-Trimethylbenzene	105	14.794	14.796	-0.002	37	1919286	50.0	64.2	
103 4-Chlorotoluene	126	14.880	14.887	-0.007	39	506992	50.0	61.0	
104 tert-Butylbenzene	119	15.135	15.137	-0.002	41	1853584	50.0	75.0	
106 1,2,4-Trimethylbenzene	105	15.190	15.192	-0.002	38	1875873	50.0	63.8	
108 sec-Butylbenzene	105	15.366	15.368	-0.002	31	2482424	50.0	80.4	
110 4-Isopropyltoluene	119	15.512	15.514	-0.002	32	1992304	50.0	72.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
109 1,3-Dichlorobenzene	146	15.549	15.551	-0.002	98	891703	50.0	59.0	a
111 1,4-Dichlorobenzene	146	15.658	15.654	0.004	92	848856	50.0	55.3	a
116 n-Butylbenzene	91	15.938	15.940	-0.002	41	1653455	50.0	89.5	
117 1,2-Dichlorobenzene	146	16.029	16.031	-0.002	97	709674	50.0	53.6	a
118 1,2-Dibromo-3-Chloropropane	75	16.778	16.786	-0.008	74	28360	50.0	34.0	
122 1,2,4-Trichlorobenzene	180	17.575	17.582	-0.007	31	187151	50.0	55.5	
123 Hexachlorobutadiene	225	17.690	17.692	-0.002	41	232742	50.0	134.1	E
124 Naphthalene	128	17.867	17.874	-0.007	20	231972	50.0	49.6	
125 1,2,3-Trichlorobenzene	180	18.098	18.100	-0.002	47	139344	50.0	79.0	
S 130 1,2-Dichloroethene, Total	96				0		100.0	116.5	
S 131 Xylenes, Total	106				0		100.0	132.5	
S 154 Total BTEX	1				0		250.0	317.6	
S 132 1,3-Dichloropropene, Total	1				0		100.0	103.5	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

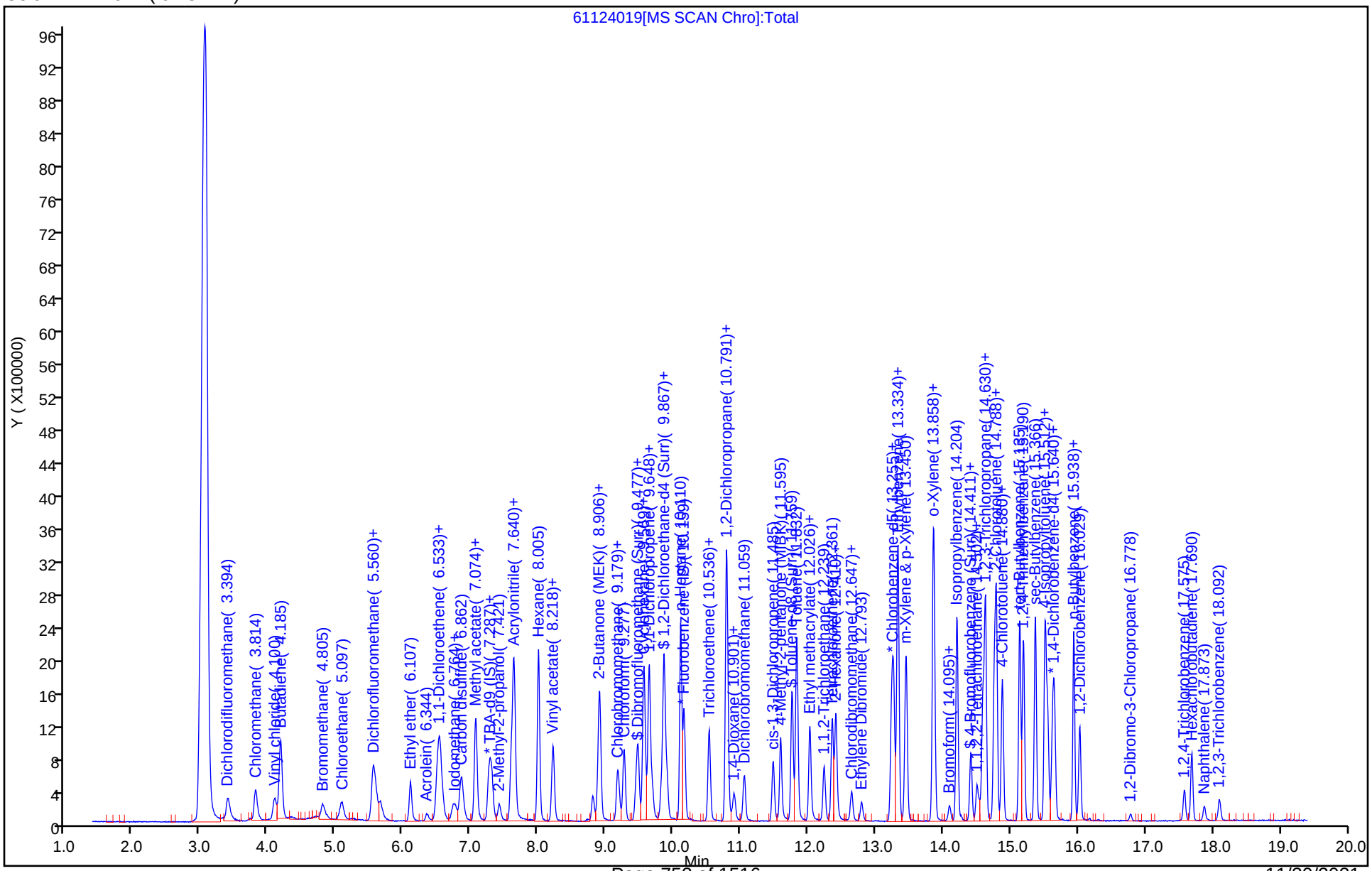
Report Date: 26-Nov-2021 11:21:55 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124019.D

Injection Date:	24-Nov-2021 18:38:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-3 MS			Worklist Smp#:	19
Client ID:	WS-11201415-111521-SG-002				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

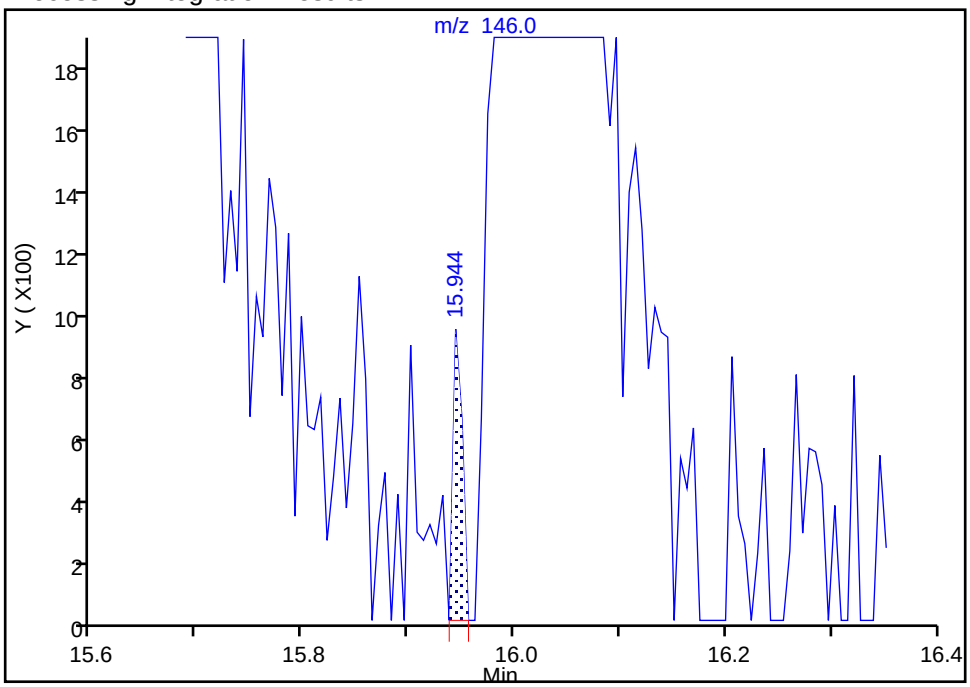
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124019.D				
Injection Date:	24-Nov-2021 18:38:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3 MS				
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

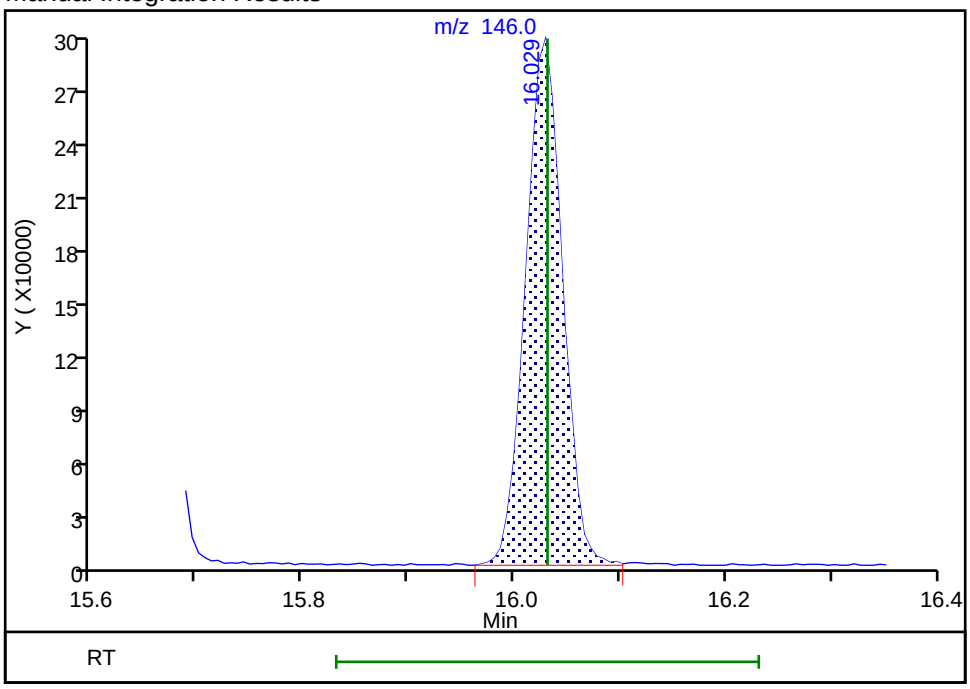
Processing Integration Results

RT: 15.94
Area: 572
Amount: 0.043214
Amount Units: ng



Manual Integration Results

RT: 16.03
Area: 709674
Amount: 53.614626
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:49:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-001 MSD Lab Sample ID: 180-130108-2 MSD

Matrix: Water Lab File ID: 61122028.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 13:30

Sample wt/vol: 5(mL) Date Analyzed: 11/23/2021 01:44

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.: 379688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	10.1		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	15.6		1.0	0.71
75-09-2	Methylene Chloride	10.1		1.0	0.89
127-18-4	Tetrachloroethene	12.9		1.0	0.47
108-88-3	Toluene	11.6		1.0	0.46
79-01-6	Trichloroethene	18.8		1.0	0.69
75-01-4	Vinyl chloride	12.0		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	63		28-163
460-00-4	4-Bromofluorobenzene (Surr)	80		41-122
2037-26-5	Toluene-d8 (Surr)	91		53-125
1868-53-7	Dibromofluoromethane (Surr)	88		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122028.D
Lims ID: 180-130108-F-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Nov-2021 01:44:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040182-028
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 23-Nov-2021 14:26:07 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: journetp Date: 23-Nov-2021 11:00:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.310	7.311	-0.001	47	347509	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.162	10.163	-0.001	68	1728090	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.239	13.234	0.005	88	350815	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.629	15.630	-0.001	30	416708	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.445	9.445	0.000	47	320674	50.0	43.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.822	9.822	0.000	87	359650	50.0	31.6	a
$ 7 Toluene-d8 (Surr)	98	11.762	11.768	-0.006	44	1424356	50.0	45.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.413	14.414	-0.001	37	416757	50.0	39.9	
11 Dichlorodifluoromethane	85	3.400	3.406	-0.006	33	586085	50.0	48.9	
12 Chloromethane	50	3.813	3.814	-0.001	32	874203	50.0	61.9	
13 Vinyl chloride	62	4.099	4.100	-0.001	34	707334	50.0	60.1	
14 Butadiene	39	4.178	4.185	-0.007	50	765361	50.0	54.7	
15 Bromomethane	94	4.823	4.829	-0.006	41	286767	50.0	41.9	
16 Chloroethane	64	5.084	5.103	-0.019	21	447179	50.0	55.8	
17 Dichlorofluoromethane	67	5.546	5.559	-0.013	41	905912	50.0	48.5	
18 Trichlorofluoromethane	101	5.595	5.602	-0.007	98	714770	50.0	44.2	a
20 Ethyl ether	59	6.106	6.107	0.000	45	404000	50.0	47.6	
21 Acrolein	56	6.355	6.356	-0.001	40	249867	150.0	170.6	
22 1,1-Dichloroethene	96	6.519	6.526	-0.007	37	473086	50.0	61.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.544	6.550	-0.006	36	507781	50.0	57.1	
24 Acetone	43	6.586	6.587	-0.001	25	430473	100.0	118.0	
25 Iodomethane	142	6.750	6.775	-0.025	35	630890	50.0	55.9	
26 Carbon disulfide	76	6.866	6.873	-0.007	34	1574959	50.0	68.0	
30 Methyl acetate	43	7.067	7.061	0.006	46	611982	100.0	79.6	
29 3-Chloro-1-propene	76	7.073	7.080	-0.007	25	290512	50.0	60.2	
31 Methylene Chloride	84	7.280	7.298	-0.018	33	541522	50.0	50.7	
32 2-Methyl-2-propanol	59	7.426	7.414	0.012	44	237682	500.0	584.7	
33 Acrylonitrile	53	7.608	7.603	0.005	43	1162359	500.0	281.7	
35 Methyl tert-butyl ether	73	7.632	7.639	-0.007	47	864443	50.0	41.4	
34 trans-1,2-Dichloroethene	96	7.644	7.657	-0.013	40	543947	50.0	55.2	
36 Hexane	57	8.003	8.004	-0.001	17	1154894	50.0	76.6	
38 Vinyl acetate	43	8.204	8.205	-0.001	40	1013531	50.0	78.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.222	8.229	-0.007	41	1114317	50.0	59.7	
44 2-Butanone (MEK)	43	8.879	8.880	-0.001	46	694733	100.0	146.9	
43 cis-1,2-Dichloroethene	96	8.909	8.904	0.005	37	815411	50.0	78.0	
42 2,2-Dichloropropane	97	8.915	8.916	-0.001	46	118707	50.0	48.1	
48 Chlorobromomethane	128	9.177	9.184	-0.007	21	198365	50.0	42.7	
49 Tetrahydrofuran	42	9.201	9.202	-0.001	34	178533	100.0	70.6	
50 Chloroform	83	9.274	9.275	-0.001	34	926712	50.0	53.9	
51 1,1,1-Trichloroethane	97	9.481	9.488	-0.007	40	687657	50.0	46.9	
55 Isobutyl alcohol	41	9.688	9.567	0.121	84	274710	1250.0	876.8	a
52 Cyclohexane	56	9.566	9.573	-0.007	47	1292451	50.0	71.6	
54 1,1-Dichloropropene	75	9.645	9.640	0.005	65	704184	50.0	54.5	
53 Carbon tetrachloride	117	9.651	9.658	-0.007	34	553030	50.0	46.9	
56 Benzene	78	9.864	9.871	-0.007	42	2247292	50.0	56.1	
57 1,2-Dichloroethane	62	9.907	9.913	-0.006	32	606500	50.0	40.9	
59 n-Heptane	43	10.113	10.114	-0.001	43	1190990	50.0	111.9	E
61 Trichloroethene	130	10.533	10.528	0.005	44	897044	50.0	93.9	
63 Methylcyclohexane	83	10.904	10.789	0.115	52	647	50.0	1.44	
64 1,2-Dichloropropane	63	10.807	10.807	0.000	46	560904	50.0	52.7	
65 1,4-Dioxane	88	10.855	10.862	-0.007	34	44754	1000.0	555.8	
67 Dibromomethane	93	10.904	10.905	-0.001	36	186467	50.0	36.7	
68 Dichlorobromomethane	83	11.056	11.051	0.005	31	516091	50.0	46.4	
71 cis-1,3-Dichloropropene	75	11.482	11.482	0.000	37	545419	50.0	50.0	
72 4-Methyl-2-pentanone (MIBK)	43	11.591	11.592	-0.001	46	1550909	100.0	172.6	
73 Toluene	91	11.834	11.835	-0.001	45	2287811	50.0	58.1	
75 Ethyl methacrylate	69	12.029	12.024	0.005	45	311128	50.0	45.2	
74 trans-1,3-Dichloropropene	75	12.029	12.030	-0.001	34	450861	50.0	43.3	
76 1,1,2-Trichloroethane	97	12.236	12.236	0.000	94	302125	50.0	39.7	
77 Tetrachloroethene	164	12.357	12.358	-0.001	44	481986	50.0	64.3	
78 1,3-Dichloropropane	76	12.412	12.413	-0.001	95	535361	50.0	38.2	
79 2-Hexanone	43	12.412	12.413	-0.001	32	964844	100.0	163.9	
81 Chlorodibromomethane	129	12.649	12.644	0.005	35	273487	50.0	42.2	
82 Ethylene Dibromide	107	12.795	12.796	-0.001	34	233154	50.0	33.6	
84 Chlorobenzene	112	13.270	13.270	0.000	22	1273588	50.0	54.0	
87 Ethylbenzene	106	13.331	13.331	-0.001	43	751564	50.0	57.6	
86 1,1,1,2-Tetrachloroethane	131	13.337	13.337	0.000	40	405101	50.0	53.1	
88 m-Xylene & p-Xylene	106	13.452	13.459	-0.007	32	887898	50.0	52.6	
89 o-Xylene	106	13.860	13.860	0.000	33	849829	50.0	63.8	
90 Styrene	104	13.872	13.872	0.000	49	1279030	50.0	52.0	
91 Bromoform	173	14.097	14.097	0.000	38	129351	50.0	43.6	
93 Isopropylbenzene	105	14.206	14.207	-0.001	47	2184695	50.0	53.5	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.505	-0.001	33	280531	50.0	34.2	
97 trans-1,4-Dichloro-2-butene	53	14.437	14.535	-0.098	87	324	50.0	1.34	
98 1,2,3-Trichloropropane	110	14.589	14.584	0.005	30	87560	50.0	32.6	
95 Bromobenzene	156	14.595	14.596	-0.001	46	420519	50.0	55.9	
99 N-Propylbenzene	120	14.626	14.633	-0.007	33	604905	50.0	71.2	
100 2-Chlorotoluene	126	14.760	14.766	-0.006	43	473914	50.0	64.5	
102 1,3,5-Trimethylbenzene	105	14.790	14.791	-0.001	37	1760221	50.0	65.0	
103 4-Chlorotoluene	126	14.881	14.882	-0.001	40	471619	50.0	62.6	
104 tert-Butylbenzene	119	15.137	15.137	0.000	48	1667037	50.0	74.5	
106 1,2,4-Trimethylbenzene	105	15.191	15.192	-0.001	40	1699723	50.0	63.8	
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	2214101	50.0	79.2	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	32	1726680	50.0	69.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
109 1,3-Dichlorobenzene	146	15.550	15.551	-0.001	98	784977	50.0	57.3	a
111 1,4-Dichlorobenzene	146	15.654	15.654	0.000	94	730230	50.0	52.5	a
116 n-Butylbenzene	91	15.939	15.940	-0.001	38	1381158	50.0	82.7	
117 1,2-Dichlorobenzene	146	16.025	16.031	-0.006	96	602633	50.0	50.3	a
118 1,2-Dibromo-3-Chloropropane	75	16.779	16.779	0.000	64	24053	50.0	31.8	
122 1,2,4-Trichlorobenzene	180	17.581	17.582	-0.001	31	141095	50.0	46.2	
123 Hexachlorobutadiene	225	17.691	17.685	0.006	41	168557	50.0	106.6	E
124 Naphthalene	128	17.879	17.874	0.005	20	178789	50.0	44.0	
125 1,2,3-Trichlorobenzene	180	18.092	18.105	-0.013	35	106478	50.0	66.7	
S 130 1,2-Dichloroethene, Total	96				0		100.0	133.2	
S 131 Xylenes, Total	106				0		100.0	116.4	
S 154 Total BTEX	1				0		250.0	288.2	
S 132 1,3-Dichloropropene, Total	1				0		100.0	93.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	2.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00127	Amount Added:	2.00	Units: uL	Run Reagent	

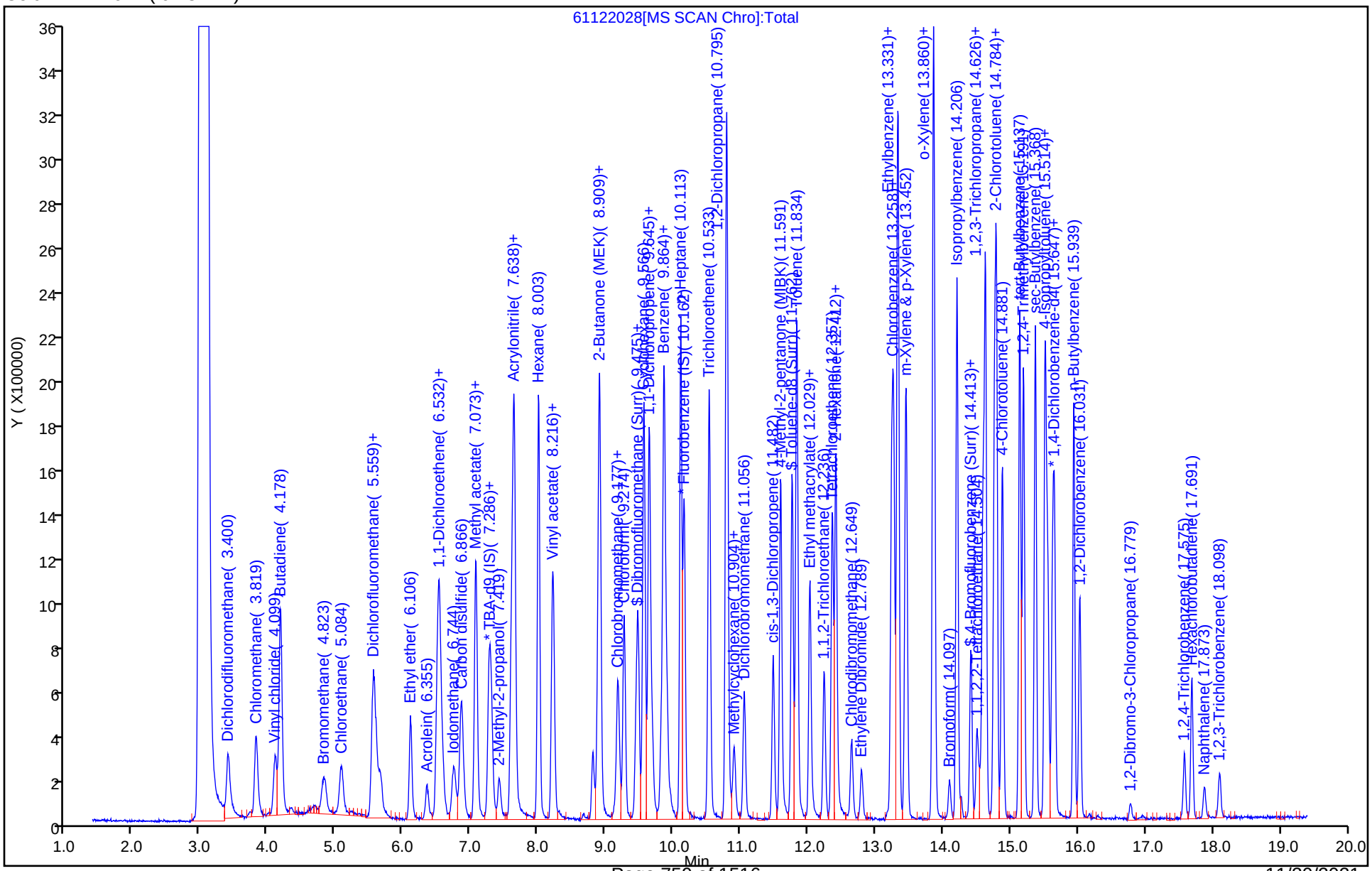
Report Date: 23-Nov-2021 14:26:08 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122028.D

Injection Date:	23-Nov-2021 01:44:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-F-2 MSD			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

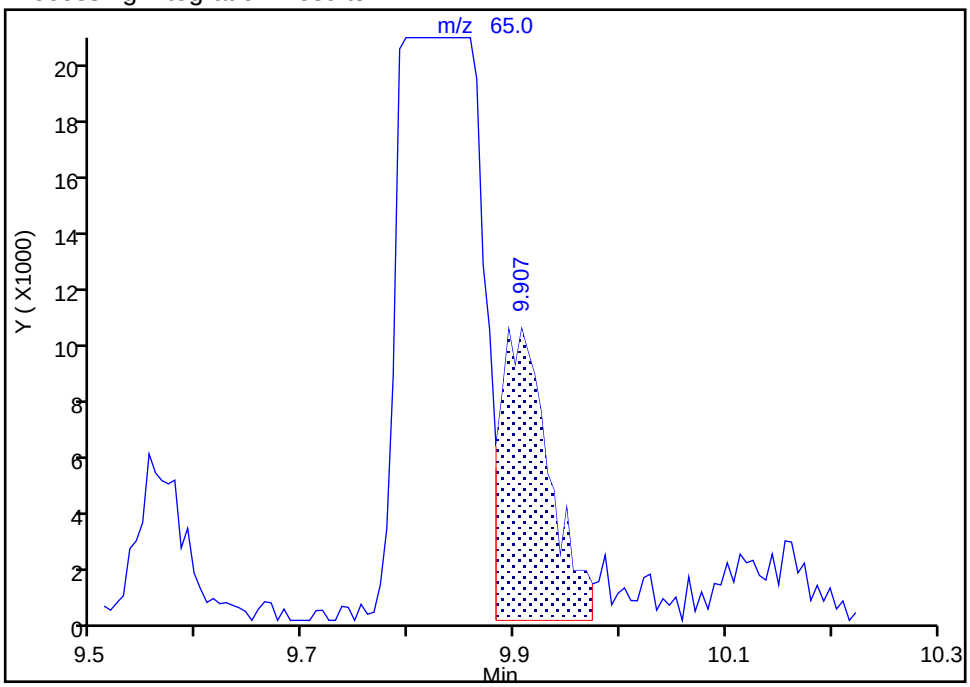
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122028.D				
Injection Date:	23-Nov-2021 01:44:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-F-2 MSD				
Client ID:					
Operator ID:	0034635	ALS Bottle#:	28	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 6 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

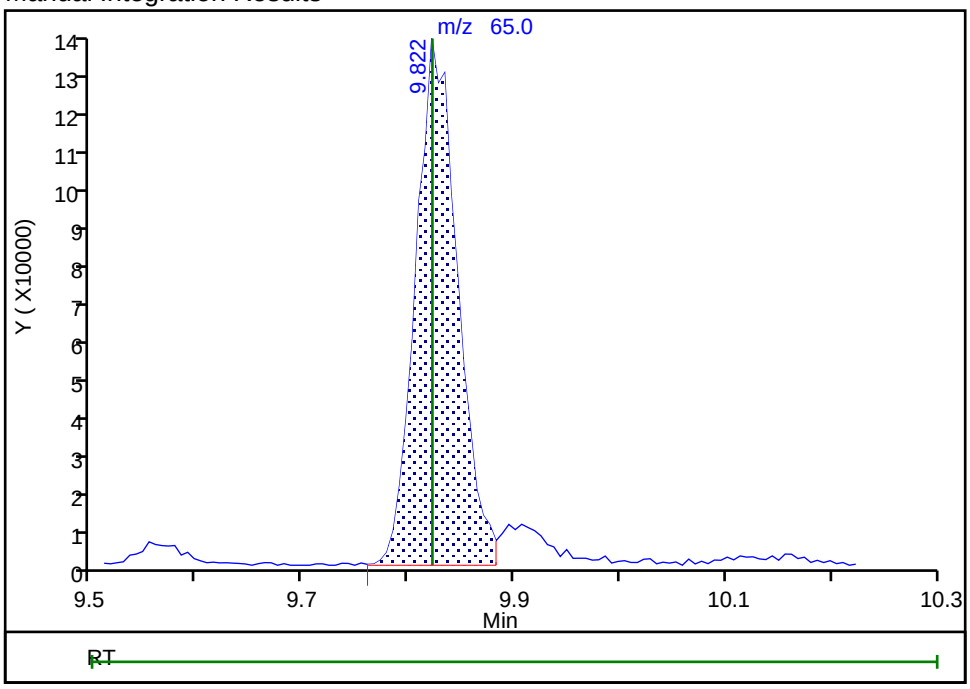
Processing Integration Results

RT: 9.91
Area: 32956
Amount: 2.895503
Amount Units: ng



Manual Integration Results

RT: 9.82
Area: 359650
Amount: 31.598723
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 11:00:07

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

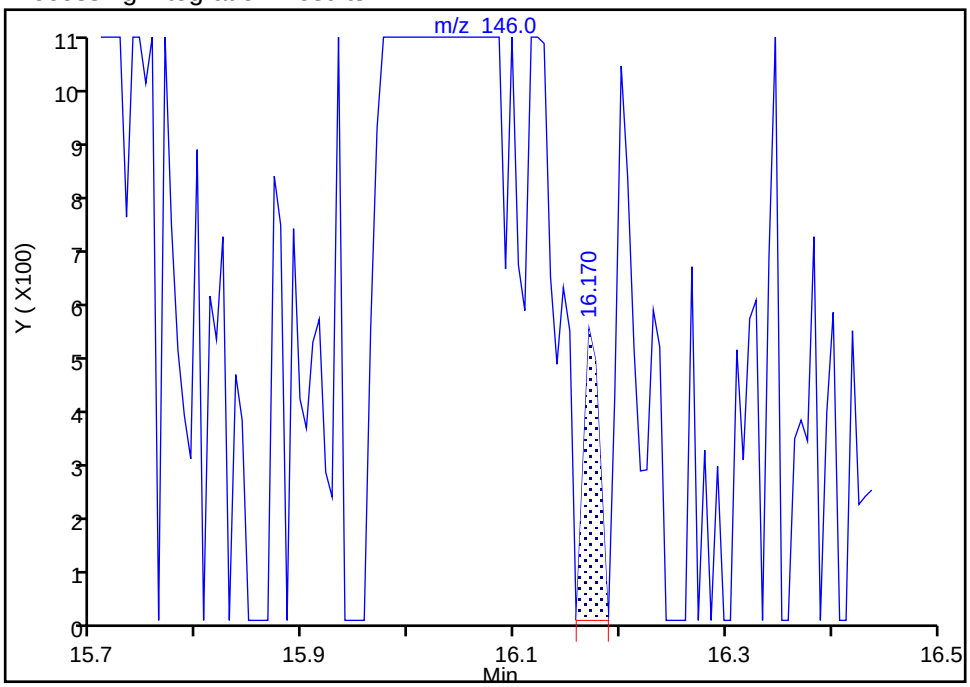
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122028.D
Injection Date: 23-Nov-2021 01:44:30 Instrument ID: CHHP6
Lims ID: 180-130108-F-2 MSD
Client ID:
Operator ID: 0034635 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

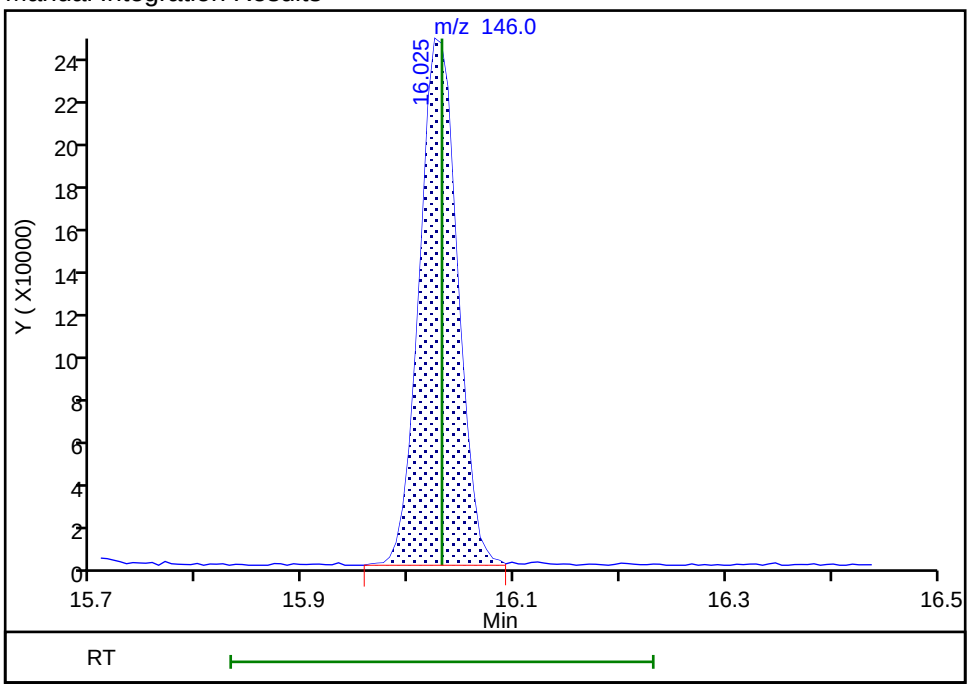
Processing Integration Results

RT: 16.17
Area: 524
Amount: 0.043708
Amount Units: ng



Manual Integration Results

RT: 16.02
Area: 602633
Amount: 50.266956
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 14:25:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

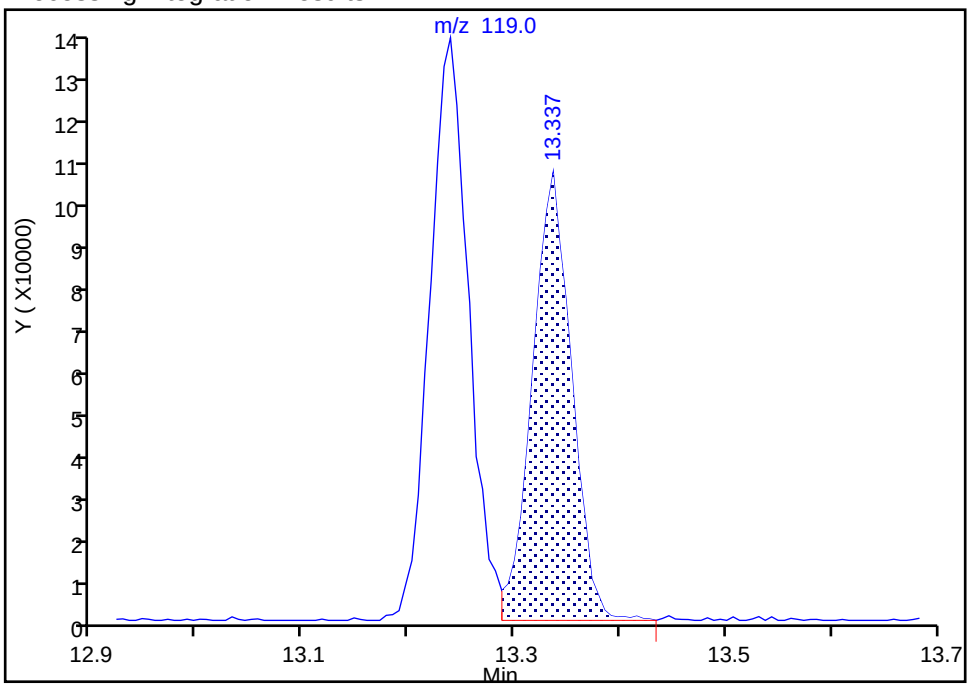
Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211122-40182.b\61122028.D
Injection Date: 23-Nov-2021 01:44:30 Instrument ID: CHHP6
Lims ID: 180-130108-F-2 MSD
Client ID:
Operator ID: 0034635 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVOA_LL_CHHP6 Limit Group: VOA 624.1 ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

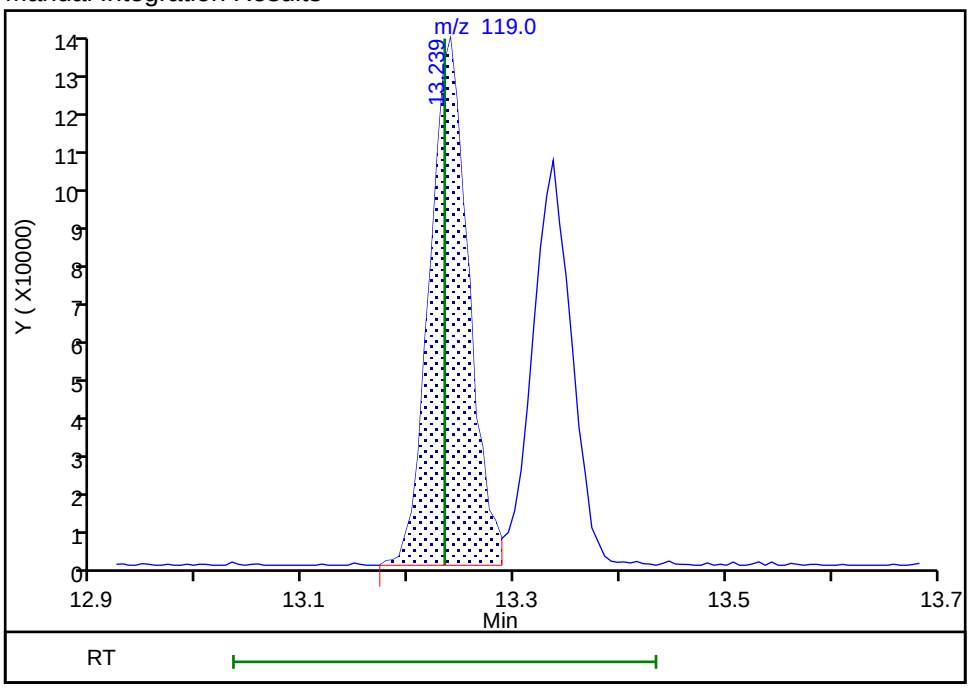
Processing Integration Results

RT: 13.34
Area: 272056
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.24
Area: 350815
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 23-Nov-2021 11:00:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Client Sample ID: WS-11201415-111521-SG-002 MSD Lab Sample ID: 180-130108-3 MSD

Matrix: Water Lab File ID: 61124020.D

Analysis Method: EPA 624.1 Date Collected: 11/15/2021 14:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2021 19:07

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.: 380033 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	10.4		1.0	0.36
156-59-2	cis-1,2-Dichloroethene	10.4		1.0	0.71
75-09-2	Methylene Chloride	10.8		1.0	0.89
127-18-4	Tetrachloroethene	11.7		1.0	0.47
108-88-3	Toluene	11.6		1.0	0.46
79-01-6	Trichloroethene	10.8		1.0	0.69
75-01-4	Vinyl chloride	11.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		28-163
460-00-4	4-Bromofluorobenzene (Surr)	92		41-122
2037-26-5	Toluene-d8 (Surr)	103		53-125
1868-53-7	Dibromofluoromethane (Surr)	95		59-168

Eurofins TestAmerica, Pittsburgh
Target Compound Quantitation Report

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124020.D
Lims ID: 180-130108-D-3 MSD
Client ID: WS-11201415-111521-SG-002
Sample Type: MSD
Inject. Date: 24-Nov-2021 19:07:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 180-0040224-020
Operator ID: 0034635 Instrument ID: CHHP6

Method: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\MSVOA_LL_CHHP6.m
Limit Group: VOA 624.1 ICAL
Last Update: 26-Nov-2021 11:21:28 Calib Date: 05-Nov-2020 18:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Pittsburgh\ChromData\CHHP6\20201105-34463.b\6110525.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1681

First Level Reviewer: journetp Date: 26-Nov-2021 10:50:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
* 1 TBA-d9 (IS)	65	7.307	7.307	0.000	43	387777	1000.0	1000.0	
* 2 Fluorobenzene (IS)	96	10.166	10.161	0.005	68	1643815	50.0	50.0	
* 3 Chlorobenzene-d5	119	13.232	13.245	-0.013	89	323560	50.0	50.0	a
* 4 1,4-Dichlorobenzene-d4	152	15.623	15.624	-0.001	30	415981	50.0	50.0	
$ 5 Dibromofluoromethane (Surr)	113	9.448	9.449	-0.001	47	330735	50.0	47.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	9.826	9.826	0.000	48	393098	50.0	36.3	
$ 7 Toluene-d8 (Surr)	98	11.760	11.767	-0.007	44	1487584	50.0	51.3	
$ 8 4-Bromofluorobenzene (Surr)	95	14.412	14.413	-0.001	41	440807	50.0	45.8	
11 Dichlorodifluoromethane	85	3.407	3.396	0.011	32	564721	50.0	49.6	
12 Chloromethane	50	3.815	3.816	-0.001	31	786654	50.0	58.6	
13 Vinyl chloride	62	4.101	4.101	0.000	22	648526	50.0	57.9	
14 Butadiene	39	4.186	4.181	0.005	50	732268	50.0	55.1	
15 Bromomethane	94	4.831	4.795	0.036	42	267534	50.0	41.1	
16 Chloroethane	64	5.086	5.087	-0.001	21	408336	50.0	53.5	
17 Dichlorofluoromethane	67	5.561	5.549	0.012	42	843388	50.0	47.4	
18 Trichlorofluoromethane	101	5.585	5.598	-0.013	41	682315	50.0	44.3	
20 Ethyl ether	59	6.109	6.103	0.005	45	414172	50.0	51.3	
21 Acrolein	56	6.352	6.340	0.012	39	171542	150.0	123.1	
22 1,1-Dichloroethene	96	6.510	6.517	-0.007	37	445338	50.0	61.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.547	6.547	0.000	37	482609	50.0	57.1	
24 Acetone	43	6.589	6.577	0.012	25	311592	150.0	89.8	
25 Iodomethane	142	6.747	6.754	-0.007	36	624702	50.0	58.2	
26 Carbon disulfide	76	6.863	6.863	0.000	38	1445965	50.0	65.6	
30 Methyl acetate	43	7.070	7.064	0.006	46	739104	100.0	101.1	
29 3-Chloro-1-propene	76	7.076	7.082	-0.006	25	282787	50.0	61.6	
31 Methylene Chloride	84	7.270	7.271	-0.001	43	544121	50.0	53.8	
32 2-Methyl-2-propanol	59	7.429	7.423	0.006	43	253351	500.0	558.6	
33 Acrylonitrile	53	7.605	7.606	-0.001	44	1192495	500.0	303.8	
35 Methyl tert-butyl ether	73	7.635	7.636	-0.001	48	922704	50.0	46.4	
34 trans-1,2-Dichloroethene	96	7.654	7.642	0.012	39	509605	50.0	54.4	
36 Hexane	57	8.007	8.001	0.006	17	1147698	50.0	80.1	
38 Vinyl acetate	43	8.207	8.202	0.005	40	350570	50.0	28.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
37 1,1-Dichloroethane	63	8.226	8.220	0.006	40	1014737	50.0	57.2	
44 2-Butanone (MEK)	43	8.883	8.877	0.006	46	455514	150.0	101.3	
43 cis-1,2-Dichloroethene	96	8.907	8.907	0.000	44	518829	50.0	52.2	
42 2,2-Dichloropropane	97	8.913	8.907	0.006	46	107198	50.0	45.6	
48 Chlorobromomethane	128	9.175	9.175	0.000	25	204451	50.0	46.2	
49 Tetrahydrofuran	42	9.205	9.199	0.006	34	189883	100.0	78.9	
50 Chloroform	83	9.272	9.272	0.000	34	840402	50.0	51.4	
51 1,1,1-Trichloroethane	97	9.485	9.479	0.006	40	652543	50.0	46.8	
52 Cyclohexane	56	9.564	9.571	-0.006	30	1221432	50.0	71.1	
54 1,1-Dichloropropene	75	9.643	9.644	-0.001	70	659297	50.0	53.6	
53 Carbon tetrachloride	117	9.649	9.650	-0.001	27	530278	50.0	47.3	
55 Isobutyl alcohol	41	9.686	9.686	0.000	90	278570	1250.0	934.7	a
56 Benzene	78	9.868	9.863	0.006	41	2048864	50.0	53.8	
57 1,2-Dichloroethane	62	9.911	9.911	0.000	31	603531	50.0	42.7	
59 n-Heptane	43	10.111	10.112	-0.001	43	1174854	50.0	116.0	E
61 Trichloroethene	130	10.531	10.532	-0.001	44	489079	50.0	53.8	
63 Methylcyclohexane	83	10.793	10.793	0.000	98	950008	50.0	67.3	a
64 1,2-Dichloropropane	63	10.811	10.805	0.006	45	534757	50.0	52.8	
65 1,4-Dioxane	88	10.854	10.854	0.000	33	50615	1000.0	660.8	
67 Dibromomethane	93	10.902	10.903	-0.001	37	184632	50.0	38.2	
68 Dichlorobromomethane	83	11.054	11.055	-0.001	31	486130	50.0	46.0	
71 cis-1,3-Dichloropropene	75	11.486	11.481	0.005	36	526955	50.0	50.8	
72 4-Methyl-2-pentanone (MIBK)	43	11.596	11.590	0.006	46	1100506	150.0	137.3	
73 Toluene	91	11.833	11.834	-0.001	45	2110271	50.0	58.1	
75 Ethyl methacrylate	69	12.022	12.028	-0.006	49	318087	50.0	49.2	
74 trans-1,3-Dichloropropene	75	12.028	12.028	0.000	36	459446	50.0	47.8	
76 1,1,2-Trichloroethane	97	12.241	12.241	0.000	94	301106	50.0	42.9	
77 Tetrachloroethene	164	12.362	12.357	0.005	45	405383	50.0	58.6	
78 1,3-Dichloropropane	76	12.417	12.411	0.006	95	553358	50.0	42.8	
79 2-Hexanone	43	12.411	12.411	0.000	33	666292	150.0	127.7	
81 Chlorodibromomethane	129	12.642	12.649	-0.007	35	273808	50.0	45.8	
82 Ethylene Dibromide	107	12.794	12.795	-0.001	34	247540	50.0	38.7	
84 Chlorobenzene	112	13.269	13.269	0.000	22	1233501	50.0	56.7	
87 Ethylbenzene	106	13.336	13.330	0.006	43	700503	50.0	58.2	
86 1,1,1,2-Tetrachloroethane	131	13.330	13.336	-0.006	40	380905	50.0	54.1	
88 m-Xylene & p-Xylene	106	13.451	13.452	-0.001	32	868019	50.0	55.5	
89 o-Xylene	106	13.853	13.853	0.000	33	812450	50.0	66.2	
90 Styrene	104	13.871	13.872	-0.001	49	1201964	50.0	52.9	
91 Bromoform	173	14.102	14.103	-0.001	96	137535	50.0	50.2	a
93 Isopropylbenzene	105	14.206	14.212	-0.006	48	2071312	50.0	55.0	
96 1,1,2,2-Tetrachloroethane	83	14.504	14.504	0.000	34	292659	50.0	38.7	
97 trans-1,4-Dichloro-2-butene	53	14.540	14.535	0.005	63	91845	50.0	52.1	a
98 1,2,3-Trichloropropane	110	14.589	14.583	0.006	32	94754	50.0	35.4	
95 Bromobenzene	156	14.595	14.589	0.006	46	427596	50.0	56.9	
99 N-Propylbenzene	120	14.631	14.626	0.005	33	583023	50.0	68.9	
100 2-Chlorotoluene	126	14.765	14.766	-0.001	42	456483	50.0	62.2	
102 1,3,5-Trimethylbenzene	105	14.790	14.796	-0.006	37	1694212	50.0	62.7	
103 4-Chlorotoluene	126	14.881	14.887	-0.006	39	444007	50.0	59.0	
104 tert-Butylbenzene	119	15.136	15.137	-0.001	41	1626207	50.0	72.9	
106 1,2,4-Trimethylbenzene	105	15.191	15.192	-0.001	38	1631454	50.0	61.5	
108 sec-Butylbenzene	105	15.368	15.368	0.000	31	2159737	50.0	77.5	
110 4-Isopropyltoluene	119	15.514	15.514	0.000	32	1727386	50.0	69.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng	OnCol Amt ng	Flags
109 1,3-Dichlorobenzene	146	15.550	15.551	-0.001	98	798000	50.0	58.4	a
111 1,4-Dichlorobenzene	146	15.653	15.654	-0.001	94	764901	50.0	55.1	a
116 n-Butylbenzene	91	15.939	15.940	-0.001	38	1361520	50.0	81.7	
117 1,2-Dichlorobenzene	146	16.031	16.031	0.000	97	624473	50.0	52.2	a
118 1,2-Dibromo-3-Chloropropane	75	16.785	16.786	-0.001	70	30073	50.0	39.9	
122 1,2,4-Trichlorobenzene	180	17.576	17.582	-0.006	30	159743	50.0	52.4	
123 Hexachlorobutadiene	225	17.685	17.692	-0.007	42	190854	50.0	121.3	E
124 Naphthalene	128	17.874	17.874	0.000	20	221253	50.0	51.6	
125 1,2,3-Trichlorobenzene	180	18.099	18.100	-0.001	35	118885	50.0	74.6	
S 130 1,2-Dichloroethene, Total	96				0		100.0	106.5	
S 131 Xylenes, Total	106				0		100.0	121.7	
S 154 Total BTEX	1				0		250.0	291.8	
S 132 1,3-Dichloropropene, Total	1				0		100.0	98.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

VOA8260VOAPRI_00490	Amount Added:	2.00	Units: uL		
VOAVAPRI_00051	Amount Added:	2.00	Units: uL		
VOAKETONE2ND_00016	Amount Added:	4.00	Units: uL		
VOACEVEPRI_00102	Amount Added:	2.00	Units: uL		
VOAACRPRI_00042	Amount Added:	6.00	Units: uL		
VOA8260INT_00130	Amount Added:	2.00	Units: uL	Run Reagent	
VOA8260SURR_00128	Amount Added:	2.00	Units: uL	Run Reagent	

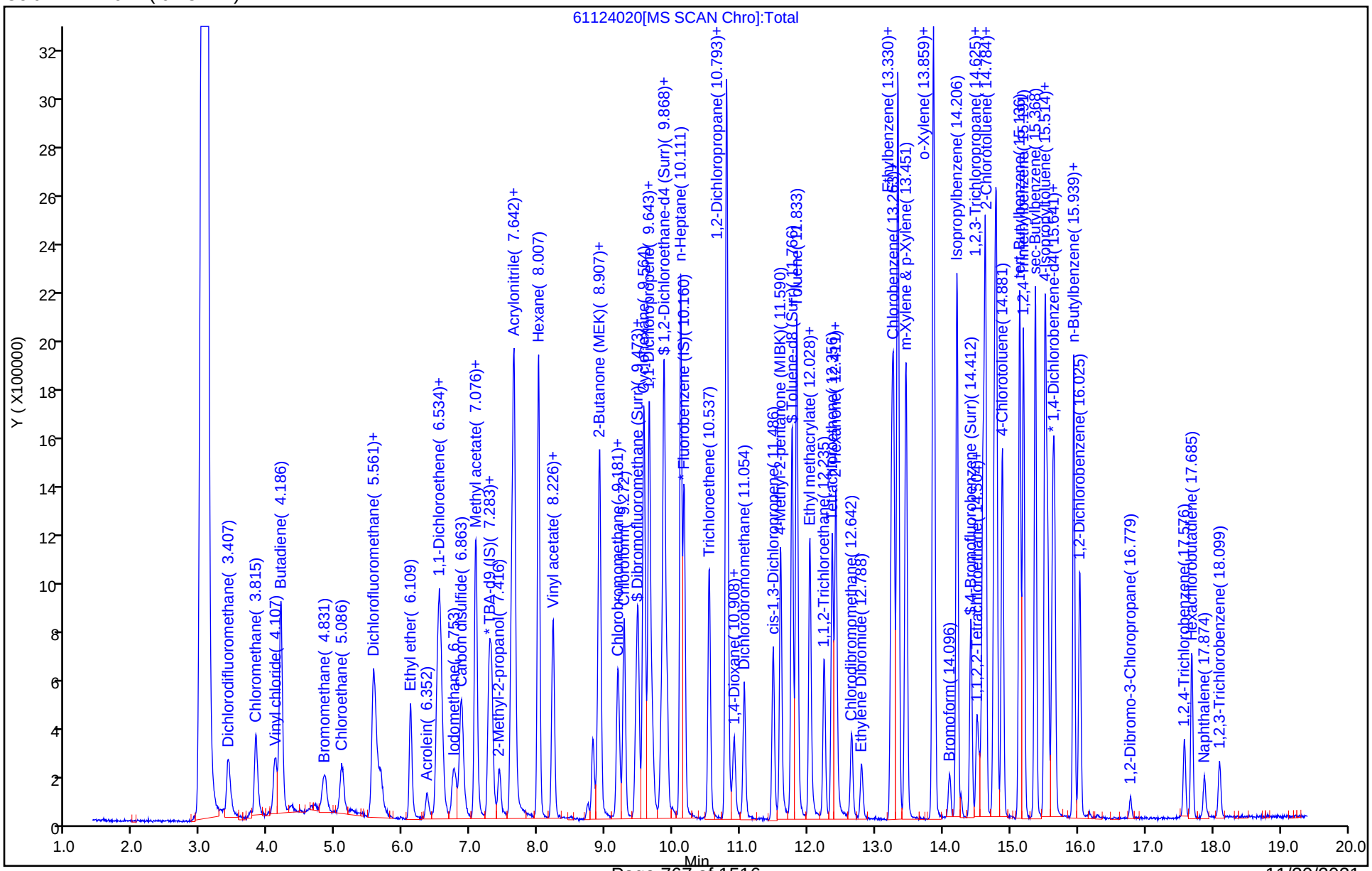
Report Date: 26-Nov-2021 11:21:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Pittsburgh

Data File: \\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124020.D

Injection Date:	24-Nov-2021 19:07:30	Instrument ID:	CHHP6	Operator ID:	0034635
Lims ID:	180-130108-D-3 MSD			Worklist Smp#:	20
Client ID:	WS-11201415-111521-SG-002				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

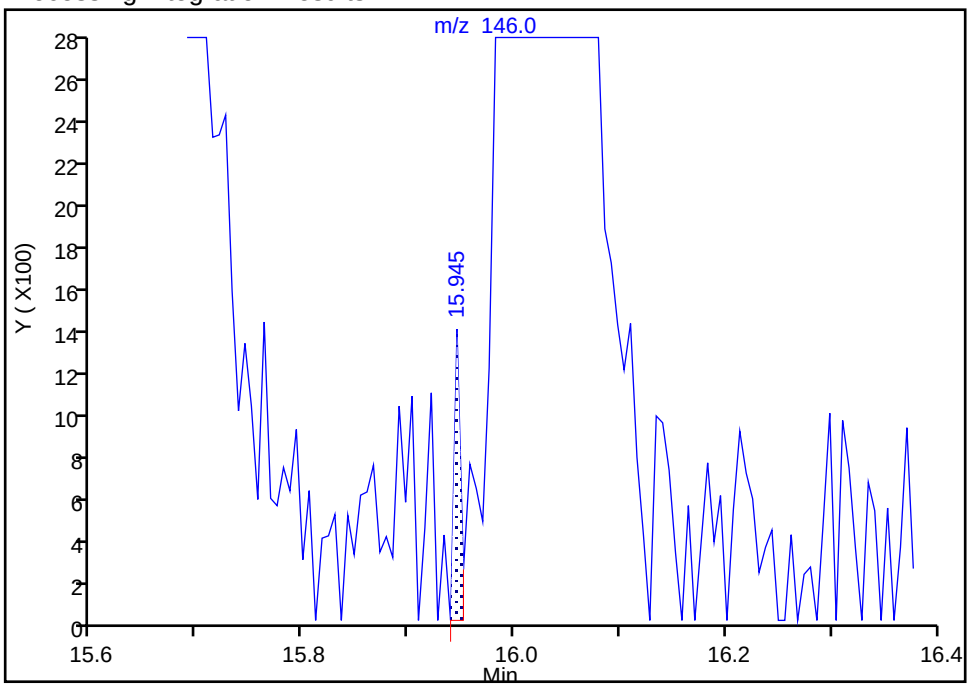
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124020.D				
Injection Date:	24-Nov-2021 19:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3 MSD				
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

117 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

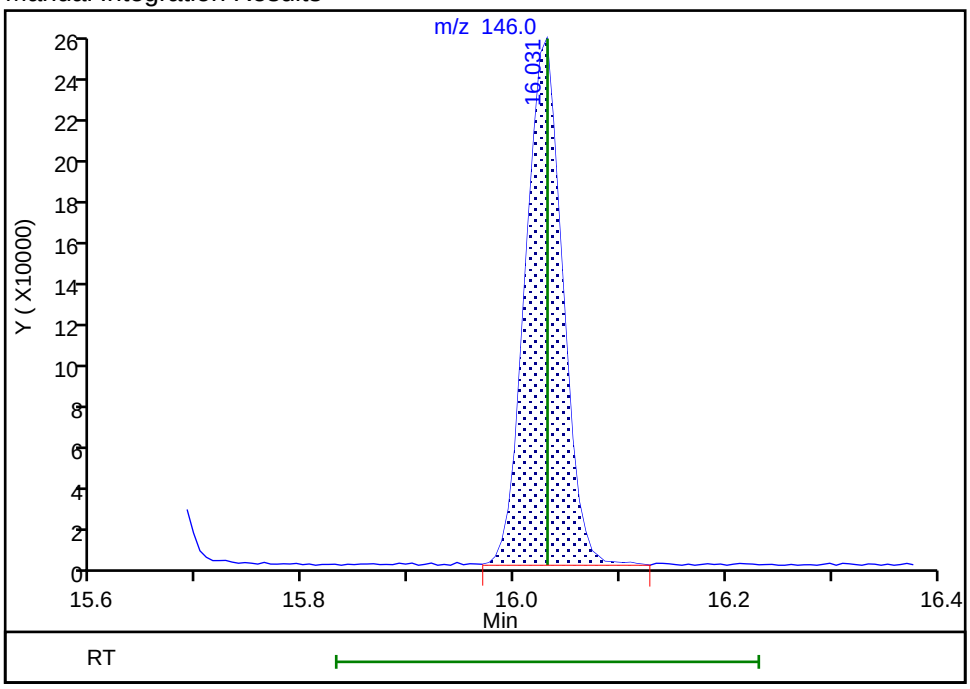
Processing Integration Results

RT: 15.95
Area: 584
Amount: 0.048798
Amount Units: ng



Manual Integration Results

RT: 16.03
Area: 624473
Amount: 52.179713
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:49:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Pittsburgh

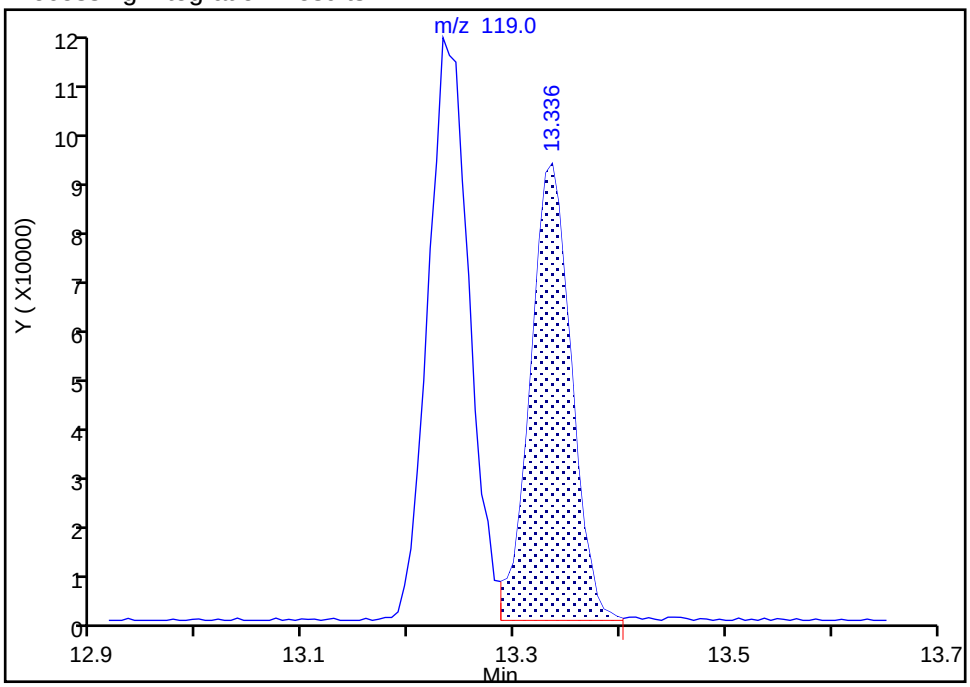
Data File:	\\chromfs\Pittsburgh\ChromData\CHHP6\20211124-40224.b\61124020.D				
Injection Date:	24-Nov-2021 19:07:30	Instrument ID:	CHHP6		
Lims ID:	180-130108-D-3 MSD				
Client ID:	WS-11201415-111521-SG-002				
Operator ID:	0034635	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVOA_LL_CHHP6	Limit Group:	VOA 624.1 ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 3 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

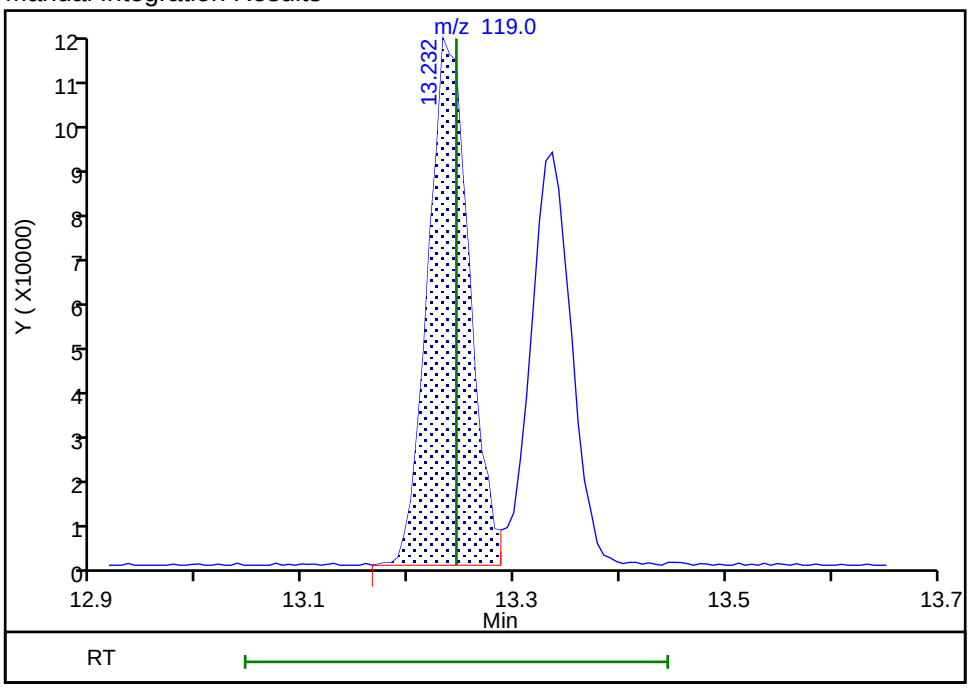
Processing Integration Results

RT: 13.34
Area: 251650
Amount: 50.000000
Amount Units: ng



Manual Integration Results

RT: 13.23
Area: 323560
Amount: 50.000000
Amount Units: ng



Reviewer: journetp, 26-Nov-2021 10:50:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/05/2020 08:58

Analysis Batch Number: 335966 End Date: 11/05/2020 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-335966/1		11/05/2020 08:58	1	6110501.D	DB-624 0.18(mm)
IC 180-335966/9		11/05/2020 10:26	1	6110509.D	DB-624 0.18(mm)
ICIS 180-335966/10		11/05/2020 10:53	1	6110510.D	DB-624 0.18(mm)
IC 180-335966/11		11/05/2020 11:20	1	6110511.D	DB-624 0.18(mm)
IC 180-335966/12		11/05/2020 11:48	1	6110512.D	DB-624 0.18(mm)
IC 180-335966/13		11/05/2020 12:15	1	6110513.D	DB-624 0.18(mm)
IC 180-335966/14		11/05/2020 12:42	1	6110514.D	DB-624 0.18(mm)
IC 180-335966/15		11/05/2020 13:09	1	6110515.D	DB-624 0.18(mm)
IC 180-335966/25		11/05/2020 18:41	1	6110525.D	DB-624 0.18(mm)
ZZZZZ		11/05/2020 19:08	1		DB-624 0.18(mm)
ICV 180-335966/29		11/05/2020 20:31	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/05/2020 08:58

Analysis Batch Number: 335968 End Date: 11/05/2020 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-335968/1		11/05/2020 08:58	1	6110501.D	DB-624 0.18(mm)
IC 180-335968/9		11/05/2020 10:26	1	6110509.D	DB-624 0.18(mm)
ICIS 180-335968/10		11/05/2020 10:53	1	6110510.D	DB-624 0.18(mm)
IC 180-335968/11		11/05/2020 11:20	1	6110511.D	DB-624 0.18(mm)
IC 180-335968/12		11/05/2020 11:48	1	6110512.D	DB-624 0.18(mm)
IC 180-335968/13		11/05/2020 12:15	1	6110513.D	DB-624 0.18(mm)
IC 180-335968/14		11/05/2020 12:42	1	6110514.D	DB-624 0.18(mm)
IC 180-335968/15		11/05/2020 13:09	1	6110515.D	DB-624 0.18(mm)
IC 180-335968/25		11/05/2020 18:41	1	6110525.D	DB-624 0.18(mm)
ZZZZZ		11/05/2020 19:08	1		DB-624 0.18(mm)
ICV 180-335968/29		11/05/2020 20:31	1	6110529.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/22/2021 12:07

Analysis Batch Number: 379688 End Date: 11/23/2021 01:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-379688/1		11/22/2021 12:07	1	611220A1.D	DB-624 0.18(mm)
CCVIS 180-379688/2		11/22/2021 12:50	1	61122002.D	DB-624 0.18(mm)
LCS 180-379688/3		11/22/2021 13:18	1	61122003.D	DB-624 0.18(mm)
ZZZZZ		11/22/2021 13:46	1		DB-624 0.18(mm)
ZZZZZ		11/22/2021 14:16	1		DB-624 0.18(mm)
MB 180-379688/6		11/22/2021 14:44	1	61122006.D	DB-624 0.18(mm)
ZZZZZ		11/23/2021 00:15	1		DB-624 0.18(mm)
180-130108-2	WS-11201415-111521-SG-001	11/23/2021 00:45	1	61122026.D	DB-624 0.18(mm)
180-130108-2 MS	WS-11201415-111521-SG-001 MS	11/23/2021 01:15	1	61122027.D	DB-624 0.18(mm)
180-130108-2 MSD	WS-11201415-111521-SG-001 MSD	11/23/2021 01:44	1	61122028.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/24/2021 08:43

Analysis Batch Number: 380033 End Date: 11/24/2021 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-380033/1		11/24/2021 08:43	1	61124001.D	DB-624 0.18(mm)
CCVIS 180-380033/2		11/24/2021 09:32	1	61124002.D	DB-624 0.18(mm)
LCS 180-380033/3		11/24/2021 10:03	1	61124003.D	DB-624 0.18(mm)
ZZZZZ		11/24/2021 11:01	1		DB-624 0.18(mm)
MB 180-380033/8		11/24/2021 13:13	1	61124008.D	DB-624 0.18(mm)
ZZZZZ		11/24/2021 13:40	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 15:10	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 15:39	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 16:09	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 16:39	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 17:08	1		DB-624 0.18(mm)
ZZZZZ		11/24/2021 17:38	1		DB-624 0.18(mm)
180-130108-3	WS-11201415-111521-SG-002	11/24/2021 18:08	1	61124018.D	DB-624 0.18(mm)
180-130108-3 MS	WS-11201415-111521-SG-002 MS	11/24/2021 18:38	1	61124019.D	DB-624 0.18(mm)
180-130108-3 MSD	WS-11201415-111521-SG-002 MSD	11/24/2021 19:07	1	61124020.D	DB-624 0.18(mm)
180-130108-4	WS-11201415-111521-SG-003	11/24/2021 19:37	1	61124021.D	DB-624 0.18(mm)
180-130108-5	WS-11201415-111521-SG-004	11/24/2021 20:07	1	61124022.D	DB-624 0.18(mm)
ZZZZZ		11/24/2021 20:36	1		DB-624 0.18(mm)
180-130108-7	WS-11201415-111521-SG-006	11/24/2021 21:06	1	61124024.D	DB-624 0.18(mm)
180-130108-8	WS-11201415-111521-SG-007	11/24/2021 21:36	1	61124025.D	DB-624 0.18(mm)
180-130108-9	WS-11201415-111521-SG-008	11/24/2021 22:05	1	61124026.D	DB-624 0.18(mm)
180-130108-10	WS-11201415-111521-SG-009	11/24/2021 22:35	1	61124027.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/26/2021 12:27

Analysis Batch Number: 380188 End Date: 11/26/2021 23:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-380188/1		11/26/2021 12:27	1	61126001.D	DB-624 0.18(mm)
CCVIS 180-380188/2		11/26/2021 13:07	1	61126002.D	DB-624 0.18(mm)
LCS 180-380188/3		11/26/2021 13:36	1	61126003.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 14:05	1		DB-624 0.18(mm)
MB 180-380188/5		11/26/2021 14:33	1	61126005.D	DB-624 0.18(mm)
180-130108-1	TB-11201415-111521-SG	11/26/2021 15:02	1	61126006.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 15:31	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 16:01	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 16:31	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 17:01	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 17:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 18:00	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 18:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:00	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:30	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 19:59	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 20:29	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 20:59	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 21:29	1		DB-624 0.18(mm)
ZZZZZ		11/26/2021 21:58	1		DB-624 0.18(mm)
180-130108-11	WS-11201415-111621-SG-010	11/26/2021 22:28	1	61126021.D	DB-624 0.18(mm)
180-130108-12	WS-11201415-111621-SG-011	11/26/2021 22:58	1	61126022.D	DB-624 0.18(mm)
ZZZZZ		11/26/2021 23:27	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: CHHP6 Start Date: 11/27/2021 14:36

Analysis Batch Number: 380301 End Date: 11/28/2021 03:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-380301/3		11/27/2021 14:36	1	61127003.D	DB-624 0.18(mm)
CCVIS 180-380301/4		11/27/2021 15:04	1	61127004.D	DB-624 0.18(mm)
LCS 180-380301/1004		11/27/2021 15:04	1	61127004-LCS.d	DB-624 0.18(mm)
ZZZZZ		11/27/2021 15:32	1		DB-624 0.18(mm)
MB 180-380301/7		11/27/2021 16:28	1	61127007.D	DB-624 0.18(mm)
ZZZZZ		11/27/2021 16:57	75		DB-624 0.18(mm)
ZZZZZ		11/27/2021 17:27	75		DB-624 0.18(mm)
ZZZZZ		11/27/2021 18:57	500		DB-624 0.18(mm)
ZZZZZ		11/27/2021 19:26	500		DB-624 0.18(mm)
ZZZZZ		11/27/2021 19:56	750		DB-624 0.18(mm)
ZZZZZ		11/27/2021 20:26	750		DB-624 0.18(mm)
ZZZZZ		11/27/2021 20:56	500		DB-624 0.18(mm)
ZZZZZ		11/27/2021 21:25	500		DB-624 0.18(mm)
ZZZZZ		11/27/2021 21:55	1000		DB-624 0.18(mm)
ZZZZZ		11/27/2021 22:25	1000		DB-624 0.18(mm)
ZZZZZ		11/27/2021 22:55	75		DB-624 0.18(mm)
ZZZZZ		11/27/2021 23:24	75		DB-624 0.18(mm)
180-130108-6	WS-11201415-111521-SG-005	11/27/2021 23:54	1	61127022.D	DB-624 0.18(mm)
180-130108-5 DL	WS-11201415-111521-SG-004 DL	11/28/2021 00:24	10	61127023.D	DB-624 0.18(mm)
180-130108-9 DL	WS-11201415-111521-SG-008 DL	11/28/2021 00:53	10	61127024.D	DB-624 0.18(mm)
ZZZZZ		11/28/2021 01:24	1		DB-624 0.18(mm)
ZZZZZ		11/28/2021 01:53	1		DB-624 0.18(mm)
ZZZZZ		11/28/2021 02:23	1		DB-624 0.18(mm)
ZZZZZ		11/28/2021 02:53	1		DB-624 0.18(mm)
ZZZZZ		11/28/2021 03:22	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 335968 Batch Start Date: 11/05/20 08:58 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VOA8260INT 00112	VOA8260SURR 00112	VOA8260VOA2ND 00427	VOA8260VOAPRi 00429
BFB 180-335968/1		EPA 624.1		5 mL	5 mL				
IC 180-335968/9		EPA 624.1		5 mL	5 mL	2 uL	1 uL		1 uL
ICIS 180-335968/10		EPA 624.1		5 mL	5 mL	2 uL	2 uL		2 uL
IC 180-335968/11		EPA 624.1		5 mL	5 mL	2 uL	3 uL		3 uL
IC 180-335968/12		EPA 624.1		5 mL	5 mL	2 uL	4 uL		4 uL
IC 180-335968/13		EPA 624.1		5 mL	5 mL	2 uL	7 uL		7 uL
IC 180-335968/14		EPA 624.1		5 mL	5 mL	2 uL	8 uL		8 uL
IC 180-335968/15		EPA 624.1		5 mL	5 mL	2 uL	10 uL		10 uL
IC 180-335968/25		EPA 624.1		5 mL	5 mL	2 uL	0.2 uL		0.2 uL
ICV 180-335968/29		EPA 624.1		5 mL	5 mL	2 uL	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOABFB25 00129	VOAKETONE2ND 00005	VOAKETPRI 00005			
BFB 180-335968/1		EPA 624.1		1 uL					
IC 180-335968/9		EPA 624.1				1 uL			
ICIS 180-335968/10		EPA 624.1				2 uL			
IC 180-335968/11		EPA 624.1				3 uL			
IC 180-335968/12		EPA 624.1				4 uL			
IC 180-335968/13		EPA 624.1				7 uL			
IC 180-335968/14		EPA 624.1				8 uL			
IC 180-335968/15		EPA 624.1				10 uL			
IC 180-335968/25		EPA 624.1				0.8 uL			
ICV 180-335968/29		EPA 624.1			2 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 335968 Batch Start Date: 11/05/20 08:58 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379688 Batch Start Date: 11/22/21 12:07 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00127
BFB 180-379688/1		EPA 624.1		5 mL	5 mL				
CCVIS 180-379688/2		EPA 624.1		5 mL	5 mL			2 uL	2 uL
LCS 180-379688/3		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-379688/6		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130108-F-2	WS-11201415-1115 21-SG-001	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	
180-130108-F-2 MS	WS-11201415-1115 21-SG-001	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	
180-130108-F-2 MSD	WS-11201415-1115 21-SG-001	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260SURR 00128	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00102	VOAKETONE2ND 00016
BFB 180-379688/1		EPA 624.1					1 uL		
CCVIS 180-379688/2		EPA 624.1			2 uL	6 uL		2 uL	4 uL
LCS 180-379688/3		EPA 624.1			2 uL	6 uL		2 uL	4 uL
MB 180-379688/6		EPA 624.1							
180-130108-F-2	WS-11201415-1115 21-SG-001	EPA 624.1	T	2 uL					
180-130108-F-2 MS	WS-11201415-1115 21-SG-001	EPA 624.1	T	2 uL	2 uL	6 uL		2 uL	2 uL
180-130108-F-2 MSD	WS-11201415-1115 21-SG-001	EPA 624.1	T	2 uL	2 uL	6 uL		2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOAVAPRI 00051					
BFB 180-379688/1		EPA 624.1							
CCVIS 180-379688/2		EPA 624.1		2 uL					
LCS 180-379688/3		EPA 624.1		2 uL					
MB 180-379688/6		EPA 624.1							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379688 Batch Start Date: 11/22/21 12:07 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOAVAPRI 00051					
180-130108-F-2	WS-11201415-1115 21-SG-001	EPA 624.1	T						
180-130108-F-2 MS	WS-11201415-1115 21-SG-001	EPA 624.1	T	2 uL					
180-130108-F-2 MSD	WS-11201415-1115 21-SG-001	EPA 624.1	T	2 uL					

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-meoh

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380033 Batch Start Date: 11/24/21 08:43 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00128
BFB 180-380033/1		EPA 624.1		5 mL	5 mL				
CCVIS 180-380033/2		EPA 624.1		5 mL	5 mL			2 uL	2 uL
LCS 180-380033/3		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-380033/8		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130108-D-3	WS-11201415-1115 21-SG-002	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-D-3 MS	WS-11201415-1115 21-SG-002	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-D-3 MSD	WS-11201415-1115 21-SG-002	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-E-4	WS-11201415-1115 21-SG-003	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-E-5	WS-11201415-1115 21-SG-004	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-F-7	WS-11201415-1115 21-SG-006	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-D-8	WS-11201415-1115 21-SG-007	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-E-9	WS-11201415-1115 21-SG-008	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-D-10	WS-11201415-1115 21-SG-009	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00102	VOAKETONE2ND 00016	VOAVAPRI 00051
BFB 180-380033/1		EPA 624.1				1 uL			
CCVIS 180-380033/2		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
LCS 180-380033/3		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
MB 180-380033/8		EPA 624.1							
180-130108-D-3	WS-11201415-1115 21-SG-002	EPA 624.1	T						
180-130108-D-3 MS	WS-11201415-1115 21-SG-002	EPA 624.1	T	2 uL	6 uL		2 uL	4 uL	2 uL
180-130108-D-3 MSD	WS-11201415-1115 21-SG-002	EPA 624.1	T	2 uL	6 uL		2 uL	4 uL	2 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380033 Batch Start Date: 11/24/21 08:43 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00102	VOAKETONE2ND 00016	VOAVAPRI 00051
180-130108-E-4	WS-11201415-1115 21-SG-003	EPA 624.1	T						
180-130108-E-5	WS-11201415-1115 21-SG-004	EPA 624.1	T						
180-130108-F-7	WS-11201415-1115 21-SG-006	EPA 624.1	T						
180-130108-D-8	WS-11201415-1115 21-SG-007	EPA 624.1	T						
180-130108-E-9	WS-11201415-1115 21-SG-008	EPA 624.1	T						
180-130108-D-10	WS-11201415-1115 21-SG-009	EPA 624.1	T						

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-MEOH

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380188 Batch Start Date: 11/26/21 12:27 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00128
BFB 180-380188/1		EPA 624.1		5 mL	5 mL				
CCVIS 180-380188/2		EPA 624.1		5 mL	5 mL			2 uL	2 uL
LCS 180-380188/3		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-380188/5		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130108-A-1	TB-11201415-1115 21-SG	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-D-11	WS-11201415-1116 21-SG-010	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-E-12	WS-11201415-1116 21-SG-011	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOAPRI 00490	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00103	VOAKETONE2ND 00016	VOAVAPRI 00051
BFB 180-380188/1		EPA 624.1				1 uL			
CCVIS 180-380188/2		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
LCS 180-380188/3		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
MB 180-380188/5		EPA 624.1							
180-130108-A-1	TB-11201415-1115 21-SG	EPA 624.1	T						
180-130108-D-11	WS-11201415-1116 21-SG-010	EPA 624.1	T						
180-130108-E-12	WS-11201415-1116 21-SG-011	EPA 624.1	T						

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-meoh

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380188 Batch Start Date: 11/26/21 12:27 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380301 Batch Start Date: 11/27/21 14:36 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	VOA8260INT 00130	VOA8260SURR 00128
BFB 180-380301/3		EPA 624.1		5 mL	5 mL				
CCVIS 180-380301/4		EPA 624.1		5 mL	5 mL			2 uL	2 uL
MB 180-380301/7		EPA 624.1		5 mL	5 mL			2 uL	2 uL
180-130108-E-6	WS-11201415-1115 21-SG-005	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-F-5	WS-11201415-1115 21-SG-004	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
180-130108-F-9	WS-11201415-1115 21-SG-008	EPA 624.1	T	5 mL	5 mL	<2 SU	no	2 uL	2 uL
LCS 180-380301/1004		EPA 624.1		5 mL	5 mL			2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VOA8260VOA2ND 00475	VOAACRPRI 00042	VOABFB25 00142	VOACEVEPRI 00103	VOAKETONE2ND 00016	VOAVAPRI 00051
BFB 180-380301/3		EPA 624.1				1 uL			
CCVIS 180-380301/4		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL
MB 180-380301/7		EPA 624.1							
180-130108-E-6	WS-11201415-1115 21-SG-005	EPA 624.1	T						
180-130108-F-5	WS-11201415-1115 21-SG-004	EPA 624.1	T						
180-130108-F-9	WS-11201415-1115 21-SG-008	EPA 624.1	T						
LCS 180-380301/1004		EPA 624.1		2 uL	6 uL		2 uL	4 uL	2 uL

Batch Notes	
pH Indicator ID	HC902937
Residual Chlorine Indicator ID	100118
Vial Lot Number	0204201G
Batch Comment	4292561-meoh

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 380301 Batch Start Date: 11/27/21 14:36 Batch Analyst: Journet, Patrick

Batch Method: EPA 624.1 Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job Number: 180-130108-1

SDG No.:

Project: 0018036 Westinghouse

Client Sample ID	Lab Sample ID
WS-11201415-111521-SG-001	180-130108-2
WS-11201415-111521-SG-002	180-130108-3
WS-11201415-111521-SG-003	180-130108-4
WS-11201415-111521-SG-004	180-130108-5
WS-11201415-111521-SG-005	180-130108-6
WS-11201415-111521-SG-006	180-130108-7
WS-11201415-111521-SG-007	180-130108-8
WS-11201415-111521-SG-008	180-130108-9
WS-11201415-111521-SG-009	180-130108-10
WS-11201415-111621-SG-010	180-130108-11
WS-11201415-111621-SG-011	180-130108-12

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-001 Lab Sample ID: 180-130108-2

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 13:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.41	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7440-47-3	Chromium	12	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	19	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-002 Lab Sample ID: 180-130108-3

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	25	1.7	ug/L			5	EPA 200.7 Rev 4
7440-47-3	Chromium	ND	25	13	ug/L			5	EPA 200.7 Rev 4
7439-92-1	Lead	ND	50	11	ug/L			5	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-003 Lab Sample ID: 180-130108-4

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:25

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	2.3	25	1.7	ug/L	J		5	EPA 200.7 Rev 4
7440-47-3	Chromium	13	25	13	ug/L	J		5	EPA 200.7 Rev 4
7439-92-1	Lead	45	50	11	ug/L	J		5	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-004 Lab Sample ID: 180-130108-5

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:45

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.38	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7440-47-3	Chromium	ND	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-005 Lab Sample ID: 180-130108-6

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7440-47-3	Chromium	3.1	5.0	2.6	ug/L	J		1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-006 Lab Sample ID: 180-130108-7

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.37	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7440-47-3	Chromium	7.8	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	15	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-007 Lab Sample ID: 180-130108-8

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	0.44	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7440-47-3	Chromium	13	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	17	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-008 Lab Sample ID: 180-130108-9

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 16:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7440-47-3	Chromium	5.9	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	4.9	10	2.3	ug/L	J		1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111521-SG-009 Lab Sample ID: 180-130108-10

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 16:35

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.2	5.0	0.33	ug/L	J		1	EPA 200.7 Rev 4
7440-47-3	Chromium	ND	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111621-SG-010 Lab Sample ID: 180-130108-11

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 11:15

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7440-47-3	Chromium	ND	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: WS-11201415-111621-SG-011 Lab Sample ID: 180-130108-12

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 11:40

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	ND	5.0	0.33	ug/L			1	EPA 200.7 Rev 4
7440-47-3	Chromium	ND	5.0	2.6	ug/L			1	EPA 200.7 Rev 4
7439-92-1	Lead	ND	10	2.3	ug/L			1	EPA 200.7 Rev 4

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6010DCCVHI_00026

Analyte	ICV 180-380176/4 11/24/2021 05:28				ICV 180-380176/5 11/24/2021 05:32				CCV 180-380176/10 11/24/2021 05:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	985		1000	99	987		1000	99	9690		10000	97
Lead	246		250	98	243		250	97	9750		10000	97

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICV 180-380176/4 11/24/2021 05:28				ICV 180-380176/5 11/24/2021 05:32				CCV 180-380176/11 11/24/2021 06:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	249		250	99	248		250	99	500		500	100
Chromium	985		1000	99	987		1000	99	1940		2000	97
Lead	246		250	98	243		250	97	502		500	100

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/115 11/24/2021 14:13				CCV 180-380176/127 11/24/2021 15:08				CCV 180-380176/139 11/24/2021 16:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	504		500	101	503		500	101	512		500	102
Chromium	1910		2000	96	1910		2000	95	1940		2000	97
Lead	508		500	102	509		500	102	517		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/151 11/24/2021 16:59				CCV 180-380176/162 11/24/2021 17:50							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	513		500	103	500		500	100				
Chromium	1830		2000	92	1850		2000	93				
Lead	501		500	100	482		500	96				

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6010DCCVHI_00026

Analyte	ICVL 180-380176/7 11/24/2021 05:41				CCV 180-380176/10 11/24/2021 05:55							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	5.23		5.00	105	9690		10000	97				
Lead	8.95	J	10.0	90	9750		10000	97				

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICVL 180-380176/7 11/24/2021 05:41				CCV 180-380176/11 11/24/2021 06:00				CCV 180-380176/115 11/24/2021 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.98	J	5.00	100	500		500	100	504		500	101
Chromium	5.23		5.00	105	1940		2000	97	1910		2000	96
Lead	8.95	J	10.0	90	502		500	100	508		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/127 11/24/2021 15:08				CCV 180-380176/139 11/24/2021 16:04				CCV 180-380176/151 11/24/2021 16:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	503		500	101	512		500	102	513		500	103
Chromium	1910		2000	95	1940		2000	97	1830		2000	92
Lead	509		500	102	517		500	103	501		500	100

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380176/162 11/24/2021 17:50											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	500		500	100								
Chromium	1850		2000	93								
Lead	482		500	96								

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICV 180-380326/4 11/26/2021 07:57				ICV 180-380326/5 11/26/2021 08:02				CCV 180-380326/11 11/26/2021 08:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	250		250	100	248		250	99	497		500	99
Chromium	966		1000	97	979		1000	98	1940		2000	97
Lead	246		250	98	245		250	98	495		500	99

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: M6500ICV_00029 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380326/111 11/26/2021 16:14				CCV 180-380326/119 11/26/2021 16:51							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	480		500	96	477		500	95				
Chromium	1860		2000	93	1870		2000	93				
Lead	475		500	95	469		500	94				

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	ICVL 180-380326/7 11/26/2021 08:11				CCV 180-380326/11 11/26/2021 08:31				CCV 180-380326/111 11/26/2021 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.87	J	5.00	97	497		500	99	480		500	96
Chromium	5.35		5.00	107	1940		2000	97	1860		2000	93
Lead	10.0		10.0	100	495		500	99	475		500	95

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

ICV Source: MICVLCCVL_00049 Concentration Units: ug/L

CCV Source: M6500CCV_00104

Analyte	CCV 180-380326/119 11/26/2021 16:51											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	477		500	95								
Chromium	1870		2000	93								
Lead	469		500	94								

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: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 180-380176/6 11/24/2021 05:37		CCB1 180-380176/12 11/24/2021 06:04		CCB10 180-380176/116 11/24/2021 14:17		CCB11 180-380176/128 11/24/2021 15:13	
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB12 180-380176/140 11/24/2021 16:08		CCB13 180-380176/152 11/24/2021 17:03		CCB14 180-380176/163 11/24/2021 17:55			
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	ND		ND		ND			
Chromium	5.0	ND		ND		ND			
Lead	10	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 180-380326/6 11/26/2021 08:06		CCB1 180-380326/12 11/26/2021 08:35		CCB10 180-380326/112 11/26/2021 16:18		CCB11 180-380326/120 11/26/2021 16:56	
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-379791/1-A

Instrument Code: C Batch No.: 380176

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	ND			200.7
7440-47-3	Chromium	ND			200.7
7439-92-1	Lead	ND			200.7

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-379972/1-A

Instrument Code: C Batch No.: 380176

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	ND			200.7
7440-47-3	Chromium	ND			200.7
7439-92-1	Lead	ND			200.7

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICSA 180-380176/8 Instrument ID: C

Lab File ID: C211124B.asc ICS Source: MICSAICP_00109

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		**0.0200**	
Chromium		**1.28**	
Lead		**0.130**	
Aluminum	*500000*	*499220*	*100*
Antimony		*-5.47*	
Arsenic		*3.08*	
Barium		*13.2*	
Beryllium		*-0.0200*	
Boron		*-3.35*	
Calcium	*500000*	*464940*	*93*
Cobalt		*0.540*	
Copper		*0.830*	
Iron	*200000*	*182120*	*91*
Lithium		*7.56*	
Magnesium	*500000*	*492510*	*99*
Manganese		*0.760*	
Molybdenum		*-1.57*	
Nickel		*5.93*	
Potassium		*107*	
Selenium		*6.92*	
Silicon		*7.15*	
Silver		*-0.260*	
Sodium		*101*	
Strontium		*11.7*	
Thallium		*-7.05*	
Tin		*3.64*	
Titanium		*-0.540*	
Vanadium		*-2.79*	
Zinc		*0.880*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICSAB 180-380176/9 Instrument ID: C

Lab File ID: C211124B.asc ICS Source: M6500ICSAB_00015

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Cadmium	**1000**	**1025**	**103**
Chromium	**1000**	**961**	**96**
Lead	**1000**	**964**	**96**
Aluminum	*500000*	*496670*	*99*
Antimony	*1000*	*951*	*95*
Arsenic	*1000*	*1040*	*104*
Barium	*1000*	*1009*	*101*
Beryllium	*500*	*490*	*98*
Boron	*10000*	*9967*	*100*
Calcium	*500000*	*459560*	*92*
Cobalt	*1000*	*981*	*98*
Copper	*1000*	*1070*	*107*
Iron	*200000*	*180850*	*90*
Lithium	*1000*	*1097*	*110*
Magnesium	*500000*	*492640*	*99*
Manganese	*1000*	*953*	*95*
Molybdenum	*1000*	*907*	*91*
Nickel	*1000*	*969*	*97*
Potassium	*10000*	*10241*	*102*
Selenium	*1000*	*995*	*99*
Silicon	*10000*	*9910*	*99*
Silver	*1000*	*1088*	*109*
Sodium	*10000*	*10360*	*104*
Strontium	*1000*	*949*	*95*
Thallium	*1000*	*906*	*91*
Tin	*1000*	*877*	*88*
Titanium	*1000*	*990*	*99*
Vanadium	*1000*	*953*	*95*
Zinc	*1000*	*886*	*89*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICSA 180-380326/8 Instrument ID: C

Lab File ID: C211126A.asc ICS Source: MICSAICP_00109

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		**0.0200**	
Chromium		**1.19**	
Lead		**-0.550**	
Aluminum	*500000*	*505800*	*101*
Antimony		*-3.49*	
Arsenic		*0.740*	
Barium		*13.2*	
Beryllium		*0.0500*	
Boron		*-3.69*	
Calcium	*500000*	*471870*	*94*
Cobalt		*0.520*	
Copper		*0.110*	
Iron	*200000*	*182500*	*91*
Lithium		*6.47*	
Magnesium	*500000*	*500570*	*100*
Manganese		*0.990*	
Molybdenum		*0.0000*	
Nickel		*6.24*	
Potassium		*139*	
Selenium		*5.76*	
Silicon		*-10.6*	
Silver		*0.360*	
Sodium		*171*	
Strontium		*19.7*	
Thallium		*-10.8*	
Tin		*3.24*	
Titanium		*-0.570*	
Vanadium		*0.890*	
Zinc		*0.480*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job No.: 180-130108-1

SDG No.:

Lab Sample ID: ICSAB 180-380326/9 Instrument ID: C

Lab File ID: C211126A.asc ICS Source: M6500ICSAB_00015

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Cadmium	**1000**	**1026**	**103**
Chromium	**1000**	**945**	**94**
Lead	**1000**	**947**	**95**
Aluminum	*500000*	*492330*	*98*
Antimony	*1000*	*955*	*95*
Arsenic	*1000*	*1044*	*104*
Barium	*1000*	*997*	*100*
Beryllium	*500*	*479*	*96*
Boron	*10000*	*10055*	*101*
Calcium	*500000*	*461090*	*92*
Cobalt	*1000*	*981*	*98*
Copper	*1000*	*1063*	*106*
Iron	*200000*	*179760*	*90*
Lithium	*1000*	*1076*	*108*
Magnesium	*500000*	*490490*	*98*
Manganese	*1000*	*937*	*94*
Molybdenum	*1000*	*909*	*91*
Nickel	*1000*	*974*	*97*
Potassium	*10000*	*10255*	*103*
Selenium	*1000*	*1007*	*101*
Silicon	*10000*	*9740*	*97*
Silver	*1000*	*1075*	*108*
Sodium	*10000*	*10456*	*105*
Strontium	*1000*	*943*	*94*
Thallium	*1000*	*906*	*91*
Tin	*1000*	*875*	*87*
Titanium	*1000*	*974*	*97*
Vanadium	*1000*	*940*	*94*
Zinc	*1000*	*883*	*88*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: WS-11201415-111521-SG-002 MS Lab ID: 180-130108-3 MS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

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	523		ND		500	105	70-130		EPA 200.7 Rev 4
Chromium	486		ND		500	97	70-130		EPA 200.7 Rev 4
Lead	480		ND		500	96	70-130		EPA 200.7 Rev 4

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 - TOTAL RECOVERABLE

Client ID: WS-11201415-111521-SG-004 MS Lab ID: 180-130108-5 MS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

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	536		0.38	J	500	107	70-130		EPA 200.7 Rev 4
Chromium	490		ND		500	98	70-130		EPA 200.7 Rev 4
Lead	505		ND		500	101	70-130		EPA 200.7 Rev 4

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: WS-11201415-111521-SG-002 MSD Lab ID: 180-130108-3 MSD

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Cadmium	519		500	104	70-130	1	20		EPA 200.7 Rev 4
Chromium	470		500	94	70-130	3	20		EPA 200.7 Rev 4
Lead	476		500	95	70-130	1	20		EPA 200.7 Rev 4

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: WS-11201415-111521-SG-004 MSD Lab ID: 180-130108-5 MSD

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Cadmium	549		500	110	70-130	2	20		EPA 200.7 Rev 4
Chromium	500		500	100	70-130	2	20		EPA 200.7 Rev 4
Lead	518		500	104	70-130	3	20		EPA 200.7 Rev 4

SDR = Sample Duplicate Result

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

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-379791/2-A

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

Sample Matrix: Water LCS Source: TA-SPIKE1_00017

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	500	533		107	85	115		EPA 200.7 Rev 4
Chromium	500	504		101	85	115		EPA 200.7 Rev 4
Lead	500	519		104	85	115		EPA 200.7 Rev 4

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-379972/2-A

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

Sample Matrix: Water LCS Source: TA-SPIKE1_00016

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	500	533		107	85	115		EPA 200.7 Rev 4
Chromium	500	490		98	85	115		EPA 200.7 Rev 4
Lead	500	505		101	85	115		EPA 200.7 Rev 4

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 180-130108-3

SDG No:

Lab Name: Eurofins TestAmerica, Pittsburgh Job No: 180-130108-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	ND		ND		NC		EPA 200.7 Rev 4
Chromium	ND		ND		NC		EPA 200.7 Rev 4
Lead	ND		ND		NC		EPA 200.7 Rev 4

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 180-130108-5

SDG No:

Lab Name: Eurofins TestAmerica, Pittsburgh Job No: 180-130108-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	0.38	J	ND		NC		EPA 200.7 Rev 4
Chromium	ND		ND		NC		EPA 200.7 Rev 4
Lead	ND		ND		NC		EPA 200.7 Rev 4

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: C

Method: EPA 200.7 Rev 4 MDL Date: 10/18/2021 09:39

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cadmium	226.502	5	0.33
Chromium	267.716	5	2.58
Lead	220.353	10	2.27

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: C

Method: EPA 200.7 Rev 4 XMDL Date: 10/18/2021 09:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cadmium	226.502	5	0.33
Chromium	267.716	5	2.58
Lead	220.353	10	2.27

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum	308.215														
Antimony	217.581		-0.000040										-0.000017		
Arsenic	189.042		0.000034								0.001377				
Barium	455.403														
Beryllium	313.042														
Boron	182.641														
Cadmium	228.802			0.004943											
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	327.396														
Iron	259.940														
Lead	220.353		-0.000095										0.000039		
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604												0.000058		
Potassium	766.490														
Selenium	196.090														
Silicon	251.611														
Silver	328.068														
Sodium	589.592														
Strontium	346.446														
Thallium	190.856														
Tin	189.989														
Titanium	337.280														
Vanadium	290.882												0.000072		
Zinc	206.200										0.000975				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum	308.215			0.012475											0.028518
Antimony	217.581						-0.000709								0.001934
Arsenic	189.042		-0.000407	0.003427											
Barium	455.403														
Beryllium	313.042														0.000486
Boron	182.641														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616												0.002265		
Copper	327.396														
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090		0.000219												
Silicon	251.611														
Silver	328.068		0.000067												
Sodium	589.592														
Strontium	346.446														
Thallium	190.856		0.000578										-0.000000		-0.004789
Tin	189.989														
Titanium	337.280														
Vanadium	290.882														
Zinc	206.200														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG No.:

ICP-AES Instrument ID: C Date: 08/04/2021

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215														
Antimony	217.581														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														
Boron	182.641														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	327.396														
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	251.611														
Silver	328.068														
Sodium	589.592														
Strontium	346.446														
Thallium	190.856														
Tin	189.989														
Titanium	337.280														
Vanadium	290.882														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins TestAmerica, Pittsbur Job No: 180-130108-1

SDG No.:

Instrument ID: C Date: 09/16/2021 09:33

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Cadmium		5000	EPA 200.7 Rev 4
Chromium		25000	EPA 200.7 Rev 4
Lead		25000	EPA 200.7 Rev 4

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-379791/1-A	11/23/2021 10:00	379791		50	50
LCS 180-379791/2-A	11/23/2021 10:00	379791		50	50
180-130108-2	11/23/2021 10:00	379791		50	50
180-130108-3	11/23/2021 10:00	379791		50	50
180-130108-3 MS	11/23/2021 10:00	379791		50	50
180-130108-3 MSD	11/23/2021 10:00	379791		50	50
180-130108-4	11/23/2021 10:00	379791		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-379972/1-A	11/23/2021 12:15	379972		25	25
LCS 180-379972/2-A	11/23/2021 12:15	379972		25	25
180-130108-5	11/23/2021 12:15	379972		25	25
180-130108-5 MS	11/23/2021 12:15	379972		25	25
180-130108-5 MSD	11/23/2021 12:15	379972		25	25
180-130108-6	11/23/2021 12:15	379972		25	25
180-130108-7	11/23/2021 12:15	379972		25	25
180-130108-8	11/23/2021 12:15	379972		25	25
180-130108-9	11/23/2021 12:15	379972		25	25
180-130108-10	11/23/2021 12:15	379972		25	25
180-130108-11	11/23/2021 12:15	379972		25	25
180-130108-12	11/23/2021 12:15	379972		25	25

ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
STD1 180-380176/1 IC			05:14	X	X	X																		
STD2A 180-380176/2 IC			05:19	X	X	X																		
STD3 180-380176/3 IC			05:23	X	X	X																		
ICV 180-380176/4	1		05:28	X	X	X																		
ICV 180-380176/5	1		05:32	X	X	X																		
ICBIS 180-380176/6	1		05:37	X	X	X																		
ICVL 180-380176/7	1		05:41	X	X	X																		
ICSA 180-380176/8	1		05:46	X	X	X																		
ICSAB 180-380176/9	1		05:51	X	X	X																		
CCV 180-380176/10	1		05:55	X	X	X																		
CCV 180-380176/11	1		06:00	X	X	X																		
CCB1 180-380176/12	1		06:04	X	X	X																		
ZZZZZZ			06:09																					
ZZZZZZ			06:14																					
ZZZZZZ			06:18																					
ZZZZZZ			06:23																					
ZZZZZZ			06:27																					
ZZZZZZ			06:32																					
ZZZZZZ			06:37																					
ZZZZZZ			06:41																					
ZZZZZZ			06:46																					
ZZZZZZ			06:51																					
CCV 180-380176/23			06:55																					
CCB2 180-380176/24			07:00																					
ZZZZZZ			07:04																					
ZZZZZZ			07:09																					
ZZZZZZ			07:14																					
ZZZZZZ			07:18																					
ZZZZZZ			07:23																					
ZZZZZZ			07:27																					
ZZZZZZ			07:32																					
ZZZZZZ			07:36																					
ZZZZZZ			07:41																					
ZZZZZZ			07:46																					
CCV 180-380176/35			07:50																					
CCB3 180-380176/36			07:55																					
ZZZZZZ			07:59																					
ZZZZZZ			08:04																					
ZZZZZZ			08:09																					
ZZZZZZ			08:13																					
ZZZZZZ			08:18																					
ZZZZZZ			08:22																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
ZZZZZZ			08:27																					
ZZZZZZ			08:31																					
ZZZZZZ			08:36																					
ZZZZZZ			08:41																					
CCV 180-380176/47			08:46																					
CCB4 180-380176/48			08:50																					
ZZZZZZ			08:55																					
ZZZZZZ			08:59																					
ZZZZZZ			09:04																					
ZZZZZZ			09:08																					
ZZZZZZ			09:13																					
ZZZZZZ			09:18																					
ZZZZZZ			09:22																					
ZZZZZZ			09:27																					
ZZZZZZ			09:31																					
ZZZZZZ			09:36																					
CCV 180-380176/59			09:40																					
CCB5 180-380176/60			09:45																					
ZZZZZZ			09:49																					
ZZZZZZ			09:54																					
ZZZZZZ			09:59																					
ZZZZZZ			10:03																					
ZZZZZZ			10:08																					
ZZZZZZ			10:12																					
ZZZZZZ			10:17																					
ZZZZZZ			10:22																					
ZZZZZZ			10:26																					
CCV 180-380176/70			10:31																					
CCB6 180-380176/71			10:35																					
ZZZZZZ			10:40																					
ZZZZZZ			10:44																					
ZZZZZZ			10:49																					
ZZZZZZ			10:53																					
ZZZZZZ			10:58																					
ZZZZZZ			11:02																					
ZZZZZZ			11:07																					
ZZZZZZ			11:11																					
ZZZZZZ			11:16																					
CCV 180-380176/81			11:31																					
CCB7 180-380176/82			11:35																					
ZZZZZZ			11:40																					
CCVL 180-380176/84			11:46																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
ZZZZZZ			11:55																					
ZZZZZZ			12:00																					
ZZZZZZ			12:04																					
ZZZZZZ			12:09																					
ZZZZZZ			12:14																					
ZZZZZZ			12:19																					
ZZZZZZ			12:23																					
ZZZZZZ			12:28																					
CCV 180-380176/93			12:33																					
CCB8 180-380176/94			12:37																					
ZZZZZZ			12:42																					
ZZZZZZ			12:46																					
ZZZZZZ			12:50																					
ZZZZZZ			12:55																					
ZZZZZZ			12:59																					
ZZZZZZ			13:04																					
ZZZZZZ			13:08																					
ZZZZZZ			13:13																					
ZZZZZZ			13:18																					
ZZZZZZ			13:22																					
CCV 180-380176/105			13:26																					
CCB9 180-380176/106			13:31																					
ZZZZZZ			13:35																					
ZZZZZZ			13:40																					
ZZZZZZ			13:44																					
ZZZZZZ			13:49																					
ZZZZZZ			13:54																					
ZZZZZZ			13:58																					
ZZZZZZ			14:03																					
ZZZZZZ			14:08																					
CCV 180-380176/115	1		14:13	X	X	X																		
CCB10 180-380176/116	1		14:17	X	X	X																		
ZZZZZZ			14:22																					
CCVL 180-380176/118			14:26																					
MB 180-379791/1-A	1	R	14:31	X	X	X																		
LCS 180-379791/2-A	1	R	14:36	X	X	X																		
ZZZZZZ			14:40																					
ZZZZZZ			14:45																					
ZZZZZZ			14:49																					
ZZZZZZ			14:54																					
ZZZZZZ			14:59																					
ZZZZZZ			15:04																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
CCV 180-380176/127	1		15:08	X	X	X																		
CCB11 180-380176/128	1		15:13	X	X	X																		
ZZZZZZ			15:17																					
ZZZZZZ			15:22																					
ZZZZZZ			15:27																					
ZZZZZZ			15:32																					
ZZZZZZ			15:36																					
ZZZZZZ			15:41																					
ZZZZZZ			15:45																					
ZZZZZZ			15:50																					
180-130108-2	1	R	15:54	X	X	X																		
ZZZZZZ			15:59																					
CCV 180-380176/139	1		16:04	X	X	X																		
CCB12 180-380176/140	1		16:08	X	X	X																		
ZZZZZZ			16:13																					
ZZZZZZ			16:18																					
ZZZZZZ			16:22																					
ZZZZZZ			16:27																					
ZZZZZZ			16:31																					
ZZZZZZ			16:36																					
MB 180-379972/1-A	1	R	16:41	X	X	X																		
LCS 180-379972/2-A	1	R	16:45	X	X	X																		
180-130108-5	1	R	16:50	X	X	X																		
180-130108-5 SD	5	R	16:54	X	X	X																		
CCV 180-380176/151	1		16:59	X	X	X																		
CCB13 180-380176/152	1		17:03	X	X	X																		
180-130108-5 MS	1	R	17:08	X	X	X																		
180-130108-5 MSD	1	R	17:13	X	X	X																		
180-130108-6	1	R	17:17	X	X	X																		
180-130108-7	1	R	17:22	X	X	X																		
180-130108-8	1	R	17:27	X	X	X																		
180-130108-9	1	R	17:31	X	X	X																		
180-130108-10	1	R	17:36	X	X	X																		
180-130108-11	1	R	17:41	X	X	X																		
180-130108-12	1	R	17:46	X	X	X																		
CCV 180-380176/162	1		17:50	X	X	X																		
CCB14 180-380176/163	1		17:55	X	X	X																		
ZZZZZZ			17:59																					
ZZZZZZ			18:04																					
ZZZZZZ			18:09																					
ZZZZZZ			18:13																					
ZZZZZZ			18:18																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/24/2021 05:14 End Date: 11/24/2021 20:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
ZZZZZZ			18:23																					
ZZZZZZ			18:27																					
ZZZZZZ			18:32																					
ZZZZZZ			18:37																					
CCV 180-380176/173			18:41																					
CCB15 180-380176/174			18:46																					
ZZZZZZ			18:50																					
ZZZZZZ			18:55																					
ZZZZZZ			19:00																					
ZZZZZZ			19:04																					
ZZZZZZ			19:09																					
ZZZZZZ			19:13																					
CCV 180-380176/181			19:18																					
CCB16 180-380176/182			19:22																					
ZZZZZZ			19:27																					
ZZZZZZ			19:32																					
ZZZZZZ			19:36																					
ZZZZZZ			19:40																					
ZZZZZZ			19:45																					
ZZZZZZ			19:49																					
ZZZZZZ			19:54																					
ZZZZZZ			19:58																					
ZZZZZZ			20:02																					
ZZZZZZ			20:07																					
CCV 180-380176/193			20:11																					
CCB17 180-380176/194			20:16																					

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
STD1 180-380326/1 IC			07:44	X	X	X																		
STD2A 180-380326/2 IC			07:48	X	X	X																		
STD3 180-380326/3 IC			07:52	X	X	X																		
ICV 180-380326/4	1		07:57	X	X	X																		
ICV 180-380326/5	1		08:02	X	X	X																		
ICBIS 180-380326/6	1		08:06	X	X	X																		
ICVL 180-380326/7	1		08:11	X	X	X																		
ICSA 180-380326/8	1		08:15	X	X	X																		
ICSAB 180-380326/9	1		08:22	X	X	X																		
ZZZZZZ			08:26																					
CCV 180-380326/11	1		08:31	X	X	X																		
CCB1 180-380326/12	1		08:35	X	X	X																		
ZZZZZZ			08:40																					
ZZZZZZ			08:44																					
ZZZZZZ			08:49																					
ZZZZZZ			08:53																					
ZZZZZZ			08:58																					
ZZZZZZ			09:02																					
ZZZZZZ			09:07																					
ZZZZZZ			09:11																					
ZZZZZZ			09:16																					
ZZZZZZ			09:20																					
CCV 180-380326/23			09:25																					
CCB2 180-380326/24			09:29																					
ZZZZZZ			09:34																					
CCVL 180-380326/26			09:39																					
ZZZZZZ			09:50																					
ZZZZZZ			09:55																					
ZZZZZZ			09:59																					
ZZZZZZ			10:04																					
ZZZZZZ			10:08																					
ZZZZZZ			10:13																					
ZZZZZZ			10:17																					
CCV 180-380326/34			10:22																					
CCB3 180-380326/35			10:26																					
ZZZZZZ			10:31																					
ZZZZZZ			10:35																					
ZZZZZZ			10:40																					
ZZZZZZ			10:44																					
ZZZZZZ			10:49																					
ZZZZZZ			10:53																					
ZZZZZZ			10:58																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
ZZZZZZ			11:02																					
ZZZZZZ			11:07																					
CCV 180-380326/45			11:11																					
CCB4 180-380326/46			11:16																					
ZZZZZZ			11:20																					
ZZZZZZ			11:25																					
ZZZZZZ			11:30																					
ZZZZZZ			11:34																					
ZZZZZZ			11:39																					
ZZZZZZ			11:43																					
ZZZZZZ			11:48																					
ZZZZZZ			11:52																					
ZZZZZZ			11:57																					
CCV 180-380326/56			12:01																					
CCB5 180-380326/57			12:06																					
ZZZZZZ			12:10																					
ZZZZZZ			12:15																					
ZZZZZZ			12:20																					
ZZZZZZ			12:24																					
ZZZZZZ			12:29																					
ZZZZZZ			12:33																					
ZZZZZZ			12:38																					
ZZZZZZ			12:43																					
ZZZZZZ			12:47																					
ZZZZZZ			12:52																					
CCV 180-380326/68			12:57																					
CCB6 180-380326/69			13:01																					
ZZZZZZ			13:06																					
ZZZZZZ			13:11																					
ZZZZZZ			13:15																					
ZZZZZZ			13:20																					
ZZZZZZ			13:24																					
ZZZZZZ			13:29																					
ZZZZZZ			13:34																					
ZZZZZZ			13:38																					
CCV 180-380326/78			13:43																					
CCB7 180-380326/79			13:47																					
CCVL 180-380326/80			13:52																					
ZZZZZZ			13:57																					
ZZZZZZ			14:01																					
ZZZZZZ			14:06																					
ZZZZZZ			14:10																					

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: C Method: EPA 200.7 Rev 4

Start Date: 11/26/2021 07:44 End Date: 11/26/2021 16:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Pb																		
ZZZZZZ			14:15																					
ZZZZZZ			14:19																					
ZZZZZZ			14:24																					
ZZZZZZ			14:29																					
ZZZZZZ			14:33																					
CCV 180-380326/90			14:38																					
CCB8 180-380326/91			14:42																					
ZZZZZZ			14:47																					
ZZZZZZ			14:51																					
ZZZZZZ			14:56																					
ZZZZZZ			15:01																					
ZZZZZZ			15:05																					
ZZZZZZ			15:10																					
ZZZZZZ			15:14																					
ZZZZZZ			15:19																					
ZZZZZZ			15:23																					
ZZZZZZ			15:28																					
CCV 180-380326/102			15:32																					
CCB9 180-380326/103			15:37																					
ZZZZZZ			15:42																					
ZZZZZZ			15:46																					
ZZZZZZ			15:50																					
ZZZZZZ			15:55																					
ZZZZZZ			15:59																					
ZZZZZZ			16:04																					
ZZZZZZ			16:09																					
CCV 180-380326/111	1		16:14	X	X	X																		
CCB10 180-380326/112	1		16:18	X	X	X																		
180-130108-3	5	R	16:23	X	X	X																		
180-130108-3 SD	25	R	16:27	X	X	X																		
180-130108-3 MS	5	R	16:32	X	X	X																		
180-130108-3 MSD	5	R	16:37	X	X	X																		
180-130108-4	5	R	16:42	X	X	X																		
ZZZZZZ			16:46																					
CCV 180-380326/119	1		16:51	X	X	X																		
CCB11 180-380326/120	1		16:56	X	X	X																		

Prep Types

R = Total Recoverable

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.: Analysis Batch No.: 380176

ICP Instrument ID: C Start Date: 11/24/2021 End Date: 11/24/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 371.030	Q	Element	Q
ICV 180-380176/4	05:28										
ICV 180-380176/5	05:32										
ICBIS 180-380176/6	05:37										
ICVL 180-380176/7	05:41	98		100		98		101			
ICSA 180-380176/8	05:46	75		88		87		97			
ICSAB 180-380176/9	05:51	75		89		86		97			
CCV 180-380176/10	05:55	79		90		89		98			
CCV 180-380176/11	06:00	85		96		94		100			
CCB1 180-380176/12	06:04	100		100		99		101			
CCV 180-380176/115	14:13	85		94		93		98			
CCB10 180-380176/116	14:17	100		100		99		101			
MB 180-379791/1-A	14:31	100		99		99		101			
LCS 180-379791/2-A	14:36	92		97		97		102			
CCV 180-380176/127	15:08	85		94		93		99			
CCB11 180-380176/128	15:13	99		99		99		100			
180-130108-2	15:54	75		87		85		98			
CCV 180-380176/139	16:04	83		92		91		97			
CCB12 180-380176/140	16:08	98		97		98		98			
MB 180-379972/1-A	16:41	102		101		106		112			
LCS 180-379972/2-A	16:45	95		98		102		113			
180-130108-5	16:50	90		95		98		110			
180-130108-5 SD	16:54	98		99		102		112			
CCV 180-380176/151	16:59	85		94		99		111			
CCB13 180-380176/152	17:03	105		103		107		114			
180-130108-5 MS	17:08	87		95		98		111			
180-130108-5 MSD	17:13	86		94		97		111			
180-130108-6	17:17	83		91		95		108			
180-130108-7	17:22	82		92		94		109			
180-130108-8	17:27	84		94		97		111			
180-130108-9	17:31	87		95		97		111			
180-130108-10	17:36	91		96		99		109			
180-130108-11	17:41	86		94		97		109			
180-130108-12	17:46	91		96		100		111			
CCV 180-380176/162	17:50	87		96		99		110			
CCB14 180-380176/163	17:55	103		102		106		112			

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.: Analysis Batch No.: 380326

ICP Instrument ID: C Start Date: 11/26/2021 End Date: 11/26/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 371.030	Q	Element	Q
ICV 180-380326/4	07:57										
ICV 180-380326/5	08:02										
ICBIS 180-380326/6	08:06										
ICVL 180-380326/7	08:11	100		102		98		99			
ICSA 180-380326/8	08:15	76		89		85		95			
ICSAB 180-380326/9	08:22	76		89		87		98			
CCV 180-380326/11	08:31	85		96		93		98			
CCB1 180-380326/12	08:35	102		102		100		100			
CCV 180-380326/111	16:14	88		100		96		100			
CCB10 180-380326/112	16:18	105		106		102		101			
180-130108-3	16:23	75		90		84		94			
180-130108-3 SD	16:27	90		100		92		97			
180-130108-3 MS	16:32	76		91		85		98			
180-130108-3 MSD	16:37	76		91		85		96			
180-130108-4	16:42	70		87		81		95			
CCV 180-380326/119	16:51	88		100		96		101			
CCB11 180-380326/120	16:56	103		104		101		103			

Sample Name: STD1 Acquired: 11/24/2021 5:14:42 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00013**	**.00086**	**.00020**	**.00021**	**.00437**	**-.00117**
Stddev	.00010	.00038	.00022	.00006	.00022	.00020
%RSD	76.911	43.669	105.35	29.290	4.9522	16.805
#1	-.00020	.00051	.00016	.00027	.00459	-.00122
#2	-.00002	.00126	.00044	.00020	.00416	-.00095
#3	-.00017	.00081	.00001	.00015	.00435	-.00133

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00703**	**.00039**	**.00059**	**.00002**	**-.00299**	**.00066**
Stddev	.00012	.00035	.00075	.00003	.00016	.00015
%RSD	1.7251	90.568	126.29	132.40	5.3994	22.413
#1	.00693	.00066	.00082	-.00000	-.00317	.00083
#2	.00717	.00052	.00121	.00001	-.00286	.00060
#3	.00700	-.00001	-.00024	.00006	-.00295	.00055

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01162**	**.00410**	**-.00021**	**.00018**	**.00045**	**.02807**
Stddev	.00275	.00172	.00024	.00002	.00007	.00050
%RSD	23.642	41.814	116.07	11.828	16.029	1.7780
#1	.01450	.00476	-.00038	.00019	.00053	.02865
#2	.01132	.00540	-.00030	.00015	.00042	.02777
#3	.00903	.00216	.00007	.00019	.00040	.02780

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00234**	**-.00004**	**-.00032**	**.00035**	**.00054**	**.00051**
Stddev	.00047	.00037	.00014	.00013	.00016	.00009
%RSD	20.150	885.01	42.641	36.153	29.272	17.446
#1	.00245	-.00046	-.00036	.00045	.00037	.00060
#2	.00183	.00025	-.00044	.00038	.00068	.00050
#3	.00275	.00008	-.00017	.00021	.00057	.00043

Sample Name: STD1 Acquired: 11/24/2021 5:14:42 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00034**	**.00026**	**-.00086**	**-.00035**	**.00128**
Stddev	.00064	.00002	.00014	.00030	.00010
%RSD	188.16	8.8009	15.869	87.918	7.9534
#1	-.00097	.00024	-.00093	-.00023	.00129
#2	.00031	.00024	-.00095	-.00012	.00118
#3	-.00036	.00028	-.00070	-.00069	.00138

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2125.6**	**3771.1**	**55610.**	**4751.7**
Stddev	5.9	3.3	301.	26.3
%RSD	.27781	.08644	.54173	.55446
#1	2125.2	3769.0	55319.	4763.6
#2	2119.8	3769.5	55920.	4721.5
#3	2131.6	3774.9	55592.	4770.1

Sample Name: STD2A Acquired: 11/24/2021 5:19:21 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	As	B_	Ba	Be	Cd
Line	328.068 {103}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}	228.802 {447}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.62307**	**.07266**	**1.2202**	**19.550**	**14.559**	**2.2469**
Stddev	.00213	.00031	.0013	.013	.026	.0035
%RSD	.34166	.42421	.10896	.06685	.18068	.15428
#1	.62510	.07237	1.2187	19.546	14.563	2.2430
#2	.62326	.07298	1.2212	19.565	14.530	2.2496
#3	.62086	.07262	1.2207	19.540	14.582	2.2481

Elem	Co	Cr	Cu	Li	Mn	Mo
Line	228.616 {447}	267.716 {126}	327.396 {103}	670.784 { 50}	257.610 {131}	202.030 {467}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.4773**	**.58671**	**.80243**	**7.1661**	**4.4262**	**2.6613**
Stddev	.0127	.00083	.00269	.0109	.0071	.0075
%RSD	.16933	.14164	.33580	.15214	.15967	.28054
#1	7.4632	.58766	.80540	7.1722	4.4343	2.6528
#2	7.4877	.58637	.80174	7.1727	4.4218	2.6669
#3	7.4809	.58610	.80014	7.1535	4.4224	2.6642

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.2765**	**.40972**	**.13780**	**.06427**	**.12712**	**.89880**
Stddev	.0077	.00054	.00024	.00015	.00079	.00143
%RSD	.23484	.13159	.17564	.22585	.61839	.15869
#1	3.2683	.40931	.13754	.06417	.12650	.89724
#2	3.2835	.41033	.13802	.06421	.12686	.89913
#3	3.2779	.40953	.13784	.06444	.12801	.90004

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.38819**	**2.5258**	**.39615**	**.39404**	**3.3593**
Stddev	.00207	.0051	.00056	.00043	.0073
%RSD	.53235	.20213	.14210	.10968	.21721
#1	.38744	2.5316	.39559	.39444	3.3521
#2	.38660	2.5237	.39615	.39358	3.3592
#3	.39053	2.5221	.39672	.39410	3.3667

Sample Name: STD2A Acquired: 11/24/2021 5:19:21 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2015.3**	**3710.3**	**55346.**	**4869.1**
Stddev	6.1	9.8	162.	29.1
%RSD	.30338	.26431	.29189	.59698
#1	2021.7	3720.8	55161.	4864.5
#2	2009.5	3701.4	55422.	4900.2
#3	2014.8	3708.6	55456.	4842.7

Sample Name: STD3 Acquired: 11/24/2021 5:23:37 Type: Cal
Method: PITT-6500ICP-2(v5065) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al	Ca	Fe	K_	Mg	Na
Line	308.215 {109}	317.933 {106}	259.940 {130}	766.490 { 44}	279.079 {121}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.98344**	**10.085**	**4.2422**	**17.162**	**.94139**	**61.908**
Stddev	.00593	.039	.0263	.139	.00530	.860
%RSD	.60340	.38999	.62082	.80773	.56349	1.3891
#1	.98101	10.081	4.2352	17.117	.94059	62.562
#2	.99020	10.126	4.2714	17.317	.94705	60.934
#3	.97910	10.048	4.2201	17.051	.93653	62.228

Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	**4558.0**
Stddev	23.4
%RSD	.51335
#1	4534.9
#2	4557.4
#3	4581.7

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:28:24 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49235**	**12.147**	**.25711**	**1.0039**	**.98825**	**.99675**
Stddev	.00064	.097	.00240	.0052	.00305	.00765
%RSD	.13071	.79632	.93165	.52041	.30815	.76771
#1	.49178	12.175	.25481	.99994	.98918	.99319
#2	.49304	12.227	.25694	1.0018	.99073	1.0055
#3	.49222	12.039	.25959	1.0098	.98485	.99153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.602**	**.24871**	**.98958**	**.98504**	**.97100**	**12.416**
Stddev	.013	.00089	.00318	.00235	.00282	.108
%RSD	.05201	.35817	.32121	.23852	.29060	.86891
#1	24.617	.24776	.98882	.98671	.96793	12.406
#2	24.596	.24884	.98685	.98605	.97348	12.528
#3	24.593	.24953	.99307	.98235	.97158	12.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.663**	**1.0051**	**24.120**	**.98209**	**.95398**	**48.120**
Stddev	.398	.0033	.103	.00099	.00373	.312
%RSD	.83585	.32731	.42576	.10099	.39147	.64749
#1	47.542	1.0060	24.038	.98094	.95115	48.142
#2	48.109	1.0078	24.235	.98269	.95259	48.419
#3	47.340	1.0014	24.085	.98262	.95821	47.798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:28:24 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98821**	**.24560**	**.24851**	**.24584**	F **1.1959**	**.95015**
Stddev	.00341	.00065	.00138	.00185	.0109	.00285
%RSD	.34517	.26590	.55393	.75285	.90858	.29964
#1	.98665	.24564	.24839	.24668	1.2010	.94723
#2	.98585	.24624	.24720	.24713	1.2033	.95030
#3	.99212	.24493	.24994	.24372	1.1834	.95291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98929**	**.98135**	**.49597**	**.98615**	**.97958**
Stddev	.00757	.00179	.00077	.00245	.00199
%RSD	.76566	.18189	.15511	.24848	.20287
#1	.98475	.98098	.49509	.98480	.97967
#2	.99803	.98329	.49627	.98898	.97755
#3	.98508	.97978	.49654	.98468	.98152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1907.3**	**3655.4**	**53636.**	**4704.5**
Stddev	5.5	8.9	48.	10.8
%RSD	.29075	.24384	.08914	.22944
#1	1905.2	3656.1	53690.	4706.2
#2	1913.6	3663.9	53599.	4692.9
#3	1903.1	3646.1	53619.	4714.3

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:32:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49072**	**12.105**	**.25660**	**1.0006**	**.98745**	**1.0024**
Stddev	.00498	.135	.00064	.0033	.00823	.0086
%RSD	1.0143	1.1118	.24806	.33051	.83310	.85675
#1	.49622	12.092	.25692	.99844	.98331	.99508
#2	.48939	11.978	.25702	1.0044	.98211	1.0002
#3	.48654	12.246	.25587	.99894	.99693	1.0118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.623**	**.24836**	**.98593**	**.98722**	**.96691**	**12.484**
Stddev	.203	.00089	.00478	.00593	.00901	.104
%RSD	.82574	.35820	.48496	.60091	.93150	.83601
#1	24.470	.24759	.98261	.99325	.97646	12.409
#2	24.546	.24934	.99141	.98139	.96572	12.439
#3	24.854	.24817	.98377	.98702	.95857	12.603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.873**	**1.0054**	**24.216**	**.97877**	**.95266**	**48.388**
Stddev	.334	.0083	.297	.00483	.00396	.261
%RSD	.69832	.82314	1.2258	.49308	.41536	.53865
#1	47.618	.99996	23.984	.98422	.94875	48.221
#2	47.750	1.0013	24.113	.97504	.95666	48.253
#3	48.252	1.0149	24.550	.97706	.95258	48.688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/24/2021 5:32:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98377**	**.24314**	**.24673**	**.24102**	F **1.2191**	**.94593**
Stddev	.00413	.00166	.00164	.00140	.0121	.00281
%RSD	.41986	.68273	.66550	.58218	.99167	.29654
#1	.98205	.24368	.24628	.24256	1.2271	.94337
#2	.98848	.24127	.24855	.23981	1.2052	.94893
#3	.98078	.24446	.24537	.24070	1.2251	.94549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98660**	**.98212**	**.49671**	**.99023**	**.97544**
Stddev	.00905	.00515	.00202	.00795	.00398
%RSD	.91759	.52484	.40606	.80327	.40789
#1	.99015	.98797	.49502	.98253	.97318
#2	.97631	.97824	.49894	.98975	.98003
#3	.99333	.98014	.49617	.99842	.97310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1908.6**	**3654.1**	**53743.**	**4693.8**
Stddev	6.4	10.2	218.	44.3
%RSD	.33794	.27897	.40575	.94464
#1	1910.1	3659.2	53492.	4736.9
#2	1901.5	3642.4	53860.	4696.2
#3	1914.2	3660.7	53878.	4648.3

Sample Name: ICBIS Acquired: 11/24/2021 5:37:08 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00679**	**.00058**	**.00198**	**.00017**	**-.00004**
Stddev	.00048	.00669	.00104	.00039	.00016	.00002
%RSD	560.42	98.591	177.88	19.567	93.951	37.197
#1	-.00042	.00049	-.00060	.00173	.00004	-.00002
#2	.00055	-.00819	.00101	.00178	.00013	-.00005
#3	.00013	-.01267	.00134	.00242	.00035	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00249**	**.00004**	**.00001**	**.00044**	**.00031**	**.00126**
Stddev	.00510	.00004	.00008	.00044	.00040	.00274
%RSD	204.28	103.64	629.70	99.591	128.62	216.84
#1	.00068	.00008	.00007	.00036	.00018	-.00031
#2	.00021	.00001	.00005	.00091	-.00001	.00443
#3	-.00837	.00002	-.00008	.00004	.00075	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05629**	**.00165**	**.00053**	**-.00004**	**.00331**	**.01018**
Stddev	.02104	.00072	.03792	.00006	.00035	.00101
%RSD	37.375	43.794	7183.3	170.79	10.669	9.9145
#1	.05079	.00191	-.02152	-.00011	.00372	.00903
#2	.07953	.00222	.04431	-.00002	.00310	.01058
#3	.03855	.00084	-.02121	.00001	.00311	.01093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 11/24/2021 5:37:08 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00064**	**.00119**	**.00040**	**.00594**	**-.00063**
Stddev	.00022	.00033	.00072	.00094	.00885	.00082
%RSD	190.95	52.235	60.423	234.35	148.88	129.24
#1	.00031	-.00085	.00143	.00144	.01434	-.00036
#2	.00017	-.00025	.00176	-.00038	.00678	-.00155
#3	-.00013	-.00081	.00038	.00014	-.00329	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00299**	**.00012**	**.00166**	**.00164**	**-.00005**
Stddev	.00476	.00008	.00067	.00469	.00012
%RSD	158.94	66.558	40.453	285.76	265.52
#1	.00077	.00003	.00167	.00694	-.00002
#2	-.00834	.00019	.00233	-.00199	.00006
#3	-.00141	.00014	.00099	-.00002	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.5**	**3750.8**	**56122.**	**4756.3**
Stddev	5.2	6.1	55.	29.8
%RSD	.24363	.16216	.09726	.62682
#1	2113.8	3743.8	56082.	4742.7
#2	2115.2	3753.6	56099.	4790.5
#3	2123.4	3755.0	56184.	4735.8

Sample Name: ICVL 4543482 Acquired: 11/24/2021 5:41:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**.17664**	**.01017**	**.20321**	**.20029**	**.00408**
Stddev	.00026	.00566	.00153	.00084	.00098	.00010
%RSD	4.9245	3.2050	15.054	.41485	.49174	2.4364
#1	.00548	.17456	.01110	.20403	.19929	.00397
#2	.00506	.17231	.01100	.20326	.20126	.00415
#3	.00555	.18305	.00840	.20234	.20034	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0149**	**.00498**	**.04843**	**.00523**	**.02574**	**.10076**
Stddev	.0286	.00012	.00013	.00019	.00015	.00332
%RSD	.57028	2.4562	.27118	3.6189	.57512	3.2900
#1	4.9824	.00505	.04855	.00531	.02570	.09851
#2	5.0365	.00506	.04829	.00501	.02591	.09921
#3	5.0257	.00484	.04846	.00537	.02562	.10457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7563**	**.05055**	**5.0004**	**.01537**	**.04029**	**4.7466**
Stddev	.0363	.00044	.0413	.00020	.00023	.0249
%RSD	.76376	.86466	.82515	1.2730	.56030	.52500
#1	4.7946	.05008	4.9632	.01555	.04005	4.7294
#2	4.7518	.05094	4.9931	.01516	.04031	4.7352
#3	4.7223	.05063	5.0448	.01540	.04050	4.7752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4543482 Acquired: 11/24/2021 5:41:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03925**	**.00895**	**.01195**	**.00782**	**.59466**	**.09792**
Stddev	.00027	.00078	.00303	.00306	.02065	.00056
%RSD	.68683	8.7245	25.371	39.067	3.4733	.57546
#1	.03956	.00918	.00938	.00824	.57782	.09730
#2	.03910	.00808	.01119	.00458	.61771	.09840
#3	.03908	.00960	.01530	.01065	.58845	.09807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04463**	**.05064**	**.02029**	**.05421**	**.02022**
Stddev	.00625	.00036	.00105	.00091	.00014
%RSD	13.996	.71170	5.1613	1.6846	.68672
#1	.03764	.05060	.02149	.05393	.02013
#2	.04655	.05030	.01983	.05523	.02014
#3	.04968	.05102	.01955	.05346	.02038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2074.9**	**3733.0**	**55226.**	**4811.0**
Stddev	5.0	4.3	367.	23.6
%RSD	.24179	.11536	.66470	.48982
#1	2070.4	3732.8	55045.	4837.2
#2	2080.3	3737.4	55649.	4804.5
#3	2073.9	3728.8	54985.	4791.4

Sample Name: ICSA 4540660 Acquired: 11/24/2021 5:46:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**499.22**	**.00308**	**-.00335**	**.01317**	**-.00002**
Stddev	.00066	.99	.00265	.00067	.00021	.00008
%RSD	254.39	.19880	86.054	19.963	1.6051	313.68
#1	-.00047	499.32	.00418	-.00307	.01332	.00003
#2	-.00079	498.19	.00006	-.00412	.01325	.00001
#3	.00048	500.16	.00500	-.00287	.01293	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**464.94**	**.00002**	**.00054**	**.00128**	**.00083**	**182.12**
Stddev	2.94	.00016	.00050	.00024	.00091	.87
%RSD	.63169	870.47	92.225	18.842	109.04	.47779
#1	462.46	-.00015	.00106	.00105	.00083	181.82
#2	464.19	.00004	.00049	.00153	-.00007	181.44
#3	468.19	.00016	.00007	.00127	.00175	183.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10737**	**.00756**	**492.51**	**.00076**	**-.00157**	**.10092**
Stddev	.01289	.00230	2.45	.00007	.00097	.00948
%RSD	12.001	30.485	.49788	9.6556	61.840	9.3913
#1	.10432	.00971	491.38	.00072	-.00051	.09915
#2	.09628	.00783	490.83	.00084	-.00180	.09245
#3	.12151	.00513	495.33	.00072	-.00241	.11116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4540660 Acquired: 11/24/2021 5:46:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00593**	**.00013**	**-.00547**	**.00692**	**.00715**	**.00364**
Stddev	.00047	.00144	.00406	.00311	.02121	.00052
%RSD	7.8430	1077.7	74.222	44.906	296.57	14.336
#1	.00571	.00173	-.00119	.00514	.02737	.00357
#2	.00647	-.00107	-.00596	.01050	-.01493	.00419
#3	.00562	-.00025	-.00927	.00511	.00902	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01174**	**-.00054**	**-.00705**	**-.00279**	**.00088**
Stddev	.00301	.00013	.00172	.00825	.00033
%RSD	25.636	23.895	24.412	295.99	37.415
#1	.01330	-.00067	-.00745	.00532	.00105
#2	.01366	-.00041	-.00853	-.01117	.00050
#3	.00827	-.00056	-.00516	-.00252	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1597.0**	**3307.0**	**48659.**	**4633.7**
Stddev	2.7	4.3	81.	24.7
%RSD	.17026	.12997	.16637	.53311
#1	1598.9	3303.4	48569.	4655.2
#2	1593.9	3305.8	48684.	4639.2
#3	1598.1	3311.7	48726.	4606.7

Sample Name: ICSAB 4504561 Acquired: 11/24/2021 5:51:18 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0878**	**496.67**	**1.0400**	**9.9667**	**1.0087**	**.48971**
Stddev	.0015	2.48	.0083	.0241	.0056	.00362
%RSD	.14163	.49925	.79376	.24159	.56054	.73979
#1	1.0894	495.76	1.0418	9.9701	1.0058	.48815
#2	1.0864	494.78	1.0473	9.9889	1.0051	.48713
#3	1.0876	499.48	1.0310	9.9411	1.0152	.49385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**459.56**	**1.0252**	**.98093**	**.96070**	**1.0698**	**180.85**
Stddev	5.61	.0028	.00261	.00525	.0044	1.34
%RSD	1.2210	.27459	.26557	.54675	.40966	.74125
#1	455.08	1.0255	.98245	.96676	1.0739	180.77
#2	457.74	1.0278	.98241	.95776	1.0652	179.55
#3	465.85	1.0222	.97792	.95757	1.0704	182.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.241**	**1.0966**	**492.64**	**.95291**	**.90745**	**10.360**
Stddev	.079	.0036	3.30	.00459	.00235	.091
%RSD	.76914	.33028	.66924	.48151	.25854	.87787
#1	10.190	1.0950	490.80	.95821	.90773	10.320
#2	10.201	1.0940	490.67	.95026	.90964	10.296
#3	10.332	1.1007	496.45	.95027	.90497	10.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4504561 Acquired: 11/24/2021 5:51:18 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96943**	**.96437**	**.95054**	**.99487**	**9.9102**	**.87703**
Stddev	.00362	.00473	.00311	.00665	.1100	.00050
%RSD	.37345	.49048	.32714	.66806	1.1097	.05725
#1	.96881	.95983	.95121	.99908	9.8397	.87661
#2	.97332	.96927	.95326	.99833	9.8539	.87758
#3	.96616	.96402	.94715	.98721	10.037	.87689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94912**	**.98963**	**.90552**	**.95310**	**.88649**
Stddev	.01276	.00370	.00632	.00458	.00288
%RSD	1.3439	.37392	.69807	.48023	.32446
#1	.95396	.99361	.91280	.94900	.88589
#2	.93466	.98897	.90140	.95804	.88962
#3	.95876	.98630	.90237	.95225	.88396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1592.3**	**3323.8**	**48323.**	**4623.9**
Stddev	3.1	7.4	119.	36.2
%RSD	.19603	.22274	.24535	.78349
#1	1593.8	3327.8	48192.	4660.7
#2	1588.7	3315.3	48356.	4622.7
#3	1594.4	3328.4	48422.	4588.3

Sample Name: CCVHI 4493023 Acquired: 11/24/2021 5:55:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**300.43**	**.00631**	**.00376**	**10.052**	**.00006**
Stddev	.00013	2.00	.00170	.00039	.072	.00014
%RSD	133.97	.66706	26.980	10.515	.71169	226.39
#1	.00019	298.80	.00816	.00378	10.003	.00020
#2	-.00005	299.83	.00594	.00414	10.020	.00007
#3	.00015	302.67	.00482	.00335	10.134	-.00008
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**288.92**	**-.00026**	**-.00265**	**9.6948**	**10.820**	**233.07**
Stddev	1.77	.00018	.00026	.0177	.057	1.78
%RSD	.61329	70.293	9.8278	.18266	.52457	.76584
#1	288.18	-.00028	-.00294	9.7016	10.827	231.95
#2	287.64	-.00007	-.00244	9.7082	10.761	232.13
#3	290.94	-.00043	-.00256	9.6747	10.874	235.13
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07771**	**.00540**	**300.90**	**9.1253**	**-.00012**	**.10452**
Stddev	.04189	.00033	2.64	.0402	.00035	.00709
%RSD	53.908	6.1626	.87852	.44097	281.46	6.7873
#1	.11349	.00568	299.94	9.1347	-.00046	.09655
#2	.03163	.00550	298.88	9.1600	.00023	.10688
#3	.08802	.00503	303.89	9.0812	-.00013	.11014
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CCVHI 4493023 Acquired: 11/24/2021 5:55:46 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**9.7467**	**-.00207**	**.00206**	**10.120**	**.00199**
Stddev	.00068	.1202	.00470	.00373	.110	.00067
%RSD	18.567	1.2330	226.46	180.48	1.0888	33.766
#1	.00431	9.8854	-.00724	.00293	10.048	.00275
#2	.00366	9.6764	-.00091	-.00202	10.064	.00146
#3	.00296	9.6782	.00193	.00528	10.246	.00176
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	**-.00010**	**-.00383**	**.00545**	**9.2228**
Stddev	.00597	.00012	.00380	.00141	.1144
%RSD	35.095	126.55	99.342	25.949	1.2401
#1	.01408	-.00020	-.00587	.00608	9.3540
#2	.01305	.00004	.00056	.00644	9.1443
#3	.02386	-.00013	-.00618	.00383	9.1700
Check ?	None	None	None	None	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1680.3**	**3376.3**	**50118.**	**4652.9**
Stddev	19.8	34.6	32.	26.8
%RSD	1.1800	1.0241	.06433	.57674
#1	1657.4	3336.5	50082.	4660.1
#2	1691.8	3398.5	50143.	4675.3
#3	1691.8	3394.0	50131.	4623.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:00:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99324**	**24.194**	**.49880**	**1.9948**	**1.9335**	**1.9848**
Stddev	.00385	.158	.00431	.0164	.0081	.0106
%RSD	.38767	.65141	.86498	.82394	.41993	.53631
#1	.98904	24.014	.50361	2.0135	1.9241	1.9737
#2	.99407	24.310	.49751	1.9885	1.9387	1.9950
#3	.99661	24.257	.49527	1.9825	1.9376	1.9857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.791**	**.50007**	**2.0210**	**1.9396**	**1.9455**	**24.340**
Stddev	.297	.00346	.0194	.0034	.0056	.138
%RSD	.60873	.69092	.95878	.17369	.28799	.56610
#1	48.468	.50369	2.0429	1.9360	1.9392	24.196
#2	49.052	.49971	2.0138	1.9426	1.9473	24.471
#3	48.854	.49681	2.0062	1.9404	1.9499	24.353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.12**	**2.0209**	**47.905**	**1.9163**	**1.9344**	**120.35**
Stddev	.56	.0105	.325	.0039	.0096	.52
%RSD	.47670	.52173	.67921	.20132	.49787	.43157
#1	117.52	2.0087	47.596	1.9120	1.9450	119.76
#2	118.63	2.0273	48.245	1.9195	1.9319	120.72
#3	118.21	2.0266	47.874	1.9174	1.9263	120.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:00:30 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0137**	**.50244**	**.49095**	**.49162**	**1.9599**	**1.8719**
Stddev	.0200	.00456	.00434	.00209	.0125	.0147
%RSD	.99254	.90816	.88470	.42494	.63655	.78746
#1	2.0366	.50771	.49360	.49249	1.9686	1.8890
#2	2.0047	.49963	.49331	.49314	1.9654	1.8634
#3	1.9997	.49999	.48594	.48924	1.9456	1.8635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9367**	**1.9575**	**.96225**	**1.9733**	**1.9425**
Stddev	.0139	.0040	.00197	.0148	.0162
%RSD	.71671	.20628	.20436	.74812	.83384
#1	1.9208	1.9535	.96432	1.9578	1.9607
#2	1.9466	1.9616	.96203	1.9872	1.9371
#3	1.9426	1.9573	.96041	1.9748	1.9297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1804.3**	**3595.3**	**52941.**	**4740.0**
Stddev	14.7	22.7	284.	38.9
%RSD	.81668	.63094	.53611	.82123
#1	1787.6	3570.2	53265.	4777.6
#2	1809.5	3601.4	52738.	4699.9
#3	1815.6	3614.3	52819.	4742.5

Sample Name: CCB1 Acquired: 11/24/2021 6:04:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00113**	**.00001**	**.00449**	**.00013**	**-.00008**
Stddev	.00041	.02352	.00051	.00014	.00011	.00005
%RSD	2599.1	2073.6	5341.1	3.0853	87.939	65.064
#1	-.00049	-.02308	.00033	.00437	.00015	-.00013
#2	.00029	.02369	.00028	.00465	.00001	-.00004
#3	.00015	-.00401	-.00058	.00446	.00023	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**.00006**	**.00007**	**.00037**	**.00036**	**.00079**
Stddev	.00268	.00010	.00011	.00050	.00035	.00157
%RSD	104.87	154.77	149.88	137.44	96.103	199.54
#1	-.00427	-.00003	.00007	-.00017	.00067	.00207
#2	.00053	.00005	.00018	.00043	-.00001	.00125
#3	-.00394	.00016	-.00003	.00083	.00042	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09666**	**.00195**	**.00119**	**.00001**	**.00467**	**.01267**
Stddev	.01642	.00126	.02497	.00001	.00065	.00556
%RSD	16.987	64.599	2095.6	71.816	13.923	43.896
#1	.07771	.00053	.02767	.00001	.00535	.01901
#2	.10659	.00294	-.02194	.00000	.00460	.01033
#3	.10569	.00239	-.00216	.00002	.00406	.00865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 11/24/2021 6:04:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00077**	**.00061**	**-.00267**	**.01014**	**-.00094**
Stddev	.00041	.00231	.00044	.00182	.00384	.00069
%RSD	471.06	301.53	71.268	68.194	37.910	73.101
#1	.00013	-.00161	.00077	-.00425	.00607	-.00050
#2	-.00034	-.00253	.00012	-.00309	.01371	-.00173
#3	.00047	.00185	.00095	-.00068	.01064	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**.00030**	**.00139**	**-.00127**	**.00019**
Stddev	.00348	.00001	.00073	.00480	.00020
%RSD	137.95	2.6246	52.846	378.56	105.62
#1	-.00317	.00031	.00171	-.00367	.00026
#2	-.00564	.00030	.00055	.00426	-.00004
#3	.00123	.00029	.00191	-.00440	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.7**	**3757.1**	**55683.**	**4781.7**
Stddev	5.5	11.6	747.	37.9
%RSD	.25762	.30836	1.3419	.79183
#1	2111.8	3744.0	54823.	4800.3
#2	2118.6	3761.0	56172.	4738.1
#3	2122.6	3766.2	56054.	4806.6

Sample Name: MB 180-379945/1-A Acquired: 11/24/2021 6:09:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.01982**	**.00033**	**.00336**	**-.00004**	**-.00007**
Stddev	.00048	.00612	.00293	.00077	.00020	.00011
%RSD	51289.	30.888	900.64	22.831	461.22	164.79
#1	.00014	-.02413	.00041	.00372	.00015	-.00011
#2	.00039	-.01281	-.00264	.00389	-.00026	.00006
#3	-.00054	-.02253	.00321	.00248	-.00002	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00015**	**.00010**	**.00022**	**.00006**	**.00131**
Stddev	.00435	.00004	.00012	.00024	.00036	.00113
%RSD	671.83	29.033	115.35	108.81	608.42	86.037
#1	.00177	.00010	-.00002	-.00004	.00047	.00086
#2	.00433	.00015	.00012	.00026	-.00010	.00048
#3	-.00415	.00019	.00022	.00042	-.00019	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06171**	**.00168**	**-.03525**	**-.00001**	**.00181**	**-.01112**
Stddev	.04763	.00138	.00837	.00002	.00032	.00501
%RSD	77.180	82.133	23.734	234.83	17.576	45.034
#1	.10315	.00231	-.04098	.00000	.00205	-.01079
#2	.07230	.00264	-.02565	.00000	.00145	-.00629
#3	.00968	.00010	-.03911	-.00003	.00194	-.01629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379945/1-A Acquired: 11/24/2021 6:09:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00065**	**.00061**	**-.00289**	**.00849**	**-.00105**
Stddev	.00022	.00061	.00181	.00251	.00692	.00045
%RSD	113.76	94.195	297.54	86.792	81.505	42.521
#1	-.00003	-.00084	.00226	-.00530	.00082	-.00145
#2	.00041	-.00114	.00088	-.00306	.01038	-.00057
#3	.00020	.00004	-.00132	-.00030	.01427	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00354**	**.00013**	**-.00083**	**.00109**	**-.00009**
Stddev	.00707	.00017	.00159	.00536	.00007
%RSD	200.04	129.27	192.18	492.71	77.924
#1	-.00124	.00030	-.00259	-.00199	-.00015
#2	-.01147	-.00003	.00051	-.00203	-.00010
#3	.00210	.00012	-.00041	.00727	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2115.1**	**3767.9**	**55702.**	**4834.1**
Stddev	5.2	5.5	434.	33.8
%RSD	.24558	.14495	.77991	.69831
#1	2110.0	3761.6	55966.	4795.2
#2	2115.0	3771.0	55200.	4852.4
#3	2120.4	3771.2	55938.	4854.8

Sample Name: LCS 180-379945/2-A Acquired: 11/24/2021 6:14:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25145**	**5.0670**	**1.0492**	**1.3643**	**1.0019**	**.51442**
Stddev	.00059	.0352	.0014	.0047	.0063	.00403
%RSD	.23659	.69534	.13495	.34576	.62949	.78397
#1	.25081	5.0955	1.0508	1.3654	.99917	.51361
#2	.25198	5.0779	1.0485	1.3684	1.0091	.51880
#3	.25157	5.0276	1.0482	1.3592	.99740	.51086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.452**	**.50836**	**.50197**	**.49577**	**.50265**	**5.1097**
Stddev	.150	.00191	.00121	.00096	.00209	.0352
%RSD	.59004	.37571	.24082	.19314	.41529	.68977
#1	25.425	.50759	.50323	.49612	.50276	5.1127
#2	25.613	.51054	.50081	.49468	.50467	5.1434
#3	25.317	.50696	.50188	.49650	.50050	5.0731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.705**	**.51751**	**24.852**	**.49390**	**.49350**	**25.224**
Stddev	.193	.00339	.242	.00111	.00127	.223
%RSD	.78082	.65439	.97230	.22454	.25720	.88304
#1	24.658	.51570	24.944	.49486	.49255	25.222
#2	24.917	.52142	25.035	.49415	.49494	25.448
#3	24.540	.51542	24.578	.49268	.49301	25.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379945/2-A Acquired: 11/24/2021 6:14:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49799**	**.48778**	**.24691**	**1.0329**	**1.0543**	**.97047**
Stddev	.00092	.00214	.00075	.0052	.0098	.00121
%RSD	.18427	.43861	.30357	.50190	.92527	.12424
#1	.49905	.49016	.24617	1.0326	1.0506	.97035
#2	.49750	.48716	.24767	1.0382	1.0653	.97173
#3	.49742	.48601	.24689	1.0278	1.0468	.96933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49555**	**.50882**	**.99154**	**.50440**	**.25358**
Stddev	.00441	.00094	.00172	.00439	.00071
%RSD	.88950	.18528	.17377	.86948	.27966
#1	.49481	.50978	.98957	.50510	.25352
#2	.50029	.50789	.99232	.50839	.25432
#3	.49156	.50878	.99274	.49970	.25290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1943.0**	**3650.0**	**54738.**	**4827.9**
Stddev	4.2	7.7	141.	31.8
%RSD	.21556	.21125	.25817	.65800
#1	1938.4	3648.8	54635.	4834.5
#2	1946.6	3643.0	54680.	4793.4
#3	1943.9	3658.3	54899.	4855.9

Sample Name: LB 180-379744/1-C Acquired: 11/24/2021 6:18:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.01482**	**.00236**	**.00659**	**-.00008**	**.00003**
Stddev	.00005	.01874	.00149	.00047	.00020	.00010
%RSD	20.393	126.41	63.313	7.0959	258.88	299.58
#1	.00027	-.01797	.00252	.00675	-.00030	.00009
#2	.00018	.00529	.00377	.00607	.00010	.00010
#3	.00021	-.03179	.00079	.00696	-.00003	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.00012**	**.00072**	**.00080**	**-.00142**	**.00235**
Stddev	.00204	.00005	.00003	.00075	.00056	.00398
%RSD	19.530	40.968	4.2063	93.231	39.282	169.26
#1	.00850	.00016	.00075	.00021	-.00104	.00555
#2	.01029	.00013	.00070	.00164	-.00116	.00363
#3	.01257	.00006	.00070	.00055	-.00206	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16935**	**.00515**	**-.03405**	**.00008**	**.00168**	F **192.95**
Stddev	.02111	.00046	.04498	.00000	.00014	.99
%RSD	12.464	9.0182	132.11	5.1298	8.6320	.51221
#1	.14868	.00512	.00922	.00008	.00184	193.91
#2	.16850	.00470	-.08057	.00007	.00162	191.94
#3	.19087	.00563	-.03080	.00008	.00157	193.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: LB 180-379744/1-C Acquired: 11/24/2021 6:18:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00111**	**.00188**	**.00223**	**.00501**	**-.00086**
Stddev	.00079	.00097	.00060	.00398	.01046	.00033
%RSD	323.36	87.747	32.056	178.10	208.72	37.709
#1	.00048	-.00073	.00255	.00366	-.00049	-.00049
#2	.00089	-.00221	.00166	.00530	.01708	-.00105
#3	-.00064	-.00038	.00141	-.00226	-.00155	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00012**	**-.00119**	**.00271**	**.00035**
Stddev	.00254	.00019	.00047	.00423	.00037
%RSD	195.14	155.28	39.698	155.93	106.10
#1	-.00081	.00034	-.00099	.00542	-.00005
#2	.00412	.00006	-.00085	-.00216	.00068
#3	.00060	-.00003	-.00173	.00488	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1896.6**	**3597.4**	**53358.**	**4805.5**
Stddev	6.1	10.9	144.	18.4
%RSD	.32357	.30310	.27074	.38232
#1	1890.2	3584.8	53522.	4786.1
#2	1897.2	3603.2	53248.	4822.6
#3	1902.4	3604.2	53305.	4807.8

Sample Name: 180-130173-A-1-F Acquired: 11/24/2021 6:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00272**	**.00209**	**.02101**	**.15451**	**.00008**
Stddev	.00040	.03302	.00128	.00024	.00021	.00004
%RSD	5611.2	1215.9	61.135	1.1242	.13509	47.878
#1	.00043	.00275	.00306	.02128	.15463	.00012
#2	-.00005	-.03032	.00064	.02093	.15464	.00008
#3	-.00036	.03572	.00257	.02083	.15427	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.882**	**.00039**	**.00049**	**-.00001**	**-.00046**	**.00200**
Stddev	.029	.00010	.00046	.00031	.00081	.00223
%RSD	.21120	24.722	93.453	2411.5	175.89	111.58
#1	13.849	.00044	-.00002	.00011	-.00040	.00449
#2	13.894	.00028	.00085	.00022	.00032	.00018
#3	13.905	.00046	.00063	-.00037	-.00131	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48033**	**.00440**	**2.5904**	**.07453**	**.00092**	**134.65**
Stddev	.02262	.00134	.0496	.00014	.00014	.10
%RSD	4.7083	30.442	1.9154	.19274	15.121	.07780
#1	.49813	.00286	2.5675	.07469	.00096	134.77
#2	.48798	.00505	2.5564	.07445	.00103	134.60
#3	.45489	.00530	2.6474	.07444	.00076	134.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130173-A-1-F Acquired: 11/24/2021 6:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.00053**	**.00234**	**-.00261**	**.69947**	**-.00090**
Stddev	.00051	.00125	.00115	.00377	.02930	.00099
%RSD	23.498	234.36	49.182	144.43	4.1882	109.97
#1	.00162	-.00037	.00163	.00048	.69240	-.00056
#2	.00262	.00196	.00367	-.00681	.67436	-.00202
#3	.00222	.00002	.00172	-.00149	.73166	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04239**	**.00001**	**-.00024**	**-.00114**	**.05104**
Stddev	.00236	.00019	.00143	.00199	.00020
%RSD	5.5741	3488.8	599.68	175.19	.38311
#1	.04352	-.00021	-.00006	.00024	.05126
#2	.04398	.00005	-.00175	-.00342	.05089
#3	.03968	.00017	.00110	-.00023	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1924.4**	**3634.2**	**53694.**	**4753.1**
Stddev	4.5	4.4	209.	36.8
%RSD	.23411	.12164	.38928	.77376
#1	1926.5	3638.5	53453.	4794.3
#2	1927.4	3634.5	53797.	4741.3
#3	1919.2	3629.7	53832.	4723.7

Sample Name: 180-130245-A-1-F Acquired: 11/24/2021 6:27:50 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00157**	**.00896**	**.16192**	**2.5630**	**-.00001**
Stddev	.00018	.01465	.00127	.00112	.0103	.00004
%RSD	147.39	935.55	14.137	.69019	.40084	774.51
#1	.00016	.00676	.00885	.16311	2.5748	.00001
#2	-.00007	.01291	.00775	.16176	2.5579	-.00005
#3	.00029	-.01497	.01027	.16089	2.5562	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**256.60**	**.00047**	**.00187**	**.00386**	**-.00189**	**11.181**
Stddev	1.09	.00008	.00019	.00065	.00069	.072
%RSD	.42389	16.109	10.200	16.851	36.314	.64638
#1	257.84	.00048	.00205	.00458	-.00234	11.265
#2	255.83	.00054	.00167	.00368	-.00224	11.138
#3	256.12	.00039	.00190	.00332	-.00110	11.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4859**	**.06941**	**2.5171**	**.47214**	**.00024**	F **323.43**
Stddev	.0076	.00096	.0077	.00300	.00021	.88
%RSD	.51243	1.3827	.30561	.63478	89.240	.27234
#1	1.4786	.06872	2.5250	.46927	.00037	323.41
#2	1.4852	.07051	2.5166	.47525	-.00001	324.32
#3	1.4938	.06901	2.5097	.47191	.00035	322.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130245-A-1-F Acquired: 11/24/2021 6:27:50 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03848**	**.00217**	**-.00050**	**.00851**	**.04061**	**.00111**
Stddev	.00015	.00119	.00030	.00306	.00933	.00105
%RSD	.37687	54.909	59.708	35.904	22.963	94.942
#1	.03831	.00343	-.00071	.01199	.03345	.00228
#2	.03854	.00106	-.00064	.00728	.05116	.00023
#3	.03859	.00201	-.00016	.00626	.03723	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **35.037**	**-.00134**	**-.00466**	**-.00049**	**.21495**
Stddev	.108	.00013	.00110	.00519	.00053
%RSD	.30750	9.4615	23.623	1051.2	.24691
#1	35.103	-.00121	-.00360	.00193	.21545
#2	35.095	-.00135	-.00580	-.00645	.21439
#3	34.912	-.00146	-.00460	.00304	.21501
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.0000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1721.6**	**3346.3**	**49515.**	**4570.6**
Stddev	7.8	13.0	386.	8.6
%RSD	.45120	.38717	.77972	.18772
#1	1713.2	3331.6	49930.	4561.2
#2	1723.2	3351.6	49166.	4578.1
#3	1728.5	3355.8	49451.	4572.3

Sample Name: 180-130288-A-1-E Acquired: 11/24/2021 6:32:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.12406**	**.00374**	**.01874**	**.66078**	**.00002**
Stddev	.00065	.00783	.00112	.00015	.00363	.00015
%RSD	1997.0	6.3101	29.916	.79341	.54963	663.86
#1	.00019	.12634	.00251	.01890	.65709	.00004
#2	-.00068	.11535	.00402	.01871	.66090	.00016
#3	.00059	.13050	.00470	.01861	.66435	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7311**	**.00007**	**.00151**	**.00030**	**.01609**	**.02430**
Stddev	.0113	.00011	.00023	.00015	.00027	.00118
%RSD	.65054	156.76	15.214	49.661	1.6609	4.8536
#1	1.7182	.00019	.00132	.00025	.01581	.02374
#2	1.7360	-.00002	.00146	.00018	.01633	.02351
#3	1.7391	.00004	.00177	.00046	.01614	.02565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37773**	**.01554**	**.09443**	**.06923**	**-.00002**	**133.60**
Stddev	.05423	.00173	.03703	.00022	.00016	.66
%RSD	14.356	11.120	39.212	.31842	655.39	.49774
#1	.34635	.01746	.09293	.06899	.00015	132.87
#2	.34650	.01506	.13218	.06943	-.00017	133.77
#3	.44035	.01410	.05817	.06926	-.00005	134.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130288-A-1-E Acquired: 11/24/2021 6:32:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00437**	**.00219**	**-.00370**	**.11895**	**-.00034**
Stddev	.00029	.00131	.00080	.00143	.01259	.00115
%RSD	20.791	29.912	36.700	38.705	10.580	341.61
#1	.00111	.00587	.00309	-.00304	.11204	-.00138
#2	.00143	.00357	.00154	-.00272	.13348	.00090
#3	.00170	.00366	.00194	-.00535	.11134	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33299**	**.00049**	**.00007**	**.00217**	**.06397**
Stddev	.00442	.00003	.00079	.00214	.00024
%RSD	1.3262	5.5824	1112.5	98.675	.37556
#1	.32880	.00051	-.00006	-.00029	.06383
#2	.33258	.00046	.00092	.00320	.06424
#3	.33760	.00049	-.00065	.00362	.06383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1947.2**	**3662.5**	**54214.**	**4799.4**
Stddev	2.5	7.5	134.	9.0
%RSD	.12931	.20478	.24706	.18838
#1	1950.1	3664.9	54141.	4789.4
#2	1945.8	3654.1	54368.	4806.8
#3	1945.7	3668.5	54132.	4802.1

Sample Name: 180-130290-A-1-E Acquired: 11/24/2021 6:37:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01076**	**.00264**	**.00972**	**.08988**	**-.00001**
Stddev	.00044	.01470	.00125	.00058	.00033	.00013
%RSD	101.40	136.59	47.393	5.9319	.36804	1981.2
#1	-.00007	.01853	.00281	.00979	.08992	.00008
#2	.00068	.01994	.00132	.00911	.08953	-.00015
#3	.00069	-.00619	.00380	.01025	.09019	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.377**	**.00974**	**.00253**	**.00037**	**-.00072**	**3.0134**
Stddev	.139	.00004	.00018	.00024	.00051	.0049
%RSD	.30059	.37728	6.9412	64.622	71.359	.16206
#1	46.342	.00973	.00232	.00023	-.00058	3.0085
#2	46.257	.00978	.00264	.00023	-.00128	3.0183
#3	46.530	.00971	.00261	.00065	-.00028	3.0135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39710**	**.00643**	**.71380**	**.43360**	**.02182**	**129.65**
Stddev	.01987	.00029	.01616	.00080	.00011	.35
%RSD	5.0034	4.5861	2.2646	.18556	.50969	.27009
#1	.41058	.00673	.73179	.43286	.02194	129.72
#2	.37428	.00640	.70050	.43445	.02180	129.28
#3	.40644	.00614	.70910	.43349	.02172	129.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130290-A-1-E Acquired: 11/24/2021 6:37:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.00010**	**-.00015**	**-.00288**	**.32964**	**-.00034**
Stddev	.00040	.00097	.00088	.00232	.00165	.00053
%RSD	19.678	991.50	587.55	80.565	.50197	157.41
#1	.00159	-.00100	.00002	-.00305	.32786	-.00039
#2	.00215	.00087	-.00110	-.00048	.33114	.00022
#3	.00237	.00042	.00063	-.00510	.32992	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05946**	**.00002**	**.00019**	**.00288**	**1.5221**
Stddev	.00467	.00009	.00128	.00114	.0178
%RSD	7.8481	503.18	683.57	39.445	1.1669
#1	.05577	-.00007	-.00042	.00162	1.5088
#2	.06471	.00001	.00166	.00319	1.5423
#3	.05791	.00011	-.00068	.00382	1.5153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1877.4**	**3579.1**	**53531.**	**4824.1**
Stddev	17.7	34.4	167.	5.6
%RSD	.94316	.96193	.31106	.11544
#1	1894.7	3609.6	53708.	4822.3
#2	1859.3	3541.8	53507.	4830.3
#3	1878.2	3586.0	53378.	4819.6

Sample Name: 180-130314-A-1-C Acquired: 11/24/2021 6:41:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00961**	**.00412**	**.03531**	**.41656**	**.00004**
Stddev	.00021	.01079	.00026	.00026	.00182	.00007
%RSD	87.704	112.32	6.3431	.74903	.43585	196.65
#1	-.00043	.01875	.00421	.03548	.41865	.00009
#2	-.00027	-.00230	.00432	.03545	.41539	-.00004
#3	-.00002	.01237	.00382	.03501	.41564	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.007**	**.00040**	**.00064**	**.00007**	**-.00059**	**.00097**
Stddev	.320	.00007	.00010	.00049	.00047	.00202
%RSD	.43202	16.498	15.961	735.53	79.736	208.94
#1	74.369	.00032	.00072	.00063	-.00113	.00065
#2	73.763	.00042	.00068	-.00023	-.00035	.00313
#3	73.891	.00045	.00053	-.00020	-.00029	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52966**	**.01024**	**1.0044**	**.02882**	**.00041**	**136.81**
Stddev	.01897	.00081	.0119	.00017	.00029	.87
%RSD	3.5808	7.9538	1.1806	.59187	69.942	.63695
#1	.51133	.00930	.99090	.02865	.00014	137.79
#2	.54921	.01080	1.0090	.02882	.00072	136.12
#3	.52845	.01061	1.0132	.02899	.00039	136.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130314-A-1-C Acquired: 11/24/2021 6:41:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00074**	**.00240**	**-.00062**	**.06689**	**-.00102**
Stddev	.00044	.00091	.00137	.00360	.01172	.00047
%RSD	58.150	123.52	57.164	576.47	17.520	45.773
#1	.00035	.00004	.00352	.00021	.07966	-.00050
#2	.00071	.00040	.00087	.00249	.05663	-.00118
#3	.00123	.00177	.00280	-.00457	.06438	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10191**	**.00007**	**.00076**	**.00121**	**.16229**
Stddev	.00057	.00017	.00026	.00350	.00044
%RSD	.56035	240.25	33.523	288.61	.26852
#1	.10255	.00024	.00105	.00436	.16272
#2	.10173	-.00010	.00069	-.00255	.16229
#3	.10145	.00007	.00055	.00182	.16185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1864.8**	**3542.7**	**53185.**	**4802.6**
Stddev	3.9	6.2	201.	29.9
%RSD	.21139	.17466	.37704	.62342
#1	1861.5	3540.5	53397.	4786.9
#2	1863.6	3537.9	53159.	4837.2
#3	1869.2	3549.7	52999.	4783.8

Sample Name: LB 180-379744/23-C Acquired: 11/24/2021 6:46:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00875**	**.00018**	**.00063**	**.00028**	**-.00004**
Stddev	.00027	.02163	.00066	.00017	.00006	.00004
%RSD	330.36	247.18	369.19	26.372	20.200	96.261
#1	.00039	.01375	-.00039	.00068	.00026	-.00001
#2	-.00002	-.01060	.00090	.00076	.00035	-.00008
#3	-.00012	-.02940	.00002	.00044	.00024	-.00002
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01617**	**.00013**	**.00007**	**.00050**	**.00038**	**-.00109**
Stddev	.00254	.00006	.00024	.00036	.00024	.00232
%RSD	15.712	43.075	323.32	70.998	63.349	213.17
#1	.01490	.00019	.00016	.00009	.00065	-.00027
#2	.01452	.00010	.00026	.00072	.00020	-.00371
#3	.01910	.00010	-.00020	.00070	.00029	.00071
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06142**	**.00246**	**-.02680**	**.00008**	**-.00019**	**.06874**
Stddev	.03002	.00094	.02733	.00007	.00011	.00510
%RSD	48.872	38.099	101.98	78.363	54.815	7.4192
#1	.07080	.00316	-.00230	.00015	-.00008	.07456
#2	.02783	.00282	-.05627	.00008	-.00030	.06508
#3	.08562	.00139	-.02182	.00002	-.00020	.06657
Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Sample Name: LB 180-379744/23-C Acquired: 11/24/2021 6:46:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00018**	**.00166**	**-.00260**	**.00900**	**.00001**
Stddev	.00067	.00066	.00136	.00117	.00842	.00100
%RSD	1403.4	360.09	82.123	45.103	93.506	16515.
#1	-.00072	-.00050	.00098	-.00304	.00419	.00082
#2	.00034	.00022	.00322	-.00127	.00409	.00030
#3	.00052	.00083	.00077	-.00348	.01872	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00229**	**.00008**	**.00001**	**.00546**	**.00044**
Stddev	.00369	.00012	.00049	.00182	.00017
%RSD	161.53	146.54	5865.6	33.318	39.252
#1	-.00023	.00019	-.00025	.00498	.00062
#2	-.00655	.00010	-.00030	.00747	.00027
#3	-.00008	-.00004	.00057	.00393	.00044
Check ?	None	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2130.9**	**3772.6**	**56610.**	**4880.6**
Stddev	5.2	2.6	175.	30.7
%RSD	.24537	.06905	.30863	.62991
#1	2124.9	3769.7	56627.	4852.4
#2	2133.9	3774.7	56428.	4876.1
#3	2133.9	3773.4	56776.	4913.3

Sample Name: 180-130267-A-1-K Acquired: 11/24/2021 6:51:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00394**	**.00316**	**.05777**	**.45479**	**-.00009**
Stddev	.00001	.00675	.00310	.00066	.00263	.00012
%RSD	81.345	171.31	97.872	1.1412	.57914	139.04
#1	.00001	.00169	-.00027	.05766	.45182	-.00021
#2	.00000	-.00140	.00573	.05717	.45683	.00003
#3	.00002	.01153	.00403	.05848	.45573	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **178.31**	**.00046**	**.00263**	**.00000**	**.00152**	**-.00149**
Stddev	.64	.00015	.00007	.00039	.00030	.00106
%RSD	.35897	32.177	2.5258	10498.	19.814	70.960
#1	177.59	.00061	.00261	.00041	.00122	-.00060
#2	178.56	.00043	.00258	-.00003	.00151	-.00122
#3	178.80	.00032	.00271	-.00037	.00182	-.00266
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26680**	**.00373**	**2.0105**	**.18333**	**.00018**	**1.7414**
Stddev	.02022	.00052	.0247	.00016	.00027	.0221
%RSD	7.5802	13.876	1.2278	.08503	151.46	1.2666
#1	.25593	.00337	1.9891	.18333	.00047	1.7259
#2	.25433	.00349	2.0375	.18349	-.00005	1.7667
#3	.29013	.00432	2.0050	.18317	.00011	1.7317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K Acquired: 11/24/2021 6:51:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00082**	**.00175**	**-.00168**	**.13581**	**-.00045**
Stddev	.00014	.00188	.00029	.00316	.00942	.00049
%RSD	6.6750	229.28	16.478	187.68	6.9391	108.72
#1	.00206	.00298	.00142	-.00453	.12509	.00010
#2	.00210	-.00011	.00186	.00172	.13953	-.00084
#3	.00233	-.00041	.00196	-.00224	.14279	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22117**	**-.00016**	**.00126**	**.00057**	**.12246**
Stddev	.00429	.00007	.00103	.00551	.00070
%RSD	1.9389	42.377	82.041	966.58	.57166
#1	.22189	-.00008	.00099	-.00552	.12184
#2	.21657	-.00021	.00038	.00203	.12322
#3	.22505	-.00019	.00239	.00520	.12232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1937.9**	**3604.9**	**54085.**	**4806.4**
Stddev	1.7	3.9	224.	10.6
%RSD	.08660	.10957	.41368	.21964
#1	1938.9	3607.5	53930.	4816.3
#2	1935.9	3606.9	53982.	4795.3
#3	1938.8	3600.4	54341.	4807.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:55:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99218**	**24.224**	**.49449**	**1.9825**	**1.9462**	**1.9924**
Stddev	.00207	.123	.00258	.0039	.0019	.0065
%RSD	.20899	.50961	.52269	.19465	.09745	.32520
#1	.99123	24.330	.49731	1.9859	1.9468	1.9967
#2	.99456	24.252	.49392	1.9783	1.9441	1.9850
#3	.99075	24.088	.49224	1.9832	1.9477	1.9957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.975**	**.49632**	**2.0041**	**1.9328**	**1.9448**	**24.433**
Stddev	.130	.00114	.0040	.0045	.0052	.095
%RSD	.26541	.22917	.20078	.23128	.26548	.39001
#1	49.124	.49623	1.9996	1.9366	1.9417	24.433
#2	48.913	.49523	2.0054	1.9339	1.9507	24.338
#3	48.888	.49750	2.0073	1.9279	1.9418	24.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.06**	**2.0310**	**48.152**	**1.9119**	**1.9193**	**121.13**
Stddev	.74	.0022	.152	.0040	.0043	.73
%RSD	.62506	.11058	.31554	.20684	.22654	.59876
#1	119.41	2.0310	48.236	1.9123	1.9173	121.32
#2	118.21	2.0332	47.976	1.9156	1.9164	120.33
#3	119.57	2.0287	48.242	1.9077	1.9243	121.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 6:55:52 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0000**	**.49729**	**.48836**	**.49164**	**1.9606**	**1.8561**
Stddev	.0026	.00219	.00085	.00170	.0182	.0037
%RSD	.13185	.43960	.17399	.34493	.92753	.20157
#1	1.9973	.49481	.48869	.49355	1.9404	1.8518
#2	2.0003	.49808	.48899	.49032	1.9660	1.8581
#3	2.0025	.49897	.48740	.49104	1.9756	1.8584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9334**	**1.9591**	**.95257**	**1.9822**	**1.9291**
Stddev	.0099	.0028	.00358	.0084	.0029
%RSD	.51223	.14232	.37549	.42168	.15138
#1	1.9301	1.9623	.94870	1.9918	1.9275
#2	1.9255	1.9577	.95325	1.9770	1.9273
#3	1.9445	1.9573	.95576	1.9777	1.9325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1811.3**	**3608.1**	**53145.**	**4719.8**
Stddev	1.6	7.0	181.	40.6
%RSD	.08907	.19384	.33999	.85944
#1	1812.8	3607.4	53119.	4681.4
#2	1811.6	3615.4	52978.	4762.2
#3	1809.6	3601.5	53337.	4715.7

Sample Name: CCB2 Acquired: 11/24/2021 7:00:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00861**	**.00023**	**.00177**	**.00003**	**-.00003**
Stddev	.00012	.01679	.00060	.00058	.00028	.00007
%RSD	293.10	195.06	259.94	32.545	937.11	210.52
#1	.00008	.00962	.00044	.00204	-.00017	-.00008
#2	-.00004	-.01200	.00070	.00215	-.00010	-.00005
#3	-.00015	-.02345	-.00045	.00111	.00035	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**-.00000**	**.00013**	**.00048**	**.00039**	**-.00127**
Stddev	.00366	.00007	.00006	.00017	.00049	.00211
%RSD	149.23	4978.0	41.924	34.885	125.76	165.89
#1	-.00086	.00006	.00008	.00043	.00094	.00089
#2	.00184	.00000	.00012	.00066	.00021	-.00331
#3	.00638	-.00007	.00020	.00034	.00002	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07513**	**.00068**	**-.02976**	**.00001**	**.00427**	**.03558**
Stddev	.00573	.00136	.00274	.00002	.00063	.00401
%RSD	7.6303	199.10	9.2026	288.05	14.770	11.277
#1	.06941	.00156	-.03217	.00002	.00488	.03757
#2	.08088	.00136	-.03033	.00001	.00432	.03821
#3	.07509	-.00088	-.02678	-.00002	.00362	.03096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 11/24/2021 7:00:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00011**	**.00105**	**-.00224**	**-.01066**	**-.00062**
Stddev	.00012	.00072	.00120	.00194	.01036	.00032
%RSD	68.880	630.85	113.70	86.611	97.138	50.606
#1	.00018	-.00044	.00210	-.00186	-.00378	-.00069
#2	.00005	-.00062	.00131	-.00434	-.02258	-.00090
#3	.00028	.00072	-.00025	-.00052	-.00564	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00025**	**.00120**	**.00241**	**-.00008**
Stddev	.00455	.00013	.00151	.00290	.00014
%RSD	188.62	49.476	125.83	120.46	181.99
#1	-.00264	.00011	.00177	.00574	-.00018
#2	.00617	.00033	-.00051	.00108	.00008
#3	.00370	.00032	.00235	.00041	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.5**	**3789.3**	**56234.**	**4773.5**
Stddev	3.3	4.5	93.	29.6
%RSD	.15477	.11927	.16573	.61951
#1	2134.2	3784.3	56329.	4791.1
#2	2134.9	3793.2	56230.	4790.0
#3	2140.3	3790.4	56143.	4739.3

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/24/2021 7:04:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.01533**	**-.00125**	**.01132**	**.08929**	**-.00005**
Stddev	.00034	.02159	.00146	.00024	.00030	.00009
%RSD	85.170	140.78	117.61	2.1324	.33418	177.00
#1	.00050	-.01685	.00012	.01159	.08897	-.00011
#2	.00066	.00697	-.00106	.01122	.08933	-.00010
#3	.00002	-.03612	-.00279	.01114	.08956	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.621**	**.00009**	**.00042**	**.00028**	**.00064**	**.00037**
Stddev	.100	.00006	.00014	.00018	.00037	.00046
%RSD	.27983	74.124	32.724	65.920	57.013	124.42
#1	35.566	.00002	.00057	.00008	.00068	.00076
#2	35.561	.00008	.00030	.00032	.00099	-.00013
#3	35.736	.00015	.00038	.00044	.00026	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10346**	**.00173**	**.42767**	**.03679**	**.00141**	**.34811**
Stddev	.04772	.00121	.02988	.00026	.00040	.00783
%RSD	46.126	70.092	6.9866	.71772	28.215	2.2479
#1	.04903	.00285	.43407	.03651	.00160	.34155
#2	.12323	.00044	.45382	.03685	.00167	.34602
#3	.13812	.00190	.39510	.03703	.00095	.35677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/24/2021 7:04:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00027**	**.00077**	**-.00436**	**.02153**	**-.00150**
Stddev	.00018	.00187	.00114	.00400	.00233	.00091
%RSD	71.626	692.13	147.80	91.913	10.836	60.721
#1	.00016	-.00051	.00160	-.00008	.02421	-.00140
#2	.00013	-.00201	-.00052	-.00801	.02039	-.00064
#3	.00045	.00171	.00123	-.00498	.01998	-.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04069**	**.00013**	**-.00040**	**.00254**	**.02438**
Stddev	.00590	.00012	.00187	.00327	.00025
%RSD	14.493	93.431	462.53	128.69	1.0324
#1	.03644	.00027	.00033	.00341	.02423
#2	.03820	.00002	-.00253	-.00108	.02467
#3	.04742	.00011	.00099	.00528	.02423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2072.2**	**3749.5**	**55494.**	**4832.8**
Stddev	1.2	2.6	269.	33.7
%RSD	.05673	.06887	.48383	.69665
#1	2073.2	3747.0	55776.	4794.4
#2	2072.4	3749.4	55466.	4846.5
#3	2070.9	3752.1	55241.	4857.5

Sample Name: 180-130267-A-1-L MS Acquired: 11/24/2021 7:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09762**	**-.00040**	**.52260**	**.03065**	F **5.1349**	**-.00005**
Stddev	.00043	.00910	.00255	.00037	.0075	.00004
%RSD	.44163	2257.4	.48785	1.2034	.14670	79.442
#1	.09796	-.00253	.52386	.03105	5.1332	-.00004
#2	.09776	-.00825	.52428	.03033	5.1432	-.00009
#3	.09713	.00957	.51967	.03057	5.1284	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.20000	

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **180.63**	**.10118**	**.00172**	**.47790**	**.00189**	**.00151**
Stddev	.42	.00062	.00022	.00198	.00072	.00305
%RSD	.23119	.61061	12.557	.41480	38.137	201.83
#1	180.89	.10087	.00194	.47577	.00114	.00382
#2	180.85	.10190	.00171	.47969	.00196	.00267
#3	180.15	.10079	.00151	.47824	.00257	-.00195
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23591**	**.00414**	**2.0162**	**.18520**	**.00105**	**1.0871**
Stddev	.04399	.00111	.0275	.00050	.00020	.0105
%RSD	18.646	26.840	1.3645	.26752	19.481	.96430
#1	.19303	.00515	1.9984	.18569	.00128	1.0750
#2	.23377	.00295	2.0024	.18521	.00093	1.0926
#3	.28093	.00434	2.0479	.18470	.00093	1.0937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-L MS Acquired: 11/24/2021 7:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.48275**	**.00113**	**.10183**	**.12415**	**-.00008**
Stddev	.00032	.00478	.00117	.00282	.01098	.00108
%RSD	12.564	.98959	103.84	2.7677	8.8455	1341.2
#1	.00284	.47944	.00044	.10171	.12746	-.00124
#2	.00220	.48823	.00047	.10471	.11189	.00090
#3	.00250	.48058	.00248	.09908	.13309	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21676**	**-.00038**	**.00035**	**.00291**	**.06166**
Stddev	.00424	.00010	.00102	.00452	.00030
%RSD	1.9573	26.323	290.34	155.31	.49039
#1	.21267	-.00040	-.00021	-.00165	.06159
#2	.22114	-.00046	.00153	.00299	.06199
#3	.21648	-.00027	-.00027	.00739	.06140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1907.5**	**3542.4**	**53655.**	**4833.8**
Stddev	12.5	17.5	82.	19.7
%RSD	.65764	.49468	.15349	.40812
#1	1910.8	3552.3	53560.	4811.4
#2	1893.6	3522.2	53697.	4848.6
#3	1918.1	3552.7	53707.	4841.3

Sample Name: 180-130267-A-1-M MSD Acquired: 11/24/2021 7:14:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10101**	**-.00562**	**.53464**	**.03060**	F **5.2153**	**-.00001**
Stddev	.00010	.01315	.00067	.00068	.0163	.00007
%RSD	.09799	234.13	.12557	2.2114	.31215	558.00
#1	.10092	-.02038	.53386	.03134	5.2152	.00004
#2	.10112	.00484	.53500	.03046	5.1991	.00001
#3	.10101	-.00131	.53505	.03001	5.2316	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.20000	

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **178.66**	**.10461**	**.00167**	**.49044**	**.00128**	**.00102**
Stddev	.57	.00040	.00066	.00055	.00098	.00336
%RSD	.31837	.37940	39.246	.11297	76.409	328.84
#1	179.18	.10415	.00186	.49104	.00216	-.00107
#2	178.06	.10479	.00222	.49030	.00147	.00490
#3	178.75	.10488	.00094	.48996	.00022	-.00076
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25651**	**.00257**	**2.0001**	**.18427**	**.00047**	**1.0871**
Stddev	.03677	.00108	.0246	.00019	.00011	.0175
%RSD	14.333	41.859	1.2298	.10065	23.761	1.6101
#1	.23934	.00334	2.0250	.18443	.00034	1.0796
#2	.29872	.00304	1.9758	.18431	.00056	1.0745
#3	.23147	.00134	1.9995	.18407	.00050	1.1070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-M MSD Acquired: 11/24/2021 7:14:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.49540**	**.00098**	**.10950**	**.11955**	**-.00059**
Stddev	.00052	.00069	.00254	.00281	.00358	.00075
%RSD	21.323	.13907	259.48	2.5644	2.9966	126.52
#1	.00188	.49476	.00137	.11145	.12205	-.00129
#2	.00249	.49530	.00330	.11076	.12116	.00021
#3	.00291	.49613	-.00174	.10628	.11545	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21079**	**-.00016**	**.00204**	**.00080**	**.06185**
Stddev	.01172	.00012	.00079	.00161	.00044
%RSD	5.5615	72.484	38.874	200.41	.70931
#1	.21367	-.00016	.00249	.00139	.06204
#2	.22080	-.00004	.00250	-.00102	.06135
#3	.19789	-.00028	.00112	.00203	.06217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.9**	**3595.3**	**53852.**	**4785.0**
Stddev	1.0	2.5	78.	24.7
%RSD	.05063	.06951	.14564	.51625
#1	1933.4	3597.6	53923.	4771.3
#2	1933.1	3595.7	53866.	4813.6
#3	1935.0	3592.7	53768.	4770.2

Sample Name: 180-130267-A-1-N MS Acquired: 11/24/2021 7:18:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04727**	**.94123**	**.20311**	**.28589**	**.39582**	**.09385**
Stddev	.00070	.03824	.00213	.00196	.00212	.00044
%RSD	1.4858	4.0630	1.0479	.68569	.53591	.47073
#1	.04713	.97623	.20512	.28649	.39821	.09435
#2	.04803	.90041	.20088	.28748	.39417	.09351
#3	.04665	.94703	.20335	.28370	.39509	.09369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **177.29**	**.09726**	**.09443**	**.09134**	**.09791**	**.91495**
Stddev	1.05	.00072	.00065	.00070	.00154	.01324
%RSD	.59185	.73570	.69346	.76389	1.5757	1.4475
#1	178.50	.09797	.09473	.09125	.09677	.93004
#2	176.77	.09728	.09488	.09208	.09967	.90958
#3	176.60	.09654	.09368	.09070	.09729	.90524
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7714**	**.10091**	**6.4602**	**.27008**	**.08977**	**5.7169**
Stddev	.0629	.00044	.0713	.00157	.00026	.0530
%RSD	1.3175	.44015	1.1042	.57954	.28421	.92702
#1	4.8403	.10107	6.5423	.26836	.08996	5.7773
#2	4.7566	.10040	6.4139	.27143	.08986	5.6782
#3	4.7172	.10125	6.4243	.27043	.08948	5.6952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-N MS Acquired: 11/24/2021 7:18:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09517**	**.09390**	**.04561**	**.19989**	**.32120**	**.17980**
Stddev	.00028	.00252	.00222	.00257	.00989	.00037
%RSD	.29084	2.6886	4.8593	1.2862	3.0804	.20612
#1	.09549	.09536	.04568	.20280	.33028	.17944
#2	.09504	.09536	.04780	.19892	.31066	.18018
#3	.09498	.09099	.04337	.19794	.32267	.17977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.30010**	**.09461**	**.18339**	**.09489**	**.10524**
Stddev	.00431	.00059	.00086	.00760	.00071
%RSD	1.4372	.62715	.46929	8.0064	.67545
#1	.29653	.09402	.18332	.09875	.10598
#2	.29887	.09520	.18428	.08614	.10518
#3	.30489	.09461	.18256	.09979	.10456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1915.7**	**3595.0**	**53422.**	**4767.0**
Stddev	9.7	16.7	345.	33.4
%RSD	.50468	.46573	.64658	.70030
#1	1908.0	3581.0	53818.	4728.7
#2	1912.6	3590.6	53184.	4789.8
#3	1926.6	3613.5	53265.	4782.6

Sample Name: 180-130267-A-1-O MSD Acquired: 11/24/2021 7:23:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04855**	**.97432**	**.20378**	**.28697**	**.39709**	**.09592**
Stddev	.00024	.01632	.00111	.00048	.00063	.00012
%RSD	.49361	1.6748	.54382	.16796	.15948	.12103
#1	.04829	.99003	.20261	.28731	.39645	.09589
#2	.04858	.97546	.20391	.28642	.39771	.09604
#3	.04877	.95746	.20481	.28717	.39710	.09581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **177.34**	**.10003**	**.09736**	**.09428**	**.09966**	**.93729**
Stddev	.36	.00031	.00010	.00021	.00126	.00320
%RSD	.20547	.31438	.10339	.21981	1.2689	.34136
#1	176.92	.09967	.09737	.09434	.09976	.93623
#2	177.52	.10015	.09725	.09405	.10088	.94089
#3	177.58	.10027	.09745	.09445	.09835	.93477
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9397**	**.10162**	**6.6379**	**.27325**	**.09229**	**5.8891**
Stddev	.0284	.00014	.0265	.00065	.00028	.0227
%RSD	.57442	.14025	.39923	.23738	.30141	.38596
#1	4.9715	.10146	6.6555	.27384	.09200	5.8914
#2	4.9305	.10169	6.6075	.27335	.09256	5.9105
#3	4.9170	.10171	6.6508	.27255	.09231	5.8652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-O MSD Acquired: 11/24/2021 7:23:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09686**	**.09521**	**.04702**	**.20264**	**.31643**	**.18430**
Stddev	.00002	.00151	.00044	.00679	.00864	.00111
%RSD	.01931	1.5886	.94209	3.3517	2.7313	.60305
#1	.09688	.09689	.04749	.19529	.31234	.18338
#2	.09684	.09395	.04661	.20392	.31058	.18554
#3	.09686	.09480	.04696	.20870	.32636	.18398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.30402**	**.09761**	**.18750**	**.09481**	**.10608**
Stddev	.00545	.00044	.00195	.00296	.00024
%RSD	1.7928	.45079	1.0408	3.1225	.22954
#1	.30407	.09783	.18608	.09467	.10617
#2	.29855	.09791	.18670	.09192	.10627
#3	.30945	.09711	.18973	.09784	.10581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1914.3**	**3584.0**	**53517.**	**4768.6**
Stddev	3.4	7.7	118.	6.3
%RSD	.17560	.21475	.22116	.13237
#1	1918.2	3592.9	53500.	4761.3
#2	1912.8	3580.0	53408.	4771.5
#3	1912.0	3579.1	53643.	4772.8

Sample Name: 180-130267-A-1-K PDS Acquired: 11/24/2021 7:27:47 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25541**	**5.0520**	F **1.0144**	**1.3947**	**1.3925**	**.48872**
Stddev	.00011	.0255	.0033	.0018	.0027	.00100
%RSD	.04226	.50520	.32781	.12947	.19627	.20435
#1	.25530	5.0752	1.0109	1.3942	1.3954	.48941
#2	.25543	5.0246	1.0148	1.3968	1.3901	.48757
#3	.25551	5.0561	1.0175	1.3933	1.3919	.48917
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **195.29**	**.49458**	**.48582**	**.47132**	**.49240**	**4.9682**
Stddev	.73	.00060	.00015	.00125	.00113	.0145
%RSD	.37427	.12153	.03054	.26532	.23016	.29227
#1	196.12	.49511	.48573	.47222	.49251	4.9621
#2	194.73	.49393	.48599	.47185	.49347	4.9576
#3	195.02	.49472	.48575	.46989	.49121	4.9847
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.009**	**.50961**	**26.373**	**.64268**	**.46879**	**27.022**
Stddev	.045	.00075	.130	.00033	.00057	.020
%RSD	.17912	.14726	.49168	.05091	.12233	.07410
#1	24.958	.51013	26.469	.64300	.46819	27.003
#2	25.042	.50875	26.226	.64269	.46884	27.043
#3	25.026	.50995	26.424	.64234	.46933	27.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K PDS Acquired: 11/24/2021 7:27:47 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48015**	**.48011**	**.23971**	F **1.0050**	**1.1507**	**.91030**
Stddev	.00102	.00069	.00303	.0044	.0309	.00374
%RSD	.21225	.14337	1.2655	.43446	2.6896	.41043
#1	.48073	.48058	.24313	1.0066	1.1850	.90979
#2	.48075	.48043	.23869	1.0001	1.1425	.90686
#3	.47897	.47932	.23733	1.0084	1.1248	.91427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.0000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.67416**	**.48967**	**.92917**	**.48009**	**.35630**
Stddev	.00322	.00096	.00224	.00610	.00056
%RSD	.47768	.19534	.24079	1.2712	.15783
#1	.67591	.48860	.92688	.48091	.35678
#2	.67045	.49043	.93135	.47362	.35568
#3	.67614	.48998	.92929	.48574	.35643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1861.4**	**3592.5**	**53510.**	**4811.3**
Stddev	4.4	5.3	69.	28.6
%RSD	.23485	.14654	.12864	.59501
#1	1857.7	3586.9	53449.	4781.3
#2	1860.4	3593.1	53585.	4838.4
#3	1866.2	3597.3	53495.	4814.2

Sample Name: 180-130267-A-2-C Acquired: 11/24/2021 7:32:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00167**	**.00503**	**.05442**	**.43869**	**.00003**
Stddev	.00032	.01062	.00175	.00085	.00253	.00006
%RSD	388.01	634.22	34.801	1.5609	.57683	240.99
#1	.00019	.00629	.00524	.05354	.43704	.00009
#2	.00000	-.01047	.00318	.05523	.43742	.00002
#3	-.00044	.00921	.00667	.05450	.44160	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **179.76**	**.00045**	**.00224**	**.00000**	**.00208**	**.00236**
Stddev	.95	.00012	.00022	.00014	.00105	.00179
%RSD	.52842	26.190	9.6995	15033.	50.801	75.529
#1	179.99	.00057	.00199	-.00015	.00107	.00324
#2	178.72	.00034	.00235	.00002	.00199	.00031
#3	180.58	.00044	.00238	.00013	.00317	.00354
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17961**	**.00259**	**1.9287**	**.15636**	**.00184**	**1.4443**
Stddev	.02387	.00087	.0514	.00186	.00035	.0109
%RSD	13.293	33.754	2.6665	1.1867	19.028	.75438
#1	.20431	.00354	1.9802	.15830	.00213	1.4328
#2	.15666	.00182	1.8773	.15619	.00194	1.4545
#3	.17785	.00240	1.9285	.15460	.00145	1.4456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-2-C Acquired: 11/24/2021 7:32:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00014**	**.00382**	**.00141**	**.12052**	**-.00109**
Stddev	.00050	.00079	.00052	.00395	.00387	.00060
%RSD	20.183	559.44	13.703	279.68	3.2137	55.201
#1	.00301	-.00076	.00357	.00592	.11971	-.00046
#2	.00228	.00071	.00347	-.00142	.12473	-.00166
#3	.00207	.00047	.00442	-.00027	.11712	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22194**	**-.00022**	**.00071**	**.00002**	**.11202**
Stddev	.00527	.00026	.00085	.00405	.00020
%RSD	2.3731	119.24	119.88	22473.	.17832
#1	.21990	.00007	-.00023	-.00454	.11180
#2	.21800	-.00028	.00093	.00320	.11209
#3	.22793	-.00045	.00143	.00140	.11218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1938.1**	**3614.2**	**53683.**	**4782.0**
Stddev	3.9	7.1	413.	10.7
%RSD	.20347	.19624	.76983	.22460
#1	1937.5	3616.3	53287.	4771.4
#2	1942.3	3620.0	53651.	4781.9
#3	1934.4	3606.3	54112.	4792.8

Sample Name: 180-130267-A-3-C Acquired: 11/24/2021 7:36:45 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.03084**	**.00257**	**.06127**	**.29892**	**.00003**
Stddev	.00027	.02200	.00020	.00062	.00933	.00007
%RSD	1287.6	71.324	7.9634	1.0126	3.1221	287.67
#1	.00031	.02718	.00280	.06160	.29031	-.00000
#2	-.00002	.05443	.00241	.06167	.30884	.00011
#3	-.00022	.01090	.00249	.06056	.29760	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **179.24**	**.00068**	**.00185**	**.00030**	**.00130**	**.02495**
Stddev	5.83	.00006	.00035	.00019	.00015	.00382
%RSD	3.2550	9.5187	19.089	63.407	11.637	15.313
#1	173.51	.00075	.00172	.00046	.00123	.02109
#2	185.18	.00062	.00158	.00009	.00147	.02873
#3	179.02	.00068	.00225	.00037	.00118	.02503
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19884**	**.00214**	**2.0318**	**.25540**	**.00060**	**1.5813**
Stddev	.03934	.00012	.1245	.00234	.00033	.0583
%RSD	19.785	5.3754	6.1286	.91753	55.455	3.6896
#1	.15359	.00201	1.9026	.25789	.00057	1.5250
#2	.21795	.00222	2.1510	.25324	.00094	1.6415
#3	.22497	.00220	2.0420	.25507	.00028	1.5773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-3-C Acquired: 11/24/2021 7:36:45 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**.00103**	**.00100**	**.00156**	**.31620**	**-.00034**
Stddev	.00058	.00169	.00211	.00161	.00843	.00033
%RSD	26.509	164.36	211.42	103.25	2.6650	97.439
#1	.00166	.00297	.00160	-.00027	.30972	-.00070
#2	.00282	-.00007	.00275	.00220	.32572	-.00025
#3	.00214	.00018	-.00135	.00276	.31314	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21759**	**-.00005**	**-.00097**	**-.00187**	**.11622**
Stddev	.01072	.00013	.00064	.00485	.00044
%RSD	4.9285	245.51	65.700	260.16	.38206
#1	.20714	-.00016	-.00141	-.00144	.11644
#2	.22857	-.00008	-.00024	-.00692	.11571
#3	.21707	.00009	-.00125	.00276	.11652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.3**	**3555.0**	**52859.**	**4749.8**
Stddev	3.8	7.2	516.	145.1
%RSD	.19773	.20211	.97605	3.0555
#1	1921.2	3550.7	52272.	4902.8
#2	1925.2	3563.3	53239.	4614.1
#3	1917.6	3551.0	53067.	4732.6

Sample Name: 180-130267-A-4-C Acquired: 11/24/2021 7:41:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00239**	**.00361**	**.06411**	**.45488**	**-.00005**
Stddev	.00029	.01909	.00076	.00039	.00139	.00008
%RSD	569.59	798.84	21.151	.60298	.30549	167.09
#1	.00032	.01166	.00362	.06450	.45332	-.00012
#2	-.00026	-.01956	.00284	.06411	.45597	-.00007
#3	.00009	.01507	.00436	.06373	.45536	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **176.40**	**.00053**	**.00145**	**.00034**	**.00102**	**-.00284**
Stddev	.45	.00006	.00025	.00028	.00090	.00157
%RSD	.25316	11.068	17.087	81.128	88.121	55.159
#1	176.12	.00047	.00130	.00002	.00196	-.00127
#2	176.92	.00059	.00132	.00052	.00016	-.00441
#3	176.18	.00052	.00174	.00049	.00094	-.00285
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10142**	**.00229**	**1.9237**	**.18143**	**.00032**	**1.3426**
Stddev	.02660	.00104	.0463	.00029	.00007	.0143
%RSD	26.231	45.496	2.4086	.15846	23.290	1.0660
#1	.12730	.00238	1.8737	.18128	.00040	1.3264
#2	.10283	.00329	1.9652	.18125	.00030	1.3482
#3	.07415	.00121	1.9323	.18177	.00025	1.3533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-4-C Acquired: 11/24/2021 7:41:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00232**	**.00182**	**.00013**	**.13782**	**-.00053**
Stddev	.00053	.00109	.00037	.00229	.00701	.00064
%RSD	35.613	46.862	20.641	1709.8	5.0849	120.33
#1	.00088	.00221	.00221	.00220	.13447	-.00008
#2	.00175	.00130	.00177	-.00233	.13312	-.00126
#3	.00184	.00346	.00146	.00053	.14588	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22233**	**-.00031**	**.00281**	**.00358**	**.12860**
Stddev	.00466	.00023	.00086	.00050	.00027
%RSD	2.0938	76.461	30.455	13.862	.20930
#1	.22589	-.00043	.00202	.00320	.12875
#2	.21706	-.00004	.00372	.00341	.12876
#3	.22402	-.00045	.00269	.00414	.12829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1930.3**	**3587.8**	**53958.**	**4806.7**
Stddev	7.2	11.3	66.	10.5
%RSD	.37537	.31546	.12178	.21875
#1	1937.5	3599.1	53937.	4808.5
#2	1930.5	3576.5	54032.	4795.4
#3	1923.0	3588.0	53905.	4816.2

Sample Name: 180-130267-A-5-C Acquired: 11/24/2021 7:46:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.01494**	**.00350**	**.07222**	**.48441**	**-.00005**
Stddev	.00044	.00874	.00131	.00048	.00220	.00005
%RSD	241.09	58.527	37.459	.66763	.45369	100.78
#1	.00059	-.00486	.00499	.07277	.48400	-.00010
#2	.00023	-.01942	.00301	.07201	.48678	-.00002
#3	-.00028	-.02053	.00250	.07188	.48244	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **175.54**	**.00049**	**.00074**	**-.00037**	**.00162**	**-.00415**
Stddev	.52	.00016	.00019	.00018	.00054	.00152
%RSD	.29886	32.032	25.336	49.072	33.084	36.592
#1	175.86	.00045	.00057	-.00046	.00110	-.00268
#2	175.82	.00066	.00071	-.00049	.00217	-.00406
#3	174.93	.00036	.00094	-.00016	.00160	-.00572
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11558**	**.00196**	**1.8809**	**.19742**	**.00013**	**1.4588**
Stddev	.02553	.00076	.0217	.00035	.00013	.0034
%RSD	22.092	38.835	1.1544	.17741	105.22	.23114
#1	.08627	.00168	1.8735	.19780	.00001	1.4571
#2	.12745	.00283	1.9053	.19711	.00027	1.4627
#3	.13302	.00138	1.8638	.19735	.00009	1.4567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-5-C Acquired: 11/24/2021 7:46:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00072**	**.00252**	**.00093**	**.25307**	**-.00053**
Stddev	.00012	.00260	.00172	.00329	.00580	.00085
%RSD	7.6174	361.23	68.098	353.22	2.2910	160.40
#1	.00152	-.00123	.00254	.00462	.24638	.00039
#2	.00167	.00368	.00080	-.00169	.25648	-.00129
#3	.00143	-.00028	.00423	-.00013	.25636	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20761**	**-.00020**	**.00077**	**.00306**	**.13577**
Stddev	.00782	.00012	.00034	.00227	.00039
%RSD	3.7650	58.043	44.436	74.089	.28762
#1	.19989	-.00013	.00111	.00565	.13574
#2	.21552	-.00033	.00078	.00214	.13618
#3	.20741	-.00014	.00043	.00140	.13540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1942.6**	**3602.4**	**53816.**	**4777.5**
Stddev	3.4	2.8	162.	27.6
%RSD	.17449	.07780	.30096	.57776
#1	1944.0	3600.3	53632.	4745.9
#2	1938.7	3601.2	53882.	4789.8
#3	1945.0	3605.6	53935.	4796.9

Sample Name: CCV 4546440 Acquired: 11/24/2021 7:50:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99759**	**24.240**	**.49657**	**1.9941**	**1.9569**	**1.9971**
Stddev	.00776	.381	.00094	.0054	.0223	.0265
%RSD	.77768	1.5717	.18900	.26942	1.1380	1.3287
#1	.99115	24.000	.49729	2.0000	1.9465	1.9837
#2	.99540	24.041	.49693	1.9894	1.9417	1.9799
#3	1.0062	24.680	.49551	1.9930	1.9824	2.0276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.979**	**.49806**	**2.0002**	**1.9387**	**1.9637**	**24.346**
Stddev	.598	.00037	.0049	.0160	.0145	.305
%RSD	1.2219	.07335	.24535	.82629	.74033	1.2524
#1	48.661	.49846	2.0052	1.9260	1.9495	24.203
#2	48.607	.49795	2.0001	1.9333	1.9631	24.138
#3	49.670	.49776	1.9954	1.9567	1.9785	24.696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.28**	**2.0271**	**48.192**	**1.9214**	**1.9150**	**121.83**
Stddev	1.68	.0243	.692	.0143	.0056	1.90
%RSD	1.4077	1.1977	1.4357	.74333	.29061	1.5557
#1	118.41	2.0151	47.655	1.9099	1.9122	120.87
#2	118.22	2.0112	47.949	1.9168	1.9114	120.60
#3	121.22	2.0551	48.973	1.9374	1.9214	124.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 7:50:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0029**	**.50139**	**.49084**	**.49321**	**1.9748**	**1.8521**
Stddev	.0036	.00185	.00341	.00250	.0441	.0023
%RSD	.18142	.36811	.69434	.50756	2.2314	.12331
#1	2.0069	.50260	.49012	.49042	1.9419	1.8531
#2	2.0021	.50230	.48784	.49526	1.9577	1.8495
#3	1.9998	.49927	.49455	.49396	2.0249	1.8538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9515**	**1.9718**	**.95199**	**1.9679**	**1.9290**
Stddev	.0334	.0150	.00067	.0243	.0013
%RSD	1.7092	.75992	.07004	1.2349	.06580
#1	1.9489	1.9599	.95272	1.9565	1.9276
#2	1.9195	1.9670	.95142	1.9514	1.9302
#3	1.9861	1.9887	.95182	1.9958	1.9291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1812.1**	**3600.3**	**52748.**	**4716.3**
Stddev	3.8	3.2	412.	49.2
%RSD	.21006	.09022	.78093	1.0433
#1	1808.8	3598.1	53099.	4741.6
#2	1811.2	3598.9	52850.	4747.8
#3	1816.3	3604.1	52295.	4659.6

Sample Name: CCB3 Acquired: 11/24/2021 7:55:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.01190**	**-.00040**	**.00165**	**-.00003**	**.00010**
Stddev	.00027	.00826	.00182	.00026	.00030	.00016
%RSD	248.02	69.414	453.72	15.651	1135.9	149.68
#1	-.00042	-.00378	-.00034	.00194	-.00026	-.00002
#2	.00006	-.01162	.00139	.00145	.00031	.00028
#3	.00003	-.02030	-.00225	.00154	-.00013	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00001**	**.00035**	**.00001**	**.00086**	**-.00251**
Stddev	.00176	.00004	.00015	.00044	.00045	.00227
%RSD	2647.5	393.09	41.392	3918.7	52.009	90.737
#1	.00151	.00005	.00020	-.00041	.00124	-.00037
#2	.00026	.00001	.00050	.00046	.00037	-.00225
#3	-.00197	-.00003	.00037	-.00002	.00098	-.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04675**	**.00117**	**-.01426**	**-.00001**	**.00426**	**.01278**
Stddev	.00081	.00066	.03944	.00007	.00045	.00732
%RSD	1.7282	56.443	276.65	1117.3	10.563	57.289
#1	.04669	.00159	.00449	.00004	.00469	.02092
#2	.04759	.00041	-.05957	.00003	.00430	.01068
#3	.04598	.00153	.01232	-.00008	.00379	.00674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 11/24/2021 7:55:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00035**	**.00006**	**-.00315**	**-.00070**	**-.00048**
Stddev	.00032	.00145	.00101	.00311	.00294	.00021
%RSD	771.66	413.60	1818.0	98.780	418.97	44.937
#1	-.00024	-.00174	-.00107	-.00031	.00240	-.00070
#2	-.00002	-.00046	.00089	-.00266	-.00344	-.00046
#3	.00039	.00115	.00034	-.00647	-.00106	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00028**	**.00077**	**.00360**	**-.00002**
Stddev	.00308	.00009	.00095	.00375	.00027
%RSD	596.06	33.104	123.27	103.96	1327.9
#1	-.00293	.00032	.00026	.00404	-.00008
#2	-.00157	.00017	.00018	.00712	.00028
#3	.00295	.00034	.00186	-.00034	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2163.6**	**3832.1**	**56338.**	**4822.1**
Stddev	10.1	14.6	371.	40.8
%RSD	.46676	.38132	.65850	.84536
#1	2157.8	3820.9	55986.	4812.6
#2	2157.7	3826.9	56302.	4787.0
#3	2175.2	3848.6	56726.	4866.8

Sample Name: 180-130267-A-6-C Acquired: 11/24/2021 7:59:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00283**	**-.00027**	**.06253**	**.45786**	**-.00004**
Stddev	.00027	.02732	.00237	.00096	.00588	.00004
%RSD	214.51	964.24	892.00	1.5298	1.2849	84.838
#1	.00032	-.01915	.00204	.06225	.45363	-.00001
#2	-.00018	-.01806	-.00014	.06359	.45537	-.00003
#3	.00024	.02871	-.00270	.06174	.46458	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **174.98**	**.00047**	**.00197**	**-.00028**	**.00111**	**-.00461**
Stddev	2.31	.00004	.00008	.00047	.00032	.00169
%RSD	1.3178	8.4316	3.9182	166.63	28.838	36.720
#1	173.24	.00050	.00189	-.00015	.00146	-.00577
#2	174.10	.00043	.00205	-.00080	.00083	-.00267
#3	177.59	.00049	.00198	.00011	.00105	-.00539
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16784**	**.00281**	**1.8281**	**.21315**	**.00129**	**1.3555**
Stddev	.03104	.00213	.0425	.00007	.00032	.0143
%RSD	18.492	75.636	2.3245	.03185	24.713	1.0522
#1	.14854	.00162	1.8077	.21313	.00162	1.3391
#2	.20364	.00527	1.7997	.21309	.00127	1.3623
#3	.15134	.00156	1.8770	.21322	.00098	1.3651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-6-C Acquired: 11/24/2021 7:59:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00169**	**.00045**	**-.00217**	**.15990**	**-.00135**
Stddev	.00088	.00079	.00161	.00242	.00743	.00050
%RSD	53.258	46.946	357.23	111.53	4.6440	37.369
#1	.00075	.00104	.00013	.00044	.16621	-.00097
#2	.00251	.00257	-.00097	-.00433	.15171	-.00192
#3	.00169	.00146	.00219	-.00261	.16176	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20046**	**-.00009**	**.00191**	**.00496**	**.12238**
Stddev	.00566	.00014	.00086	.00487	.00046
%RSD	2.8221	161.01	45.039	98.043	.37929
#1	.19579	-.00024	.00290	.00646	.12278
#2	.19884	.00004	.00129	.00891	.12250
#3	.20675	-.00006	.00155	-.00048	.12187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.3**	**3610.6**	**53785.**	**4765.0**
Stddev	7.3	12.1	72.	54.3
%RSD	.37673	.33546	.13353	1.1385
#1	1940.3	3606.6	53798.	4802.3
#2	1933.1	3600.9	53849.	4789.8
#3	1947.7	3624.1	53708.	4702.7

Sample Name: MB 180-379980/1-A Acquired: 11/24/2021 8:04:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00040**	**-.00063**	**.00060**	**-.00005**	**-.00003**
Stddev	.00033	.02295	.00281	.00036	.00009	.00008
%RSD	221.11	5753.7	448.93	59.119	190.13	313.21
#1	.00026	.02606	.00262	.00100	-.00000	-.00012
#2	-.00022	-.01491	-.00235	.00048	-.00015	.00002
#3	.00041	-.01235	-.00215	.00032	.00001	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01308**	**-.00005**	**.00009**	**.00025**	**.00201**	**.00294**
Stddev	.00507	.00016	.00007	.00058	.00061	.00204
%RSD	38.767	307.40	73.135	232.20	30.387	69.398
#1	.01795	.00011	.00001	-.00020	.00186	.00059
#2	.01348	-.00022	.00014	.00004	.00149	.00420
#3	.00783	-.00005	.00012	.00090	.00269	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05249**	**-.00002**	**-.00071**	**.00003**	**.00057**	**-.00669**
Stddev	.03845	.00103	.01292	.00002	.00027	.00330
%RSD	73.241	6355.2	1811.9	64.680	46.975	49.231
#1	-.07465	.00011	-.00090	.00002	.00087	-.00291
#2	-.00810	.00094	.01230	.00005	.00046	-.00891
#3	-.07473	-.00110	-.01354	.00002	.00037	-.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379980/1-A Acquired: 11/24/2021 8:04:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00050**	**.00100**	**-.00354**	**.01048**	**.00002**
Stddev	.00057	.00149	.00052	.00175	.00217	.00059
%RSD	1419.5	299.40	51.693	49.289	20.749	3407.3
#1	-.00034	-.00191	.00088	-.00413	.01110	-.00058
#2	.00062	.00106	.00056	-.00158	.00806	.00060
#3	-.00041	-.00065	.00157	-.00492	.01228	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.01020**	**-.00000**	**.00046**	**-.00094**	**.00050**
Stddev	.00302	.00013	.00213	.00279	.00011
%RSD	29.629	36327.	461.33	296.68	21.184
#1	-.01353	-.00015	-.00166	.00215	.00062
#2	-.00944	.00011	.00044	-.00327	.00043
#3	-.00763	.00004	.00260	-.00170	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.7**	**3801.9**	**55858.**	**4853.8**
Stddev	3.1	10.1	671.	12.1
%RSD	.14717	.26579	1.2006	.24831
#1	2136.7	3807.4	56123.	4839.9
#2	2139.8	3808.2	55095.	4859.7
#3	2133.5	3790.3	56355.	4861.7

Sample Name: LCS 180-379980/2-A Acquired: 11/24/2021 8:09:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26959**	**5.3287**	**1.1192**	**1.4146**	**1.0682**	**.54517**
Stddev	.00368	.0468	.0042	.0046	.0051	.00310
%RSD	1.3668	.87849	.37644	.32886	.47899	.56890
#1	.27368	5.3040	1.1186	1.4166	1.0741	.54848
#2	.26652	5.3826	1.1153	1.4093	1.0658	.54233
#3	.26856	5.2993	1.1237	1.4179	1.0647	.54470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.833**	**.54521**	**.53340**	**.53156**	**.53508**	**5.3344**
Stddev	.159	.00081	.00035	.00342	.00867	.0177
%RSD	.59119	.14809	.06501	.64328	1.6204	.33192
#1	27.016	.54584	.53316	.53546	.54503	5.3507
#2	26.753	.54430	.53325	.52907	.52912	5.3156
#3	26.730	.54549	.53380	.53015	.53109	5.3370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.934**	**.54234**	**26.171**	**.53180**	**.51403**	**26.448**
Stddev	.149	.00208	.162	.00533	.00254	.118
%RSD	.57466	.38347	.61720	1.0029	.49436	.44592
#1	26.013	.54452	26.271	.53782	.51365	26.453
#2	25.762	.54212	25.985	.52768	.51171	26.328
#3	26.026	.54037	26.259	.52989	.51675	26.564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379980/2-A Acquired: 11/24/2021 8:09:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53080**	**.53032**	**.25931**	**1.1255**	**1.1101**	**1.0321**
Stddev	.00006	.00109	.00145	.0053	.0122	.0019
%RSD	.01057	.20517	.56082	.46652	1.0971	.18535
#1	.53083	.52998	.25792	1.1277	1.1224	1.0312
#2	.53074	.52944	.25918	1.1195	1.1097	1.0309
#3	.53084	.53153	.26082	1.1292	1.0981	1.0343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.53774**	**.54409**	**1.0531**	**.53293**	**.27019**
Stddev	.00186	.00593	.0031	.00244	.00013
%RSD	.34546	1.0900	.28937	.45725	.04835
#1	.53977	.55086	1.0502	.53541	.27032
#2	.53611	.53979	1.0563	.53054	.27018
#3	.53735	.54162	1.0528	.53284	.27006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1960.2**	**3688.2**	**54380.**	**4860.8**
Stddev	3.7	5.9	552.	25.6
%RSD	.19073	.16087	1.0156	.52642
#1	1964.2	3693.1	53759.	4856.9
#2	1959.7	3689.9	54817.	4888.1
#3	1956.8	3681.6	54563.	4837.4

Sample Name: 180-130071-B-1-A Acquired: 11/24/2021 8:13:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**5.9668**	**.00549**	**.02955**	**.04392**	**.00016**
Stddev	.00020	.0125	.00298	.00061	.00036	.00004
%RSD	120.96	.20961	54.341	2.0791	.82883	26.545
#1	.00038	5.9551	.00872	.03024	.04363	.00020
#2	.00014	5.9653	.00488	.02905	.04433	.00012
#3	-.00002	5.9800	.00285	.02937	.04380	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.07**	**.00043**	**.00168**	**.01456**	**.00902**	**4.9113**
Stddev	.88	.00019	.00040	.00078	.00036	.0470
%RSD	.50378	44.560	23.733	5.3290	4.0414	.95612
#1	175.18	.00033	.00207	.01473	.00885	4.9283
#2	175.90	.00030	.00172	.01524	.00944	4.9474
#3	174.14	.00065	.00127	.01371	.00877	4.8582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2854**	**.00781**	**11.191**	**.05509**	**.00431**	**1.8357**
Stddev	.0428	.00039	.116	.00008	.00035	.0188
%RSD	1.3017	4.9551	1.0392	.13817	8.1969	1.0249
#1	3.3225	.00763	11.178	.05502	.00471	1.8464
#2	3.2387	.00755	11.314	.05517	.00415	1.8469
#3	3.2952	.00826	11.082	.05507	.00406	1.8140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130071-B-1-A Acquired: 11/24/2021 8:13:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00825**	**.00575**	**.00248**	**.00286**	**17.888**	**.00296**
Stddev	.00037	.00161	.00161	.00103	.159	.00092
%RSD	4.5266	27.996	64.966	35.929	.89083	31.118
#1	.00861	.00440	.00416	.00229	18.070	.00251
#2	.00826	.00753	.00094	.00224	17.824	.00402
#3	.00787	.00531	.00236	.00404	17.771	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.69599**	**.23072**	**.00048**	**.01924**	**.08987**
Stddev	.00701	.02120	.00158	.00288	.00026
%RSD	1.0070	9.1874	326.39	14.994	.28685
#1	.68899	.25495	-.00133	.02238	.08970
#2	.70301	.21559	.00129	.01862	.08974
#3	.69596	.22164	.00149	.01672	.09016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.3**	**3589.0**	**53913.**	**4789.4**
Stddev	5.7	6.5	174.	28.8
%RSD	.29608	.18073	.32353	.60074
#1	1926.3	3594.1	53929.	4772.4
#2	1930.3	3591.1	53731.	4773.1
#3	1919.1	3581.7	54079.	4822.6

Sample Name: 180-130049-D-1-A Acquired: 11/24/2021 8:18:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.15814**	**.00206**	**.03934**	**.03713**	**-.00001**
Stddev	.00023	.01070	.00102	.00058	.00045	.00013
%RSD	137.83	6.7676	49.592	1.4682	1.2140	2596.7
#1	.00019	.16697	.00282	.03870	.03690	-.00014
#2	-.00007	.14624	.00245	.03982	.03765	-.00000
#3	.00039	.16120	.00090	.03948	.03685	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.463**	**.00006**	**.00054**	**.00035**	**.02037**	**.84290**
Stddev	.099	.00007	.00025	.00050	.00057	.00468
%RSD	.38909	120.59	46.843	143.74	2.8129	.55539
#1	25.509	.00008	.00033	-.00011	.02103	.84773
#2	25.529	.00012	.00082	.00089	.02002	.84259
#3	25.349	-.00002	.00047	.00027	.02006	.83838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4701**	**.00332**	**5.7432**	**.04280**	**.56966**	**36.850**
Stddev	.0402	.00155	.0628	.00004	.00065	.127
%RSD	1.6261	46.526	1.0933	.09996	.11380	.34390
#1	2.5152	.00266	5.7176	.04284	.56898	36.937
#2	2.4569	.00222	5.8147	.04276	.56972	36.909
#3	2.4382	.00509	5.6972	.04278	.57027	36.705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130049-D-1-A Acquired: 11/24/2021 8:18:00 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00927**	**-.00010**	**.00357**	**-.00145**	**2.5267**	**.00177**
Stddev	.00051	.00120	.00146	.00165	.0221	.00063
%RSD	5.5534	1153.6	40.791	113.44	.87378	35.570
#1	.00881	-.00004	.00233	-.00261	2.5379	.00136
#2	.00917	-.00134	.00320	-.00218	2.5410	.00145
#3	.00983	.00107	.00517	.00043	2.5013	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12393**	**.00141**	**.00194**	**.00184**	**.07887**
Stddev	.00347	.00030	.00100	.00191	.00032
%RSD	2.8030	21.596	51.777	103.81	.40111
#1	.11995	.00110	.00078	-.00014	.07923
#2	.12631	.00170	.00253	.00366	.07869
#3	.12555	.00142	.00250	.00198	.07869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2019.9**	**3701.2**	**55011.**	**4801.6**
Stddev	1.0	5.2	115.	15.6
%RSD	.05154	.14122	.20952	.32442
#1	2019.2	3705.2	54892.	4790.5
#2	2019.4	3695.3	55123.	4794.9
#3	2021.1	3703.2	55017.	4819.4

Sample Name: 180-130114-F-3-A Acquired: 11/24/2021 8:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.07610**	**.00690**	**.26807**	**.59153**	**-.00005**
Stddev	.00030	.02503	.00254	.00312	.00207	.00011
%RSD	84.863	32.891	36.873	1.1633	.34924	244.03
#1	-.00038	.09966	.00971	.26639	.58926	.00005
#2	-.00064	.04982	.00476	.26615	.59331	-.00002
#3	-.00004	.07881	.00622	.27167	.59201	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**131.15**	**-.00002**	**.00044**	**-.00054**	**.00153**	**3.4730**
Stddev	.48	.00004	.00022	.00061	.00049	.0113
%RSD	.36744	274.58	50.276	112.22	31.950	.32424
#1	130.72	-.00006	.00058	-.00098	.00109	3.4708
#2	131.67	.00003	.00055	.00015	.00205	3.4852
#3	131.05	-.00002	.00018	-.00080	.00145	3.4630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5537**	**.01984**	**26.813**	**.34383**	**.00331**	**102.75**
Stddev	.0551	.00138	.106	.00094	.00019	.25
%RSD	1.2104	6.9768	.39687	.27417	5.8471	.23896
#1	4.5323	.01911	26.746	.34491	.00346	102.54
#2	4.6163	.02143	26.936	.34334	.00337	103.02
#3	4.5125	.01897	26.758	.34323	.00309	102.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130114-F-3-A Acquired: 11/24/2021 8:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00124**	**.00025**	**-.00040**	**8.4090**	**.00080**
Stddev	.00055	.00096	.00178	.00162	.0694	.00111
%RSD	1822.2	76.766	713.70	406.24	.82589	137.99
#1	.00037	.00118	.00185	.00069	8.3360	.00059
#2	.00032	.00032	.00057	-.00226	8.4743	-.00018
#3	-.00060	.00223	-.00167	.00037	8.4166	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41335**	**.00004**	**.00126**	**.00196**	**-.00038**
Stddev	.00851	.00018	.00239	.00457	.00008
%RSD	2.0585	393.99	190.22	233.61	21.270
#1	.40662	.00017	.00032	.00454	-.00031
#2	.41052	-.00016	.00397	.00465	-.00036
#3	.42291	.00013	-.00052	-.00332	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1841.9**	**3527.1**	**52838.**	**4756.0**
Stddev	25.5	48.1	211.	15.6
%RSD	1.3840	1.3648	.39849	.32705
#1	1857.3	3561.2	52620.	4764.2
#2	1855.8	3548.1	53040.	4738.1
#3	1812.4	3472.0	52855.	4765.8

Sample Name: 180-130114-F-4-A Acquired: 11/24/2021 8:27:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00102**	**.00340**	**.39253**	**.67985**	**-.00002**
Stddev	.00017	.01624	.00246	.00334	.00816	.00015
%RSD	99.291	1589.5	72.330	.85049	1.2003	880.74
#1	.00002	.00093	.00225	.39177	.68125	-.00005
#2	-.00031	.01731	.00622	.39619	.68722	.00015
#3	-.00023	-.01518	.00172	.38964	.67108	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**140.82**	**.00010**	**.00060**	**.00043**	**.00089**	**.16308**
Stddev	1.21	.00011	.00017	.00036	.00011	.00110
%RSD	.86220	108.80	28.694	83.729	12.736	.67652
#1	140.68	.00005	.00075	.00051	.00078	.16421
#2	142.10	.00002	.00065	.00004	.00090	.16302
#3	139.68	.00022	.00041	.00075	.00100	.16200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3579**	**.03943**	**31.739**	**.08222**	**.00093**	**216.87**
Stddev	.0368	.00066	.385	.00008	.00028	3.13
%RSD	.84525	1.6810	1.2114	.10094	30.317	1.4431
#1	4.3773	.03878	31.670	.08225	.00103	220.37
#2	4.3808	.04010	32.153	.08228	.00062	215.91
#3	4.3154	.03942	31.394	.08212	.00116	214.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130114-F-4-A Acquired: 11/24/2021 8:27:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.00312**	**-.00054**	**-.00404**	**6.7808**	**.00156**
Stddev	.00018	.00177	.00121	.00252	.0615	.00031
%RSD	10.457	56.810	224.31	62.383	.90713	20.158
#1	.00192	.00184	-.00006	-.00343	6.8062	.00129
#2	.00180	.00238	-.00192	-.00682	6.8255	.00149
#3	.00156	.00514	.00036	-.00189	6.7107	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.64839**	**.00012**	**.00130**	**.00423**	**.00416**
Stddev	.01231	.00008	.00105	.00238	.00014
%RSD	1.8982	65.557	81.113	56.322	3.2898
#1	.64603	.00016	.00123	.00275	.00405
#2	.66170	.00018	.00238	.00296	.00431
#3	.63743	.00003	.00028	.00697	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1789.4**	**3484.4**	**51504.**	**4670.9**
Stddev	13.3	21.1	83.	27.7
%RSD	.74506	.60509	.16032	.59210
#1	1797.6	3492.2	51488.	4694.4
#2	1774.0	3460.6	51593.	4640.4
#3	1796.6	3500.5	51430.	4677.9

Sample Name: 180-130165-C-1-A DU Acquired: 11/24/2021 8:31:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.31081**	**.00590**	**8.2448**	**.02729**	**.00005**
Stddev	.00029	.03654	.00246	.0165	.00010	.00006
%RSD	83.211	11.756	41.746	.20069	.35251	109.98
#1	-.00064	.32095	.00721	8.2639	.02719	.00002
#2	-.00005	.34121	.00744	8.2354	.02737	.00012
#3	-.00037	.27028	.00306	8.2351	.02732	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.680**	**-.00002**	**.00136**	**.00014**	**.00041**	**.13371**
Stddev	.045	.00009	.00024	.00009	.00022	.00040
%RSD	.13360	531.29	17.481	66.842	54.492	.30179
#1	33.731	.00001	.00114	.00011	.00015	.13327
#2	33.646	-.00011	.00161	.00025	.00056	.13381
#3	33.663	.00005	.00131	.00007	.00052	.13406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8352**	**.00982**	**2.2305**	**.00623**	**.00234**	**328.20**
Stddev	.0240	.00086	.0119	.00003	.00006	2.92
%RSD	.62463	8.7645	.53301	.48715	2.6828	.88985
#1	3.8467	.00911	2.2327	.00623	.00232	331.53
#2	3.8512	.00957	2.2411	.00626	.00229	326.05
#3	3.8077	.01077	2.2176	.00620	.00241	327.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1-A DU Acquired: 11/24/2021 8:31:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00030**	**.00352**	**-.00321**	**2.4867**	**.00242**
Stddev	.00018	.00153	.00076	.00201	.0073	.00019
%RSD	3.8089	515.99	21.700	62.536	.29153	7.9326
#1	.00472	.00205	.00387	-.00422	2.4832	.00263
#2	.00493	-.00075	.00405	-.00451	2.4950	.00235
#3	.00457	-.00041	.00265	-.00090	2.4819	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12428**	**.00025**	**.00040**	**.00202**	**.02136**
Stddev	.00322	.00015	.00182	.00507	.00007
%RSD	2.5897	60.216	461.03	251.07	.33079
#1	.12424	.00040	.00059	.00778	.02137
#2	.12752	.00028	-.00152	-.00173	.02128
#3	.12108	.00009	.00211	-.00000	.02142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1829.1**	**3577.5**	**52118.**	**4745.9**
Stddev	4.6	4.1	191.	15.6
%RSD	.25371	.11526	.36661	.32868
#1	1824.3	3572.8	52052.	4731.7
#2	1829.2	3579.1	51968.	4743.3
#3	1833.6	3580.6	52333.	4762.6

Sample Name: 180-130165-C-1-B Acquired: 11/24/2021 8:36:39 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.29946**	**.00586**	**8.2678**	**.02721**	**.00006**
Stddev	.00021	.01861	.00281	.0812	.00042	.00012
%RSD	135.88	6.2151	47.990	.98194	1.5569	200.48
#1	-.00002	.27845	.00265	8.2040	.02768	.00003
#2	-.00039	.31390	.00704	8.2402	.02684	.00020
#3	-.00005	.30602	.00788	8.3591	.02712	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.480**	**-.00012**	**.00133**	**.00020**	**.00075**	**.13833**
Stddev	.124	.00006	.00022	.00024	.00060	.00398
%RSD	.36899	48.347	16.505	121.73	79.973	2.8750
#1	33.621	-.00019	.00143	-.00000	.00035	.14215
#2	33.431	-.00008	.00108	.00047	.00046	.13421
#3	33.388	-.00009	.00148	.00013	.00145	.13865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8544**	**.01045**	**2.1839**	**.00618**	**.00205**	**320.61**
Stddev	.0557	.00029	.0188	.00009	.00012	2.82
%RSD	1.4448	2.7650	.86200	1.4153	5.6125	.87894
#1	3.9125	.01065	2.1982	.00619	.00200	319.97
#2	3.8494	.01012	2.1910	.00627	.00197	318.17
#3	3.8014	.01058	2.1626	.00609	.00218	323.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1-B Acquired: 11/24/2021 8:36:39 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00020**	**.00242**	**-.00297**	**2.4655**	**.00129**
Stddev	.00040	.00107	.00143	.00119	.0143	.00038
%RSD	8.8025	521.92	59.312	40.162	.57980	29.428
#1	.00482	.00130	.00252	-.00404	2.4706	.00105
#2	.00470	-.00082	.00094	-.00319	2.4493	.00109
#3	.00407	.00013	.00380	-.00168	2.4765	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12303**	**.00073**	**.00200**	**.00225**	**.02169**
Stddev	.01358	.00074	.00036	.00262	.00009
%RSD	11.038	102.26	17.843	116.33	.40205
#1	.12846	.00038	.00238	.00307	.02167
#2	.10757	.00158	.00194	.00436	.02161
#3	.13305	.00022	.00167	-.00068	.02178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1806.2**	**3548.4**	**51841.**	**4709.5**
Stddev	11.1	23.2	101.	15.2
%RSD	.61295	.65334	.19452	.32244
#1	1813.5	3563.4	51863.	4694.2
#2	1811.5	3560.1	51731.	4724.6
#3	1793.4	3521.7	51928.	4709.8

Sample Name: 180-130165-C-1B SD@5 Acquired: 11/24/2021 8:41:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.04880**	**.00085**	**1.6533**	**.00587**	**-.00001**
Stddev	.00054	.02816	.00214	.0037	.00007	.00018
%RSD	18251.	57.699	252.42	.22259	1.2242	2626.5
#1	.00057	.07710	-.00141	1.6548	.00589	.00018
#2	-.00007	.04850	.00110	1.6491	.00593	-.00002
#3	-.00050	.02079	.00285	1.6560	.00579	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9807**	**.00000**	**.00036**	**.00012**	**-.00001**	**.03154**
Stddev	.0261	.00003	.00008	.00037	.00022	.00255
%RSD	.37440	4741.2	23.083	321.71	2306.3	8.0981
#1	6.9617	-.00003	.00030	.00030	.00023	.02871
#2	7.0105	-.00001	.00046	-.00031	-.00019	.03224
#3	6.9699	.00004	.00034	.00036	-.00008	.03367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85402**	**.00373**	**.41321**	**.00127**	**.00052**	**67.237**
Stddev	.03268	.00094	.00951	.00005	.00003	.276
%RSD	3.8267	25.144	2.3026	4.2929	5.2655	.41012
#1	.84268	.00454	.40231	.00124	.00054	66.918
#2	.89086	.00393	.41989	.00133	.00052	67.398
#3	.82852	.00270	.41741	.00123	.00049	67.394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-C-1B SD@5 Acquired: 11/24/2021 8:41:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00064**	**-.00024**	**-.00250**	**.49711**	**-.00072**
Stddev	.00057	.00102	.00133	.00064	.01735	.00075
%RSD	68.739	158.94	556.24	25.592	3.4904	103.43
#1	.00082	-.00175	.00022	-.00248	.50300	-.00010
#2	.00140	-.00043	.00080	-.00187	.51074	-.00052
#3	.00026	.00025	-.00174	-.00314	.47758	-.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02378**	**-.00009**	**.00122**	**.00081**	**.00434**
Stddev	.00290	.00005	.00157	.00254	.00018
%RSD	12.216	55.155	129.09	313.65	4.1036
#1	.02588	-.00008	.00257	-.00192	.00451
#2	.02499	-.00005	-.00050	.00126	.00435
#3	.02046	-.00015	.00158	.00308	.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1984.7**	**3668.9**	**53826.**	**4738.5**
Stddev	5.7	8.2	151.	15.4
%RSD	.28707	.22271	.27990	.32583
#1	1978.6	3659.6	53842.	4751.7
#2	1985.9	3672.6	53968.	4721.5
#3	1989.8	3674.6	53668.	4742.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 8:46:04 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99718**	**24.370**	**.49948**	**2.0234**	**1.9860**	**2.0210**
Stddev	.00033	.071	.00119	.0024	.0026	.0060
%RSD	.03275	.29275	.23920	.11609	.13146	.29495
#1	.99683	24.323	.50082	2.0237	1.9877	2.0148
#2	.99748	24.452	.49852	2.0209	1.9872	2.0267
#3	.99722	24.334	.49909	2.0255	1.9830	2.0215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.505**	**.50089**	**2.0119**	**1.9559**	**1.9602**	**24.688**
Stddev	.144	.00054	.0033	.0041	.0030	.063
%RSD	.29090	.10707	.16548	.21172	.15207	.25325
#1	49.670	.50123	2.0082	1.9537	1.9624	24.682
#2	49.438	.50027	2.0128	1.9607	1.9568	24.754
#3	49.406	.50117	2.0147	1.9533	1.9613	24.629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.76**	**2.0294**	**48.636**	**1.9370**	**1.9190**	**123.06**
Stddev	.59	.0044	.155	.0033	.0022	.78
%RSD	.48539	.21683	.31846	.17110	.11267	.63395
#1	120.11	2.0334	48.500	1.9371	1.9204	122.20
#2	121.24	2.0302	48.602	1.9403	1.9165	123.71
#3	120.95	2.0247	48.804	1.9337	1.9202	123.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 8:46:04 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0247**	**.50620**	**.49349**	**.50452**	**2.0045**	**1.8680**
Stddev	.0049	.00374	.00194	.00411	.0099	.0017
%RSD	.24274	.73801	.39373	.81512	.49589	.08957
#1	2.0194	.50334	.49477	.50878	2.0027	1.8673
#2	2.0291	.51043	.49445	.50419	1.9957	1.8669
#3	2.0257	.50484	.49126	.50057	2.0153	1.8699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9875**	**1.9821**	**.95403**	**1.9876**	**1.9528**
Stddev	.0112	.0043	.00048	.0171	.0019
%RSD	.56279	.21952	.05038	.86075	.09555
#1	1.9828	1.9826	.95363	1.9943	1.9513
#2	1.9794	1.9862	.95390	2.0003	1.9523
#3	2.0003	1.9775	.95457	1.9681	1.9549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.9**	**3584.0**	**52578.**	**4686.9**
Stddev	3.9	3.0	109.	7.1
%RSD	.21377	.08475	.20782	.15206
#1	1810.2	3581.2	52529.	4680.1
#2	1804.7	3587.2	52502.	4694.3
#3	1802.8	3583.6	52703.	4686.2

Sample Name: CCB4 Acquired: 11/24/2021 8:50:27 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00575**	**.00037**	**.00676**	**.00003**	**.00013**
Stddev	.00021	.03397	.00222	.00053	.00002	.00007
%RSD	72.140	590.29	593.76	7.8950	68.392	52.133
#1	.00041	.02859	.00140	.00735	.00003	.00011
#2	.00005	-.03328	.00190	.00661	.00006	.00007
#3	.00039	.02196	-.00218	.00632	.00001	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00009**	**.00006**	**.00029**	**.00033**	**.00003**
Stddev	.00517	.00013	.00014	.00056	.00055	.00207
%RSD	1479.9	139.51	234.10	191.79	167.44	7110.8
#1	.00317	-.00002	.00005	.00035	.00097	.00220
#2	.00350	.00023	-.00008	.00081	.00004	-.00021
#3	-.00562	.00007	.00020	-.00030	-.00001	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10568**	**.00186**	**-.00876**	**.00001**	**.00474**	**.07408**
Stddev	.03260	.00104	.01261	.00000	.00069	.00706
%RSD	30.849	55.972	143.92	15.891	14.526	9.5247
#1	.08683	.00264	-.02000	.00001	.00549	.07542
#2	.14332	.00228	-.01118	.00002	.00457	.06645
#3	.08688	.00068	.00488	.00001	.00414	.08036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 11/24/2021 8:50:27 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00051**	**.00071**	**-.00317**	**-.00450**	**-.00083**
Stddev	.00027	.00035	.00092	.00024	.00404	.00063
%RSD	51.896	68.245	130.16	7.5825	89.855	76.026
#1	.00028	-.00090	.00034	-.00291	-.00598	-.00152
#2	.00045	-.00036	.00003	-.00338	.00008	-.00027
#3	.00080	-.00026	.00176	-.00322	-.00759	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00014**	**.00038**	**.00177**	**.00008**
Stddev	.00344	.00014	.00047	.00492	.00044
%RSD	255.48	100.20	123.77	278.50	542.41
#1	.00196	-.00001	.00084	-.00268	-.00014
#2	-.00490	.00017	.00040	.00705	.00059
#3	-.00110	.00027	-.00010	.00093	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.0**	**3789.5**	**56094.**	**4729.6**
Stddev	2.1	7.2	158.	15.4
%RSD	.09664	.19092	.28241	.32567
#1	2134.0	3781.3	56266.	4746.1
#2	2135.8	3792.1	55955.	4727.0
#3	2138.1	3795.0	56059.	4715.6

Sample Name: 180-130165-B-1-B MS Acquired: 11/24/2021 8:55:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26563**	**5.5196**	**1.1080**	**9.9421**	**1.0551**	**.53131**
Stddev	.00070	.0066	.0014	.0092	.0079	.00403
%RSD	.26358	.11877	.12590	.09261	.74891	.75896
#1	.26552	5.5199	1.1093	9.9423	1.0461	.52667
#2	.26638	5.5129	1.1065	9.9327	1.0610	.53334
#3	.26499	5.5260	1.1081	9.9511	1.0581	.53394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.185**	**.53318**	**.53520**	**.51068**	**.52582**	**5.3609**
Stddev	.273	.00056	.00101	.00160	.00143	.0189
%RSD	.44637	.10591	.18846	.31358	.27205	.35299
#1	60.895	.53260	.53636	.50996	.52671	5.3420
#2	61.437	.53372	.53472	.51251	.52658	5.3610
#3	61.224	.53323	.53452	.50957	.52417	5.3798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.806**	**.55324**	**28.001**	**.51137**	**.49540**	**370.68**
Stddev	.239	.00285	.291	.00139	.00172	3.81
%RSD	.77719	.51463	1.0383	.27160	.34727	1.0288
#1	30.530	.55009	27.669	.51083	.49479	367.15
#2	30.946	.55563	28.125	.51295	.49406	374.72
#3	30.943	.55399	28.210	.51034	.49734	370.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130165-B-1-B MS Acquired: 11/24/2021 8:55:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53233**	**.52203**	**.25413**	**1.0842**	**3.6864**	**.97736**
Stddev	.00204	.00104	.00179	.0013	.0208	.00061
%RSD	.38400	.19937	.70273	.11713	.56365	.06233
#1	.53366	.52276	.25552	1.0842	3.6630	.97772
#2	.53336	.52248	.25212	1.0829	3.7027	.97666
#3	.52997	.52083	.25475	1.0855	3.6937	.97770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.64425**	**.52319**	**.97815**	**.52034**	**.28470**
Stddev	.00811	.00070	.00171	.00300	.00040
%RSD	1.2591	.13434	.17532	.57662	.14105
#1	.63531	.52314	.97998	.52379	.28481
#2	.64632	.52391	.97790	.51837	.28504
#3	.65113	.52251	.97658	.51884	.28426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1768.7**	**3531.5**	**51721.**	**4657.6**
Stddev	.6	4.8	146.	28.4
%RSD	.03319	.13522	.28191	.60889
#1	1768.6	3536.1	51610.	4690.3
#2	1768.1	3531.8	51667.	4639.5
#3	1769.3	3526.6	51886.	4643.1

Sample Name: MB 180-379951/1-A Acquired: 11/24/2021 8:59:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00791**	**.00105**	**.01136**	**.00015**	**.00000**
Stddev	.00035	.02156	.00101	.00103	.00003	.00011
%RSD	736.69	272.49	96.402	9.1038	20.842	2186.0
#1	.00019	.03217	.00217	.01228	.00011	-.00010
#2	.00031	.00064	.00021	.01157	.00017	-.00001
#3	-.00035	-.00907	.00076	.01024	.00017	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01935**	**.00006**	**.00008**	**.00044**	**.00131**	**-.00027**
Stddev	.00250	.00013	.00018	.00035	.00059	.00127
%RSD	12.920	220.65	243.74	81.331	45.423	471.59
#1	.02016	.00013	-.00013	.00020	.00199	-.00069
#2	.02134	-.00009	.00022	.00084	.00098	-.00127
#3	.01654	.00014	.00014	.00027	.00094	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10198**	**.00220**	**-.00477**	**.00073**	**.00300**	**.12722**
Stddev	.01743	.00090	.00900	.00005	.00072	.00957
%RSD	17.093	41.018	188.89	6.1491	24.063	7.5234
#1	.10820	.00324	-.01498	.00072	.00368	.13814
#2	.08229	.00157	.00203	.00078	.00307	.12027
#3	.11544	.00180	-.00136	.00069	.00224	.12326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379951/1-A Acquired: 11/24/2021 8:59:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00130**	**.00117**	**.00011**	**-.00254**	**.00723**
Stddev	.00049	.00100	.00094	.00113	.00953	.00096
%RSD	1857.6	77.001	79.946	1039.9	374.62	13.275
#1	.00049	-.00118	.00178	.00138	-.01172	.00612
#2	-.00007	-.00236	.00009	-.00029	.00730	.00769
#3	-.00050	-.00037	.00164	-.00076	-.00321	.00787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00438**	**.00017**	**-.00036**	**.00135**	**.00052**
Stddev	.00608	.00013	.00081	.00222	.00018
%RSD	138.81	73.207	228.28	164.57	34.658
#1	-.00207	.00032	.00002	.00225	.00037
#2	.00522	.00009	-.00129	-.00118	.00072
#3	.01000	.00011	.00020	.00299	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.7**	**3803.1**	**56000.**	**4796.7**
Stddev	8.1	10.7	201.	38.4
%RSD	.38074	.28011	.35824	.79986
#1	2127.9	3790.9	55892.	4816.5
#2	2138.3	3807.7	56232.	4752.5
#3	2143.9	3810.7	55877.	4821.1

Sample Name: LCS 180-379951/2-A Acquired: 11/24/2021 9:04:17 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23208**	**4.7744**	**.95902**	**1.2070**	**.95653**	**.49346**
Stddev	.00095	.0459	.00241	.0038	.00163	.00057
%RSD	.40726	.96152	.25167	.31471	.17071	.11468
#1	.23180	4.7234	.95927	1.2077	.95468	.49281
#2	.23131	4.8124	.96130	1.2105	.95777	.49385
#3	.23313	4.7875	.95649	1.2030	.95715	.49372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.033**	**.47255**	**.47030**	**.47514**	**.48207**	**4.7648**
Stddev	.028	.00141	.00111	.00127	.00102	.0055
%RSD	.11608	.29829	.23507	.26791	.21232	.11466
#1	24.015	.47380	.46944	.47581	.48206	4.7632
#2	24.019	.47282	.46991	.47367	.48106	4.7709
#3	24.065	.47102	.47154	.47593	.48311	4.7603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.955**	**.49605**	**23.519**	**.47529**	**.46885**	**23.631**
Stddev	.038	.00141	.078	.00156	.00135	.017
%RSD	.16706	.28348	.33320	.32784	.28802	.07105
#1	22.926	.49766	23.457	.47613	.47037	23.632
#2	22.998	.49544	23.493	.47349	.46841	23.647
#3	22.941	.49506	23.607	.47624	.46778	23.614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379951/2-A Acquired: 11/24/2021 9:04:17 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46696**	**.46256**	**.22040**	**.93422**	**.98035**	**.93479**
Stddev	.00110	.00229	.00312	.00519	.00279	.00212
%RSD	.23590	.49444	1.4176	.55554	.28413	.22645
#1	.46604	.46460	.21861	.93937	.98342	.93684
#2	.46668	.46298	.22401	.93430	.97799	.93493
#3	.46818	.46009	.21858	.92899	.97965	.93261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48229**	**.48907**	**.88876**	**.47595**	**.23339**
Stddev	.00547	.00087	.00062	.00373	.00021
%RSD	1.1344	.17830	.07000	.78422	.08855
#1	.47601	.48884	.88855	.47481	.23354
#2	.48481	.48833	.88826	.48012	.23315
#3	.48605	.49003	.88946	.47292	.23347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1974.2**	**3689.8**	**54165.**	**4736.5**
Stddev	1.8	11.8	234.	30.1
%RSD	.08933	.31882	.43164	.63518
#1	1972.2	3678.4	53969.	4701.8
#2	1975.1	3688.9	54424.	4753.4
#3	1975.4	3701.9	54103.	4754.4

Sample Name: 180-130094-B-1-C Acquired: 11/24/2021 9:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00705**	**9.0493**	**.01080**	**.37047**	**2.6815**	**.00492**
Stddev	.00037	.0357	.00202	.00115	.0039	.00011
%RSD	5.2617	.39503	18.667	.31030	.14695	2.1588
#1	.00709	9.0326	.00931	.37150	2.6845	.00484
#2	.00740	9.0904	.00999	.37067	2.6830	.00488
#3	.00666	9.0250	.01309	.36923	2.6770	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**152.88**	**.00754**	**.12083**	**.05367**	**.64975**	**5.3996**
Stddev	.35	.00002	.00024	.00051	.00096	.0340
%RSD	.22877	.20585	.20203	.95068	.14831	.62891
#1	152.48	.00756	.12095	.05384	.64963	5.3616
#2	153.13	.00753	.12054	.05407	.65077	5.4270
#3	153.03	.00754	.12098	.05309	.64885	5.4102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92403**	**.00937**	**9.4244**	F **51.099**	**.03448**	**1.6829**
Stddev	.04491	.00141	.0780	.160	.00034	.0088
%RSD	4.8603	15.037	.82715	.31336	.98025	.52005
#1	.88611	.00792	9.3356	51.242	.03452	1.6740
#2	.91235	.00946	9.4813	50.926	.03479	1.6832
#3	.97363	.01073	9.4564	51.130	.03412	1.6915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-C Acquired: 11/24/2021 9:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10268**	**.01131**	**.00108**	**.02853**	**4.0614**	**.03719**
Stddev	.00064	.00068	.00103	.00348	.0329	.00116
%RSD	.62118	6.0274	95.373	12.201	.81078	3.1060
#1	.10292	.01207	.00012	.03036	4.0380	.03851
#2	.10196	.01076	.00216	.02451	4.0991	.03633
#3	.10316	.01110	.00096	.03070	4.0472	.03675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.89232**	**.71814**	**.01450**	**.11355**	**.45264**
Stddev	.00987	.00094	.00078	.00190	.00046
%RSD	1.1064	.13121	5.3919	1.6774	.10066
#1	.88100	.71708	.01395	.11141	.45243
#2	.89676	.71842	.01415	.11420	.45316
#3	.89919	.71890	.01539	.11505	.45232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1908.0**	**3720.9**	**55408.**	**4899.9**
Stddev	1.9	4.3	140.	34.2
%RSD	.10054	.11666	.25343	.69733
#1	1907.1	3721.7	55500.	4939.0
#2	1910.2	3716.2	55246.	4875.7
#3	1906.7	3724.8	55477.	4885.1

Sample Name: 180-130094-B-1C SD@5 Acquired: 11/24/2021 9:13:20 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**1.7733**	**.00402**	**.07552**	**.53153**	**.00097**
Stddev	.00063	.0111	.00310	.00062	.00147	.00010
%RSD	39.435	.62530	77.029	.82574	.27697	10.474
#1	.00151	1.7682	.00327	.07558	.53016	.00096
#2	.00102	1.7860	.00742	.07488	.53309	.00108
#3	.00227	1.7657	.00136	.07612	.53134	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.801**	**.00151**	**.02341**	**.01115**	**.12729**	**1.0861**
Stddev	.061	.00005	.00033	.00002	.00049	.0036
%RSD	.19825	3.4709	1.4083	.21342	.38473	.32931
#1	30.748	.00157	.02377	.01116	.12782	1.0845
#2	30.868	.00147	.02332	.01118	.12718	1.0837
#3	30.787	.00150	.02313	.01113	.12686	1.0902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16179**	**.00136**	**1.8765**	**14.126**	**.00710**	**.33955**
Stddev	.03215	.00069	.0419	.059	.00022	.00247
%RSD	19.870	50.755	2.2343	.41770	3.1186	.72608
#1	.19879	.00168	1.9201	14.174	.00714	.34232
#2	.14583	.00057	1.8365	14.144	.00730	.33761
#3	.14074	.00185	1.8728	14.060	.00687	.33872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-B-1C SD@5 Acquired: 11/24/2021 9:13:20 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01980**	**.00146**	**.00135**	**.00180**	**.79882**	**.00679**
Stddev	.00031	.00128	.00131	.00242	.00939	.00027
%RSD	1.5588	87.371	97.144	134.96	1.1757	4.0381
#1	.02007	.00057	.00102	.00172	.79419	.00653
#2	.01986	.00293	.00280	.00426	.79264	.00707
#3	.01946	.00089	.00024	-.00059	.80962	.00677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18454**	**.14347**	**-.00026**	**.02018**	**.09201**
Stddev	.00631	.00054	.00128	.00438	.00059
%RSD	3.4215	.37394	487.31	21.700	.63634
#1	.18978	.14351	-.00124	.02021	.09268
#2	.17753	.14291	-.00075	.02454	.09176
#3	.18632	.14398	.00119	.01578	.09160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2083.0**	**3814.8**	**56440.**	**4836.1**
Stddev	8.8	14.9	341.	14.4
%RSD	.42210	.39129	.60330	.29741
#1	2074.1	3797.8	56058.	4820.9
#2	2083.1	3821.2	56555.	4849.6
#3	2091.7	3825.5	56709.	4837.7

Sample Name: 180-130094-B-1-D MS Acquired: 11/24/2021 9:18:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19282**	**15.230**	**.78058**	**1.3012**	**3.6319**	**.39152**
Stddev	.00101	.058	.00283	.0032	.0068	.00184
%RSD	.52584	.38157	.36295	.24494	.18606	.47081
#1	.19347	15.222	.77772	1.3010	3.6266	.39143
#2	.19166	15.177	.78338	1.2981	3.6296	.38973
#3	.19334	15.292	.78065	1.3045	3.6395	.39341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**169.27**	**.38269**	**.51584**	**.43263**	**.98484**	**9.3889**
Stddev	.79	.00043	.00097	.00302	.00289	.0362
%RSD	.46754	.11287	.18827	.69830	.29318	.38558
#1	169.31	.38307	.51494	.43210	.98774	9.3947
#2	168.45	.38222	.51687	.42991	.98481	9.3501
#3	170.03	.38279	.51571	.43588	.98196	9.4218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.145**	**.40969**	**27.857**	F **50.890**	**.36837**	**20.248**
Stddev	.083	.00125	.279	.204	.00070	.084
%RSD	.43489	.30507	1.0006	.40079	.18910	.41649
#1	19.133	.41099	27.818	51.068	.36867	20.246
#2	19.068	.40850	27.600	50.667	.36886	20.165
#3	19.234	.40959	28.153	50.935	.36757	20.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-D MS Acquired: 11/24/2021 9:18:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48447**	**.39033**	**.09884**	**.78520**	**5.1354**	**.68231**
Stddev	.00104	.00118	.00215	.00348	.0206	.00319
%RSD	.21563	.30189	2.1722	.44333	.40055	.46724
#1	.48424	.39169	.10101	.78295	5.1158	.68598
#2	.48561	.38963	.09672	.78343	5.1335	.68021
#3	.48356	.38967	.09880	.78921	5.1569	.68074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2352**	**1.1266**	**.61779**	**.49385**	**.64427**
Stddev	.0130	.0016	.00226	.00411	.00157
%RSD	1.0514	.13857	.36523	.83210	.24332
#1	1.2448	1.1258	.61707	.49387	.64516
#2	1.2204	1.1284	.62031	.49796	.64519
#3	1.2404	1.1255	.61597	.48974	.64246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1853.6**	**3729.3**	**55050.**	**4902.7**
Stddev	.4	4.4	264.	59.8
%RSD	.01994	.11704	.47948	1.2198
#1	1853.7	3725.7	54749.	4877.7
#2	1853.2	3728.1	55239.	4970.9
#3	1853.8	3734.2	55163.	4859.5

Sample Name: 180-130094-B-1-E MSD Acquired: 11/24/2021 9:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19992**	**14.099**	**.80804**	**1.3076**	**3.1155**	**.40178**
Stddev	.00061	.054	.00374	.0071	.0071	.00141
%RSD	.30704	.38041	.46313	.54239	.22707	.34986
#1	.20005	14.122	.80904	1.3005	3.1233	.40296
#2	.19925	14.137	.80390	1.3075	3.1135	.40023
#3	.20046	14.037	.81119	1.3147	3.1095	.40215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.46**	**.39428**	**.51600**	**.43404**	**.93911**	**9.2973**
Stddev	.22	.00173	.00167	.00181	.00256	.0152
%RSD	.14233	.43979	.32363	.41675	.27271	.16349
#1	153.72	.39241	.51472	.43283	.94114	9.2797
#2	153.32	.39463	.51538	.43316	.93994	9.3065
#3	153.35	.39582	.51789	.43612	.93623	9.3056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.695**	**.42025**	**27.363**	F **46.466**	**.38403**	**20.737**
Stddev	.022	.00235	.056	.183	.00238	.088
%RSD	.11237	.55946	.20507	.39364	.61966	.42283
#1	19.702	.42080	27.348	46.673	.38140	20.794
#2	19.713	.42228	27.315	46.324	.38466	20.636
#3	19.670	.41767	27.424	46.402	.38604	20.781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-E MSD Acquired: 11/24/2021 9:22:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48900**	**.39898**	**.11372**	**.80378**	**5.0532**	**.72006**
Stddev	.00228	.00530	.00175	.00671	.0330	.00367
%RSD	.46608	1.3292	1.5391	.83489	.65372	.50908
#1	.48819	.39379	.11182	.79861	5.0708	.71589
#2	.48723	.39876	.11527	.80138	5.0151	.72157
#3	.49157	.40439	.11406	.81137	5.0737	.72274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1330**	**1.0670**	**.65882**	**.49181**	**.59883**
Stddev	.0145	.0031	.00368	.00572	.00271
%RSD	1.2811	.29031	.55880	1.1640	.45198
#1	1.1436	1.0635	.65810	.48520	.59622
#2	1.1391	1.0680	.65556	.49492	.59865
#3	1.1165	1.0694	.66281	.49530	.60162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1845.7**	**3705.9**	**54660.**	**4897.9**
Stddev	4.8	6.1	228.	20.0
%RSD	.25973	.16470	.41744	.40828
#1	1846.5	3712.3	54401.	4899.7
#2	1850.0	3705.4	54748.	4916.9
#3	1840.5	3700.1	54831.	4877.0

Sample Name: 180-130094-B-1-C PDS Acquired: 11/24/2021 9:27:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24550**	**13.642**	**.94628**	**1.6046**	**3.5332**	**.45759**
Stddev	.00134	.057	.00554	.0057	.0138	.00289
%RSD	.54414	.41551	.58567	.35519	.39174	.63167
#1	.24564	13.589	.94747	1.6050	3.5223	.45473
#2	.24410	13.702	.95113	1.6100	3.5285	.45755
#3	.24676	13.636	.94024	1.5987	3.5488	.46051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**172.53**	**.45797**	**.59438**	**.49133**	**1.1058**	**9.9971**
Stddev	.38	.00192	.00393	.00100	.0027	.0440
%RSD	.22072	.41818	.66058	.20280	.23945	.43973
#1	172.19	.45898	.59469	.49218	1.1063	9.9845
#2	172.94	.45917	.59814	.49023	1.1081	9.9607
#3	172.44	.45576	.59030	.49157	1.1029	10.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.002**	**.47909**	**31.956**	F **50.779**	**.47172**	**25.176**
Stddev	.239	.00180	.125	.216	.00233	.257
%RSD	.99523	.37655	.39006	.42455	.49400	1.0219
#1	23.819	.47750	31.812	50.980	.47292	25.058
#2	23.916	.47871	32.026	50.551	.47321	24.999
#3	24.272	.48105	32.029	50.805	.46904	25.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-B-1-C PDS Acquired: 11/24/2021 9:27:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56577**	**.46451**	**.22906**	**.95455**	**4.9002**	**.88255**
Stddev	.00390	.00376	.00246	.00258	.0282	.00326
%RSD	.68944	.80971	1.0746	.27022	.57483	.36929
#1	.56578	.46859	.22906	.95565	4.8889	.88442
#2	.56966	.46117	.23152	.95641	4.8794	.88446
#3	.56186	.46377	.22660	.95161	4.9322	.87879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3032**	**1.1695**	**.89806**	**.55374**	**.66889**
Stddev	.0033	.0021	.00647	.00611	.00161
%RSD	.25204	.17928	.72064	1.1026	.24073
#1	1.2994	1.1712	.89387	.55668	.67014
#2	1.3049	1.1671	.90551	.54672	.66945
#3	1.3052	1.1701	.89479	.55782	.66707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1818.5**	**3668.1**	**54592.**	**4956.0**
Stddev	8.3	14.1	148.	22.0
%RSD	.45602	.38446	.27135	.44472
#1	1815.8	3657.8	54478.	4973.6
#2	1811.8	3662.2	54760.	4931.3
#3	1827.8	3684.2	54539.	4963.1

Sample Name: 180-130094-A-2-B Acquired: 11/24/2021 9:31:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**7.6942**	**.01059**	**.35484**	**2.2992**	**.00472**
Stddev	.00012	.0490	.00188	.00214	.0046	.00019
%RSD	2.4068	.63705	17.756	.60387	.20192	4.0103
#1	.00483	7.6489	.01262	.35700	2.2940	.00465
#2	.00490	7.7462	.00890	.35482	2.3031	.00494
#3	.00506	7.6873	.01026	.35271	2.3004	.00458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.51**	**.00606**	**.10519**	**.05096**	**.50322**	**5.5857**
Stddev	.17	.00008	.00032	.00034	.00210	.0052
%RSD	.13152	1.3801	.30034	.67307	.41757	.09366
#1	125.49	.00599	.10494	.05064	.50080	5.5810
#2	125.69	.00615	.10554	.05093	.50431	5.5914
#3	125.36	.00604	.10507	.05132	.50456	5.5848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74421**	**.00807**	**8.0662**	F **45.154**	**.03040**	**1.2986**
Stddev	.03497	.00158	.0251	.191	.00022	.0072
%RSD	4.6994	19.548	.31071	.42293	.70969	.55682
#1	.74273	.00977	8.0530	44.960	.03065	1.3015
#2	.77990	.00666	8.0951	45.159	.03024	1.3039
#3	.71000	.00777	8.0504	45.342	.03032	1.2904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				18.000		
Low Limit				-.01500		

Sample Name: 180-130094-A-2-B Acquired: 11/24/2021 9:31:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08807**	**.01101**	**.00332**	**.02437**	**3.6663**	**.03580**
Stddev	.00040	.00187	.00076	.00302	.0111	.00015
%RSD	.45064	16.951	22.909	12.399	.30182	.41087
#1	.08853	.01178	.00414	.02505	3.6584	.03595
#2	.08779	.01236	.00318	.02699	3.6789	.03565
#3	.08790	.00888	.00264	.02107	3.6615	.03581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.72600**	**.78859**	**.01212**	**.10452**	**.40083**
Stddev	.00439	.00000	.00115	.00268	.00184
%RSD	.60494	.00031	9.5020	2.5610	.45879
#1	.72540	.78859	.01315	.10553	.40231
#2	.73065	.78860	.01233	.10654	.40142
#3	.72193	.78859	.01087	.10149	.39877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.6**	**3752.3**	**56378.**	**4954.9**
Stddev	3.5	15.4	192.	10.5
%RSD	.17945	.41022	.34103	.21146
#1	1936.7	3736.5	56488.	4946.4
#2	1941.8	3753.2	56490.	4951.7
#3	1943.3	3767.2	56156.	4966.7

Sample Name: 180-130094-B-3-C Acquired: 11/24/2021 9:36:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**7.0202**	**.00816**	**.23020**	**.17745**	**.00485**
Stddev	.00017	.0206	.00063	.00107	.00027	.00006
%RSD	441.63	.29320	7.6720	.46603	.14952	1.1482
#1	.00014	7.0217	.00858	.23012	.17762	.00490
#2	-.00007	7.0399	.00744	.22918	.17758	.00486
#3	-.00019	6.9988	.00845	.23132	.17714	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1161**	**.00040**	**.03088**	**.01064**	**.05097**	**3.4932**
Stddev	.0140	.00007	.00022	.00037	.00094	.0200
%RSD	.22908	16.125	.71365	3.4908	1.8422	.57210
#1	6.1148	.00042	.03106	.01049	.05159	3.5104
#2	6.1307	.00046	.03063	.01107	.04989	3.4978
#3	6.1028	.00033	.03094	.01038	.05143	3.4713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51683**	**.00674**	**1.1296**	**.03589**	**.00244**	**15.134**
Stddev	.03187	.00164	.0292	.00029	.00019	.067
%RSD	6.1663	24.266	2.5867	.79489	7.6963	.44311
#1	.52216	.00857	1.1025	.03571	.00225	15.188
#2	.54569	.00623	1.1605	.03573	.00262	15.154
#3	.48263	.00542	1.1257	.03621	.00246	15.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-B-3-C Acquired: 11/24/2021 9:36:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04189**	**.00048**	**.00299**	**.00583**	**3.5283**	**.03221**
Stddev	.00044	.00049	.00155	.00179	.0200	.00055
%RSD	1.0403	102.28	51.883	30.640	.56758	1.6966
#1	.04145	.00096	.00406	.00774	3.5489	.03221
#2	.04188	-.00003	.00368	.00421	3.5089	.03167
#3	.04232	.00052	.00121	.00553	3.5271	.03276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20571**	**.41032**	**.00022**	**.53928**	**.01921**
Stddev	.00681	.00246	.00134	.00252	.00030
%RSD	3.3082	.60023	610.99	.46778	1.5739
#1	.19937	.40855	-.00052	.53670	.01900
#2	.20485	.40928	-.00059	.53941	.01908
#3	.21290	.41314	.00176	.54174	.01956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2069.9**	**3850.3**	**57233.**	**4965.6**
Stddev	10.9	19.7	447.	2.3
%RSD	.52522	.51290	.78017	.04684
#1	2076.8	3852.1	57719.	4963.6
#2	2075.5	3869.1	57139.	4965.2
#3	2057.4	3829.7	56841.	4968.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 9:40:48 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98857**	**24.246**	**.48936**	**1.9847**	**1.9470**	**1.9933**
Stddev	.00423	.160	.00028	.0007	.0093	.0046
%RSD	.42751	.65945	.05754	.03307	.47585	.23101
#1	.99310	24.429	.48947	1.9855	1.9559	1.9958
#2	.98787	24.169	.48904	1.9843	1.9477	1.9961
#3	.98474	24.138	.48957	1.9844	1.9374	1.9880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.062**	**.49619**	**1.9908**	**1.9342**	**1.9394**	**24.342**
Stddev	.441	.00059	.0033	.0043	.0058	.052
%RSD	.89980	.11883	.16498	.22310	.29740	.21245
#1	49.520	.49671	1.9944	1.9330	1.9453	24.381
#2	49.028	.49555	1.9902	1.9389	1.9392	24.363
#3	48.639	.49631	1.9879	1.9306	1.9338	24.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.08**	**2.0140**	**48.169**	**1.9107**	**1.9060**	**121.67**
Stddev	.04	.0126	.178	.0022	.0043	.04
%RSD	.03314	.62622	.36942	.11703	.22684	.03375
#1	119.03	2.0249	48.283	1.9112	1.9074	121.62
#2	119.10	2.0170	48.260	1.9127	1.9011	121.70
#3	119.10	2.0002	47.964	1.9083	1.9094	121.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 9:40:48 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9964**	**.49912**	**.48829**	**.49622**	**1.9911**	**1.8491**
Stddev	.0043	.00298	.00255	.00231	.0223	.0071
%RSD	.21796	.59641	.52319	.46515	1.1221	.38269
#1	1.9977	.50010	.48811	.49858	2.0134	1.8569
#2	1.9999	.50148	.48583	.49397	1.9911	1.8432
#3	1.9915	.49577	.49093	.49611	1.9687	1.8471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9663**	**1.9564**	**.94245**	**1.9609**	**1.9306**
Stddev	.0052	.0014	.00177	.0194	.0051
%RSD	.26477	.07245	.18737	.99150	.26260
#1	1.9719	1.9570	.94313	1.9832	1.9365
#2	1.9616	1.9574	.94376	1.9521	1.9279
#3	1.9654	1.9548	.94044	1.9475	1.9275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1833.9**	**3640.3**	**53302.**	**4727.2**
Stddev	2.9	1.9	102.	45.5
%RSD	.15580	.05163	.19198	.96226
#1	1833.5	3638.5	53188.	4677.1
#2	1831.3	3640.1	53331.	4738.9
#3	1836.9	3642.2	53386.	4765.8

Sample Name: CCB5 Acquired: 11/24/2021 9:45:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00417**	**-.00154**	**.00419**	**-.00000**	**.00000**
Stddev	.00061	.02768	.00139	.00009	.00020	.00002
%RSD	784.80	663.31	90.216	2.0763	11390.	2997.5
#1	-.00002	-.02752	-.00195	.00409	.00015	-.00002
#2	-.00048	.02364	.00001	.00422	.00007	.00001
#3	.00073	.01640	-.00267	.00426	-.00022	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**.00002**	**.00005**	**-.00003**	**.00071**	**.00143**
Stddev	.00394	.00018	.00017	.00024	.00071	.00220
%RSD	97.176	757.53	348.80	753.00	99.384	153.88
#1	.00005	.00023	-.00015	.00020	.00111	.00283
#2	.00793	-.00008	.00015	-.00027	-.00010	.00257
#3	.00418	-.00007	.00014	-.00003	.00112	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06068**	**.00182**	**-.00223**	**.00026**	**.00443**	**.02684**
Stddev	.02861	.00133	.02987	.00004	.00070	.00468
%RSD	47.149	73.160	1341.1	14.969	15.776	17.439
#1	.03013	.00332	.00960	.00025	.00522	.02144
#2	.08685	.00077	-.03620	.00031	.00414	.02969
#3	.06507	.00138	.01991	.00023	.00392	.02940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 11/24/2021 9:45:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00120**	**.00094**	**-.00239**	**-.00427**	**-.00017**
Stddev	.00036	.00083	.00076	.00120	.00639	.00077
%RSD	280.21	69.066	80.174	50.136	149.40	450.34
#1	.00051	-.00053	.00046	-.00110	.00245	.00017
#2	.00009	-.00095	.00181	-.00346	-.01025	-.00106
#3	-.00021	-.00213	.00056	-.00260	-.00503	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00308**	**.00025**	**.00045**	**.00466**	**.00000**
Stddev	.01078	.00015	.00030	.00115	.00012
%RSD	350.42	59.961	65.390	24.690	6830.5
#1	-.00295	.00037	.00068	.00341	.00013
#2	.00764	.00008	.00056	.00567	-.00003
#3	-.01392	.00029	.00012	.00490	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2140.4**	**3790.4**	**55932.**	**4754.3**
Stddev	3.8	6.1	118.	48.9
%RSD	.17965	.16220	.21066	1.0295
#1	2144.8	3793.8	55846.	4799.1
#2	2138.9	3794.1	55883.	4702.1
#3	2137.5	3783.3	56066.	4761.7

Sample Name: 180-130094-A-4-B Acquired: 11/24/2021 9:49:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**7.7064**	**.00852**	**.17014**	**.19024**	**.00507**
Stddev	.00038	.0519	.00159	.00003	.00045	.00009
%RSD	12027.	.67305	18.715	.01995	.23604	1.7974
#1	.00043	7.6535	.00884	.17016	.18975	.00497
#2	-.00022	7.7572	.00678	.17017	.19032	.00510
#3	-.00022	7.7084	.00992	.17010	.19064	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1595**	**.00044**	**.03048**	**.01018**	**.05087**	**3.7841**
Stddev	.0193	.00004	.00032	.00053	.00067	.0234
%RSD	.37352	8.1476	1.0465	5.1937	1.3185	.61770
#1	5.1373	.00044	.03079	.00961	.05164	3.7572
#2	5.1718	.00047	.03015	.01066	.05050	3.7994
#3	5.1693	.00040	.03051	.01026	.05047	3.7957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35560**	**.00517**	**.87462**	**.03435**	**.00309**	**5.9793**
Stddev	.04484	.00025	.02829	.00013	.00018	.0100
%RSD	12.610	4.8531	3.2340	.38504	5.6942	.16667
#1	.31643	.00506	.88495	.03427	.00300	5.9786
#2	.40451	.00499	.84262	.03451	.00329	5.9698
#3	.34586	.00545	.89629	.03429	.00298	5.9896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-A-4-B Acquired: 11/24/2021 9:49:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03930**	**.00061**	**.00194**	**.00274**	**3.8005**	**.02492**
Stddev	.00055	.00130	.00080	.00100	.0315	.00048
%RSD	1.4075	213.51	41.356	36.607	.82947	1.9264
#1	.03867	.00167	.00129	.00266	3.8083	.02529
#2	.03952	-.00084	.00169	.00178	3.7657	.02437
#3	.03970	.00099	.00283	.00378	3.8273	.02509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20492**	**.43067**	**.00003**	**.70176**	**.02102**
Stddev	.00498	.00115	.00029	.00256	.00005
%RSD	2.4314	.26653	1075.0	.36532	.22749
#1	.20215	.42975	-.00027	.70347	.02104
#2	.21067	.43030	.00005	.69881	.02097
#3	.20194	.43195	.00030	.70299	.02105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2131.6**	**3929.5**	**58131.**	**5020.9**
Stddev	6.2	6.1	189.	36.6
%RSD	.29219	.15440	.32582	.72965
#1	2125.9	3924.6	58088.	5063.0
#2	2130.8	3927.6	57967.	4996.3
#3	2138.3	3936.3	58338.	5003.4

Sample Name: 180-130184-A-1-C Acquired: 11/24/2021 9:54:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**15.247**	**.01573**	**.23158**	**.36307**	**.00303**
Stddev	.00031	.013	.00127	.00072	.00170	.00007
%RSD	51.819	.08586	8.0837	.30898	.46846	2.2448
#1	-.00038	15.263	.01597	.23218	.36499	.00304
#2	-.00096	15.240	.01686	.23079	.36247	.00309
#3	-.00047	15.240	.01436	.23177	.36175	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.663**	**.00009**	**.00923**	**.01289**	**.02643**	**4.0712**
Stddev	.063	.00007	.00019	.00019	.00011	.0351
%RSD	.40049	85.952	2.0730	1.5071	.39997	.86259
#1	15.733	.00001	.00910	.01297	.02635	4.1065
#2	15.614	.00010	.00945	.01267	.02639	4.0708
#3	15.640	.00015	.00914	.01304	.02655	4.0362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36921**	**.01975**	**5.1935**	**.22094**	**.00180**	**2.7786**
Stddev	.02265	.00024	.0343	.00067	.00017	.0123
%RSD	6.1350	1.2366	.66104	.30213	9.3594	.44088
#1	.39420	.01965	5.2077	.22129	.00197	2.7919
#2	.36340	.02003	5.1543	.22017	.00180	2.7678
#3	.35003	.01957	5.2184	.22136	.00163	2.7762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130184-A-1-C Acquired: 11/24/2021 9:54:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03444**	**.00381**	**.00033**	**-.00119**	**3.4719**	**.02756**
Stddev	.00021	.00098	.00214	.00334	.0149	.00006
%RSD	.61227	25.848	648.45	280.61	.42906	.22749
#1	.03468	.00296	.00011	-.00322	3.4791	.02751
#2	.03437	.00489	-.00169	.00266	3.4818	.02763
#3	.03427	.00358	.00257	-.00301	3.4547	.02754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3362**	**1.4218**	**-.00187**	**.01859**	**.00585**
Stddev	.0085	.0007	.00160	.00081	.00009
%RSD	.63345	.05006	85.196	4.3594	1.6140
#1	1.3459	1.4210	-.00064	.01951	.00577
#2	1.3322	1.4224	-.00131	.01828	.00595
#3	1.3304	1.4220	-.00368	.01798	.00582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2087.6**	**3910.8**	**57424.**	**4940.0**
Stddev	4.6	5.0	148.	48.3
%RSD	.22053	.12763	.25832	.97845
#1	2082.5	3905.0	57305.	4888.1
#2	2088.9	3913.4	57590.	4983.7
#3	2091.4	3913.9	57378.	4948.1

Sample Name: 180-130268-A-1-B Acquired: 11/24/2021 9:59:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**5.0461**	**.00727**	**.15806**	**5.7711**	**.00529**
Stddev	.00028	.0512	.00155	.00123	.0210	.00008
%RSD	393.14	1.0155	21.336	.77963	.36476	1.5863
#1	.00016	4.9911	.00898	.15734	5.7491	.00522
#2	.00001	5.0925	.00688	.15737	5.7910	.00538
#3	-.00039	5.0548	.00596	.15949	5.7733	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.652**	**.00028**	**.02790**	**.03140**	**.22391**	**2.9165**
Stddev	.102	.00006	.00022	.00022	.00139	.0173
%RSD	.13015	20.121	.77647	.70377	.62220	.59255
#1	78.671	.00024	.02784	.03120	.22470	2.9062
#2	78.744	.00025	.02772	.03135	.22230	2.9365
#3	78.541	.00034	.02814	.03164	.22472	2.9069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65816**	**.00472**	**11.611**	**.04005**	**.00389**	**1.1245**
Stddev	.02052	.00114	.109	.00009	.00002	.0161
%RSD	3.1170	24.064	.93698	.22063	.39507	1.4332
#1	.66355	.00395	11.735	.03996	.00387	1.1181
#2	.67544	.00603	11.530	.04014	.00390	1.1428
#3	.63549	.00418	11.568	.04006	.00390	1.1126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130268-A-1-B Acquired: 11/24/2021 9:59:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04054**	**.00264**	**.00364**	**.00340**	**1.6082**	**.02728**
Stddev	.00075	.00078	.00211	.00048	.0166	.00084
%RSD	1.8537	29.375	57.815	14.010	1.0345	3.0966
#1	.04075	.00256	.00593	.00286	1.5987	.02740
#2	.03971	.00191	.00323	.00377	1.6274	.02805
#3	.04117	.00346	.00178	.00357	1.5984	.02638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.24446**	**.78052**	**-.00098**	**.13346**	**1.4462**
Stddev	.00902	.00121	.00167	.00309	.0014
%RSD	3.6889	.15447	169.49	2.3144	.09958
#1	.24316	.77916	.00067	.13676	1.4445
#2	.25406	.78094	-.00266	.13298	1.4468
#3	.23617	.78146	-.00096	.13064	1.4472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.2**	**3808.8**	**56292.**	**4902.7**
Stddev	4.0	5.1	111.	27.1
%RSD	.19742	.13365	.19715	.55219
#1	2007.8	3812.8	56416.	4873.8
#2	2001.5	3810.6	56202.	4906.9
#3	2000.5	3803.1	56259.	4927.4

Sample Name: 180-130268-A-2-B Acquired: 11/24/2021 10:03:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**4.8190**	**.00750**	**.14931**	**5.5681**	**.00509**
Stddev	.00038	.0167	.00122	.00054	.0310	.00003
%RSD	199.61	.34615	16.212	.36440	.55700	.62559
#1	.00062	4.8377	.00610	.14929	5.6037	.00510
#2	-.00006	4.8140	.00826	.14878	5.5538	.00512
#3	.00000	4.8055	.00815	.14987	5.5468	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.134**	**.00034**	**.02684**	**.03007**	**.21364**	**2.6706**
Stddev	.549	.00006	.00029	.00048	.00168	.0155
%RSD	.73113	17.866	1.0943	1.6072	.78696	.57858
#1	75.756	.00027	.02680	.02951	.21529	2.6873
#2	74.929	.00036	.02657	.03032	.21193	2.6677
#3	74.717	.00039	.02715	.03037	.21370	2.6568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63510**	**.00515**	**11.049**	**.03691**	**.00367**	**1.0651**
Stddev	.02839	.00061	.129	.00032	.00015	.0046
%RSD	4.4696	11.842	1.1650	.85484	4.0508	.43311
#1	.66505	.00581	11.195	.03726	.00369	1.0604
#2	.63165	.00504	10.999	.03682	.00352	1.0696
#3	.60859	.00461	10.952	.03665	.00381	1.0654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130268-A-2-B Acquired: 11/24/2021 10:03:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03962**	**.00078**	**.00255**	**.00423**	**1.5516**	**.02842**
Stddev	.00028	.00161	.00088	.00119	.0082	.00057
%RSD	.71258	205.71	34.740	28.103	.52890	2.0004
#1	.03987	.00152	.00347	.00405	1.5606	.02809
#2	.03968	-.00106	.00246	.00550	1.5445	.02908
#3	.03931	.00189	.00171	.00314	1.5497	.02809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.22301**	**.74340**	**.00047**	**.11960**	**1.3985**
Stddev	.00062	.00250	.00042	.00144	.0041
%RSD	.27591	.33595	89.688	1.2077	.29066
#1	.22358	.74399	.00028	.12124	1.3940
#2	.22308	.74555	.00018	.11850	1.3998
#3	.22236	.74066	.00095	.11908	1.4018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1996.2**	**3793.8**	**56210.**	**4897.1**
Stddev	1.6	3.1	244.	36.3
%RSD	.07794	.08254	.43491	.74028
#1	1995.7	3794.9	55930.	4855.4
#2	1994.9	3790.2	56316.	4920.6
#3	1997.9	3796.2	56383.	4915.4

Sample Name: 180-130094-A-2-B@5 Acquired: 11/24/2021 10:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**1.5502**	**.00379**	**.07148**	**.47337**	**.00099**
Stddev	.00026	.0308	.00045	.00009	.00068	.00008
%RSD	20.897	1.9872	11.797	.12517	.14316	8.1220
#1	.00154	1.5805	.00328	.07147	.47315	.00104
#2	.00114	1.5189	.00399	.07158	.47413	.00102
#3	.00105	1.5512	.00411	.07140	.47284	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.409**	**.00136**	**.02099**	**.01108**	**.10347**	**1.1616**
Stddev	.036	.00002	.00012	.00061	.00020	.0029
%RSD	.13640	1.1342	.55126	5.5063	.19383	.24696
#1	26.380	.00137	.02102	.01051	.10364	1.1590
#2	26.449	.00135	.02108	.01172	.10325	1.1647
#3	26.397	.00135	.02086	.01101	.10352	1.1610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10098**	**.00080**	**1.6953**	**12.468**	**.00590**	**.24477**
Stddev	.04678	.00138	.0140	.019	.00015	.00721
%RSD	46.325	172.68	.82662	.15431	2.6056	2.9448
#1	.06096	.00145	1.6809	12.490	.00601	.24533
#2	.15241	-.00079	1.6963	12.457	.00597	.23730
#3	.08957	.00173	1.7088	12.457	.00573	.25168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130094-A-2-B@5 Acquired: 11/24/2021 10:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01779**	**.00150**	**.00041**	**.00028**	**.74780**	**.00622**
Stddev	.00043	.00193	.00137	.00170	.00645	.00001
%RSD	2.4321	128.80	337.59	605.63	.86204	.18725
#1	.01821	-.00033	.00021	-.00162	.74282	.00623
#2	.01735	.00131	.00186	.00082	.74550	.00621
#3	.01780	.00352	-.00086	.00164	.75508	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.14885**	**.16437**	**.00122**	**.02516**	**.08467**
Stddev	.00239	.00023	.00169	.00073	.00037
%RSD	1.6074	.13762	137.80	2.8950	.44262
#1	.14642	.16429	.00068	.02436	.08511
#2	.14893	.16463	-.00012	.02535	.08443
#3	.15120	.16420	.00312	.02578	.08448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2087.0**	**3830.1**	**56204.**	**4841.8**
Stddev	6.1	14.0	156.	29.6
%RSD	.29085	.36622	.27815	.61175
#1	2080.1	3813.9	56029.	4811.7
#2	2090.1	3838.7	56330.	4842.8
#3	2091.0	3837.7	56254.	4871.0

Sample Name: MB 180-379959/1-A Acquired: 11/24/2021 10:12:59 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00987**	**-.00145**	**.00181**	**.00001**	**-.00004**
Stddev	.00047	.01753	.00262	.00015	.00029	.00005
%RSD	1255.1	177.60	181.25	8.0024	4244.4	151.93
#1	.00058	-.02339	-.00160	.00186	-.00030	-.00008
#2	-.00023	-.01616	-.00399	.00193	.00006	-.00005
#3	-.00024	.00994	.00125	.00165	.00026	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**-.00000**	**.00002**	**.00037**	**.00062**	**.00211**
Stddev	.00357	.00014	.00010	.00022	.00033	.00443
%RSD	81.910	2991.0	512.77	59.978	52.996	209.63
#1	.00039	.00011	-.00007	.00052	.00047	.00188
#2	.00540	-.00016	.00001	.00048	.00038	.00665
#3	.00730	.00004	.00013	.00012	.00099	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01553**	**-.00128**	**.00087**	**.00031**	**.00017**	**-.00428**
Stddev	.02816	.00054	.01350	.00003	.00020	.00217
%RSD	181.32	42.630	1552.9	10.773	118.11	50.606
#1	-.04794	-.00084	.01301	.00034	.00011	-.00206
#2	-.00172	-.00110	.00325	.00028	.00039	-.00439
#3	.00305	-.00189	-.01366	.00029	.00000	-.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379959/1-A Acquired: 11/24/2021 10:12:59 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00111**	**.00037**	**-.00401**	**.01240**	**.00785**
Stddev	.00035	.00044	.00034	.00146	.01830	.00035
%RSD	137.84	40.091	91.392	36.462	147.53	4.4180
#1	.00009	-.00112	.00013	-.00431	.02375	.00746
#2	.00001	-.00066	.00076	-.00242	-.00871	.00812
#3	.00066	-.00155	.00023	-.00531	.02216	.00797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00002**	**-.00056**	**-.00072**	**.00030**
Stddev	.00176	.00010	.00048	.00441	.00017
%RSD	4992.2	508.40	85.837	615.53	56.660
#1	.00147	-.00006	-.00070	.00205	.00011
#2	.00057	.00013	-.00003	.00160	.00035
#3	-.00193	-.00001	-.00096	-.00580	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.1**	**3791.4**	**56372.**	**4824.6**
Stddev	2.3	7.9	192.	39.6
%RSD	.10893	.20810	.34119	.82081
#1	2115.2	3789.0	56548.	4849.5
#2	2119.7	3800.2	56167.	4779.0
#3	2116.5	3785.0	56403.	4845.5

Sample Name: LCS 180-379959/2-A Acquired: 11/24/2021 10:17:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22914**	**4.7306**	**.97184**	**1.1927**	**.95872**	**.49207**
Stddev	.00054	.0216	.00497	.0043	.00268	.00127
%RSD	.23682	.45579	.51134	.36399	.27964	.25752
#1	.22877	4.7058	.96681	1.1890	.96002	.49098
#2	.22888	4.7436	.97196	1.1918	.96050	.49177
#3	.22976	4.7425	.97675	1.1975	.95563	.49346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.964**	**.47300**	**.47529**	**.48185**	**.47379**	**4.8205**
Stddev	.016	.00154	.00208	.00121	.00013	.0127
%RSD	.06534	.32491	.43761	.25209	.02810	.26393
#1	23.953	.47141	.47341	.48124	.47380	4.8146
#2	23.982	.47310	.47492	.48324	.47365	4.8118
#3	23.957	.47448	.47752	.48105	.47391	4.8351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.044**	**.48734**	**23.316**	**.47300**	**.47773**	**23.702**
Stddev	.096	.00240	.097	.00070	.00188	.081
%RSD	.41643	.49265	.41726	.14840	.39323	.34277
#1	22.945	.48592	23.322	.47332	.47617	23.633
#2	23.137	.49011	23.216	.47349	.47721	23.792
#3	23.050	.48598	23.410	.47220	.47982	23.682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379959/2-A Acquired: 11/24/2021 10:17:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47022**	**.46095**	**.22370**	**.94255**	**.98246**	**.95840**
Stddev	.00075	.00169	.00392	.00264	.00794	.00546
%RSD	.15865	.36732	1.7513	.28013	.80846	.56967
#1	.46966	.45963	.21919	.93985	.98404	.95504
#2	.46994	.46036	.22558	.94267	.98949	.95545
#3	.47107	.46286	.22632	.94512	.97384	.96470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48078**	**.49117**	**.90515**	**.48530**	**.23718**
Stddev	.00050	.00012	.00198	.00507	.00085
%RSD	.10411	.02452	.21910	1.0441	.35774
#1	.48133	.49109	.90308	.48352	.23652
#2	.48035	.49112	.90533	.49102	.23689
#3	.48064	.49131	.90704	.48137	.23814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1965.1**	**3667.3**	**54694.**	**4767.7**
Stddev	3.4	9.2	134.	31.5
%RSD	.17233	.25088	.24511	.66146
#1	1967.1	3675.2	54542.	4799.8
#2	1967.0	3669.5	54795.	4766.6
#3	1961.2	3657.2	54746.	4736.7

Sample Name: 180-130246-A-1-C Acquired: 11/24/2021 10:22:01 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.02565**	**.00363**	**.01447**	**.00026**	**-.00008**
Stddev	.00040	.01600	.00079	.00063	.00014	.00004
%RSD	135.67	62.375	21.809	4.3485	53.459	57.668
#1	.00056	.03501	.00453	.01402	.00031	-.00009
#2	-.00016	.00718	.00305	.01519	.00037	-.00003
#3	.00049	.03476	.00331	.01421	.00010	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11082**	**.00053**	**.00143**	**.00386**	**.02924**	**6.2426**
Stddev	.00755	.00005	.00024	.00023	.00049	.0133
%RSD	6.8121	9.0855	17.084	6.0837	1.6850	.21231
#1	.11774	.00054	.00164	.00369	.02885	6.2291
#2	.11194	.00058	.00116	.00375	.02979	6.2556
#3	.10277	.00048	.00149	.00413	.02907	6.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03205**	**.00493**	**.02735**	**.03752**	**.00414**	**.63257**
Stddev	.02183	.00089	.03556	.00018	.00044	.00819
%RSD	68.116	18.056	129.99	.49094	10.646	1.2950
#1	.05698	.00583	-.01252	.03765	.00448	.62317
#2	.02282	.00405	.05576	.03731	.00429	.63634
#3	.01635	.00490	.03883	.03760	.00364	.63820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C Acquired: 11/24/2021 10:22:01 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**-.00009**	**.00193**	**.00062**	**.02371**	**.03666**
Stddev	.00037	.00123	.00205	.00094	.00952	.00016
%RSD	10.508	1327.7	106.09	150.87	40.140	.42971
#1	.00389	.00004	-.00038	.00164	.03459	.03656
#2	.00315	.00106	.00267	-.00021	.01691	.03658
#3	.00362	-.00138	.00351	.00043	.01963	.03684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00080**	**-.00001**	**.00107**	**.06359**
Stddev	.00665	.00019	.00025	.00442	.00035
%RSD	674.73	23.244	4652.8	414.50	.55742
#1	.00863	.00061	-.00018	.00069	.06395
#2	-.00346	.00099	-.00011	-.00315	.06324
#3	-.00222	.00081	.00028	.00566	.06357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2164.0**	**3798.1**	**56970.**	**4892.2**
Stddev	7.3	3.5	313.	12.9
%RSD	.33865	.09188	.54979	.26338
#1	2155.6	3797.3	56726.	4903.0
#2	2168.9	3801.9	57323.	4895.8
#3	2167.6	3795.1	56862.	4878.0

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/24/2021 10:26:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00074**	**.00272**	**.00395**	**.00028**	**-.00001**
Stddev	.00021	.03003	.00066	.00027	.00025	.00009
%RSD	458.66	4053.7	24.273	6.9242	90.028	1618.5
#1	-.00000	-.03078	.00284	.00368	.00042	-.00008
#2	-.00014	.02903	.00201	.00423	-.00001	-.00004
#3	.00027	.00397	.00332	.00393	.00044	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01899**	**.00012**	**.00043**	**.00083**	**.00608**	**1.1840**
Stddev	.00195	.00012	.00015	.00034	.00064	.0023
%RSD	10.277	105.89	35.938	41.346	10.446	.19484
#1	.01702	.00025	.00059	.00092	.00611	1.1854
#2	.01904	.00008	.00041	.00112	.00543	1.1813
#3	.02092	.00002	.00028	.00045	.00670	1.1853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01193**	**.00067**	**-.02170**	**.00723**	**.00061**	**.11590**
Stddev	.01888	.00110	.03344	.00005	.00006	.00499
%RSD	158.21	165.55	154.11	.62522	10.348	4.3093
#1	-.03176	-.00050	-.03748	.00726	.00054	.12159
#2	.00582	.00169	.01671	.00718	.00065	.11224
#3	-.00985	.00080	-.04432	.00726	.00065	.11388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/24/2021 10:26:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00061**	**.00079**	**-.00586**	**-.00087**	**.00597**
Stddev	.00011	.00024	.00217	.00054	.00730	.00036
%RSD	15.416	39.405	275.10	9.2222	837.16	6.0087
#1	.00061	-.00085	.00318	-.00647	-.00756	.00572
#2	.00077	-.00038	-.00105	-.00566	.00692	.00638
#3	.00083	-.00059	.00024	-.00545	-.00198	.00580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**.00022**	**-.00048**	**-.00004**	**.01210**
Stddev	.00326	.00009	.00086	.00147	.00004
%RSD	95.666	40.168	179.13	3588.5	.37088
#1	.00708	.00014	-.00117	.00155	.01205
#2	.00233	.00020	.00049	-.00134	.01213
#3	.00083	.00032	-.00077	-.00034	.01211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2190.2**	**3861.3**	**58049.**	**4870.1**
Stddev	11.7	11.0	225.	23.2
%RSD	.53455	.28592	.38700	.47679
#1	2195.6	3866.3	58309.	4869.2
#2	2198.1	3869.0	57924.	4893.9
#3	2176.7	3848.7	57916.	4847.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 10:31:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0017**	**24.119**	**.49190**	**1.9896**	**1.9433**	**1.9898**
Stddev	.0088	.079	.00404	.0043	.0075	.0018
%RSD	.87520	.32931	.82070	.21843	.38512	.09218
#1	.99175	24.107	.48990	1.9868	1.9491	1.9914
#2	1.0082	24.047	.48925	1.9874	1.9349	1.9878
#3	1.0052	24.204	.49655	1.9946	1.9461	1.9902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.002**	**.49730**	**1.9996**	**1.9465**	**1.9630**	**24.323**
Stddev	.122	.00055	.0015	.0199	.0167	.050
%RSD	.24913	.11037	.07486	1.0208	.85016	.20430
#1	48.974	.49680	1.9991	1.9236	1.9462	24.272
#2	48.896	.49722	2.0013	1.9568	1.9796	24.371
#3	49.136	.49789	1.9985	1.9591	1.9631	24.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.15**	**2.0135**	**48.255**	**1.9316**	**1.9063**	**121.45**
Stddev	.31	.0059	.225	.0145	.0032	.47
%RSD	.25797	.29096	.46673	.75057	.16935	.38967
#1	119.45	2.0180	48.233	1.9160	1.9038	121.84
#2	118.84	2.0069	48.042	1.9447	1.9052	120.92
#3	119.18	2.0156	48.491	1.9340	1.9099	121.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 10:31:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0047**	**.50073**	**.48576**	**.49609**	**1.9743**	**1.8486**
Stddev	.0023	.00156	.00175	.00286	.0202	.0018
%RSD	.11272	.31216	.36103	.57675	1.0223	.09591
#1	2.0032	.49951	.48778	.49403	1.9936	1.8506
#2	2.0073	.50249	.48465	.49488	1.9533	1.8481
#3	2.0035	.50019	.48485	.49935	1.9759	1.8472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9602**	**1.9760**	**.94478**	**1.9602**	**1.9372**
Stddev	.0267	.0164	.00334	.0053	.0033
%RSD	1.3600	.83043	.35401	.26779	.17120
#1	1.9670	1.9576	.94864	1.9542	1.9368
#2	1.9308	1.9890	.94269	1.9637	1.9407
#3	1.9828	1.9816	.94301	1.9627	1.9341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1827.3**	**3630.5**	**52705.**	**4692.4**
Stddev	1.9	2.7	407.	26.6
%RSD	.10199	.07453	.77137	.56583
#1	1827.7	3633.6	53091.	4714.5
#2	1825.2	3628.8	52280.	4699.7
#3	1828.9	3629.1	52744.	4663.0

Sample Name: CCB6 Acquired: 11/24/2021 10:35:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00511**	**.00055**	**.00283**	**-.00010**	**-.00003**
Stddev	.00057	.01604	.00221	.00020	.00014	.00002
%RSD	263.04	313.69	404.34	7.0942	135.59	52.782
#1	-.00035	.01776	.00302	.00293	.00006	-.00005
#2	.00080	-.01293	-.00014	.00297	-.00021	-.00002
#3	.00021	.01052	-.00124	.00260	-.00016	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00006**	**-.00004**	**.00046**	**.00072**	**-.00221**
Stddev	.00371	.00012	.00004	.00030	.00038	.00108
%RSD	122.44	207.34	114.11	65.695	52.384	48.658
#1	-.00123	-.00019	-.00003	.00039	.00036	-.00346
#2	.00554	.00005	.00000	.00020	.00069	-.00153
#3	.00480	-.00003	-.00008	.00079	.00111	-.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01690**	**.00016**	**.01632**	**.00011**	**.00453**	**.01531**
Stddev	.01093	.00053	.01756	.00003	.00060	.00192
%RSD	64.677	333.38	107.61	32.687	13.275	12.529
#1	.02371	.00025	.00857	.00014	.00516	.01382
#2	.00429	.00064	.03643	.00007	.00444	.01464
#3	.02270	-.00041	.00397	.00010	.00397	.01748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB6 Acquired: 11/24/2021 10:35:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00238**	**.00076**	**-.00220**	**-.00252**	**.00020**
Stddev	.00023	.00105	.00106	.00363	.00620	.00064
%RSD	184.15	44.049	138.49	165.25	246.16	316.16
#1	-.00003	-.00170	.00191	-.00636	.00431	.00092
#2	-.00039	-.00359	-.00018	.00033	-.00781	-.00030
#3	.00004	-.00185	.00056	-.00056	-.00405	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00005**	**.00072**	**.00305**	**.00016**
Stddev	.00293	.00011	.00133	.00209	.00017
%RSD	199.23	224.86	183.56	68.700	108.24
#1	-.00484	-.00006	-.00041	.00236	.00003
#2	-.00003	.00017	.00039	.00540	.00008
#3	.00046	.00004	.00218	.00139	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.0**	**3856.4**	**57062.**	**4809.8**
Stddev	15.2	26.7	323.	33.8
%RSD	.70058	.69187	.56607	.70171
#1	2179.7	3874.4	57298.	4826.5
#2	2177.8	3869.1	57194.	4831.9
#3	2152.5	3825.7	56694.	4770.9

Sample Name: 180-130246-A-1-D MS Acquired: 11/24/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18616**	**3.9046**	**.77843**	**.98175**	**.78627**	**.39869**
Stddev	.00031	.0285	.00228	.00243	.00115	.00101
%RSD	.16715	.73066	.29311	.24740	.14686	.25233
#1	.18647	3.8816	.77996	.98455	.78494	.39758
#2	.18585	3.8956	.77953	.98051	.78694	.39897
#3	.18616	3.9365	.77581	.98018	.78694	.39953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.665**	**.38733**	**.39219**	**.39162**	**.42489**	**9.5720**
Stddev	.061	.00073	.00054	.00151	.00021	.0099
%RSD	.30802	.18815	.13747	.38552	.04954	.10364
#1	19.599	.38817	.39241	.39301	.42465	9.5788
#2	19.681	.38699	.39157	.39001	.42502	9.5606
#3	19.717	.38684	.39258	.39183	.42501	9.5766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.584**	**.41080**	**19.126**	**.41865**	**.38638**	**19.737**
Stddev	.012	.00055	.049	.00068	.00086	.018
%RSD	.06593	.13284	.25609	.16347	.22269	.09367
#1	18.592	.41020	19.082	.41942	.38737	19.722
#2	18.590	.41126	19.117	.41813	.38586	19.758
#3	18.570	.41095	19.179	.41839	.38590	19.732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-D MS Acquired: 11/24/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38698**	**.37778**	**.17698**	**.76601**	**.80321**	**.76952**
Stddev	.00060	.00193	.00099	.00329	.00716	.00422
%RSD	.15396	.51003	.55894	.43002	.89124	.54780
#1	.38755	.37580	.17812	.76934	.80604	.77336
#2	.38702	.37790	.17645	.76594	.80852	.76501
#3	.38636	.37965	.17637	.76275	.79507	.77019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.38964**	**.39638**	**.74463**	**.39078**	**.24333**
Stddev	.00237	.00081	.00273	.00636	.00062
%RSD	.60845	.20548	.36678	1.6263	.25431
#1	.38690	.39630	.74735	.38397	.24389
#2	.39092	.39561	.74189	.39656	.24344
#3	.39109	.39724	.74464	.39182	.24267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.6**	**3730.5**	**55401.**	**4893.7**
Stddev	3.2	8.3	177.	12.9
%RSD	.16018	.22317	.31913	.26322
#1	1999.9	3723.2	55293.	4882.8
#2	2005.9	3728.7	55605.	4907.9
#3	2004.9	3739.6	55306.	4890.4

Sample Name: 180-130246-A-1-E MSD Acquired: 11/24/2021 10:44:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19612**	**4.0833**	**.81205**	**1.0382**	**.82309**	**.41968**
Stddev	.00092	.0269	.00363	.0019	.00339	.00304
%RSD	.46953	.65870	.44679	.18337	.41141	.72436
#1	.19506	4.1050	.81443	1.0404	.82174	.41927
#2	.19668	4.0532	.81386	1.0374	.82695	.42290
#3	.19663	4.0916	.80788	1.0369	.82060	.41687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.705**	**.40443**	**.41337**	**.41187**	**.44906**	**11.166**
Stddev	.009	.00092	.00039	.00164	.00184	.067
%RSD	.04507	.22782	.09508	.39874	.40871	.59762
#1	20.696	.40548	.41297	.41030	.44924	11.144
#2	20.714	.40376	.41376	.41358	.44714	11.241
#3	20.704	.40404	.41340	.41172	.45080	11.113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.704**	**.43171**	**20.107**	**.44853**	**.40731**	**20.892**
Stddev	.219	.00146	.166	.00238	.00146	.230
%RSD	1.1099	.33802	.82436	.52973	.35883	1.1025
#1	19.612	.43004	20.073	.44585	.40858	20.808
#2	19.953	.43270	20.287	.44937	.40571	21.153
#3	19.545	.43241	19.961	.45037	.40763	20.716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-E MSD Acquired: 11/24/2021 10:44:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40882**	**.39453**	**.18423**	**.80251**	**.86547**	**.80714**
Stddev	.00023	.00096	.00165	.00604	.01824	.00254
%RSD	.05647	.24376	.89729	.75229	2.1078	.31502
#1	.40880	.39458	.18390	.80256	.87825	.80911
#2	.40861	.39355	.18277	.79645	.87358	.80427
#3	.40907	.39547	.18602	.80852	.84458	.80805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.40810**	**.41611**	**.77960**	**.41262**	**.27079**
Stddev	.00772	.00051	.00329	.00357	.00047
%RSD	1.8914	.12185	.42142	.86493	.17237
#1	.41080	.41593	.78230	.41462	.27118
#2	.41411	.41668	.77594	.40850	.27090
#3	.39940	.41572	.78057	.41475	.27027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2001.9**	**3740.4**	**55080.**	**4840.8**
Stddev	2.7	6.0	267.	23.2
%RSD	.13420	.15916	.48418	.47835
#1	2000.9	3734.2	55386.	4853.7
#2	1999.9	3740.7	54957.	4814.1
#3	2005.0	3746.1	54898.	4854.6

Sample Name: 180-130246-A-1-C PDS Acquired: 11/24/2021 10:49:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24133**	**4.9447**	**.98506**	**1.2509**	**.96630**	**.49223**
Stddev	.00158	.0607	.00251	.0036	.00343	.00199
%RSD	.65388	1.2272	.25436	.29019	.35512	.40474
#1	.24308	4.9936	.98753	1.2474	.96614	.49158
#2	.24089	4.8768	.98513	1.2546	.96295	.49064
#3	.24002	4.9638	.98252	1.2507	.96981	.49447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.113**	**.48129**	**.49043**	**.48435**	**.52337**	**10.878**
Stddev	.181	.00093	.00296	.00239	.00203	.051
%RSD	.72244	.19275	.60271	.49285	.38740	.47298
#1	25.151	.48045	.48938	.48665	.52336	10.851
#2	24.916	.48229	.49376	.48188	.52539	10.845
#3	25.273	.48114	.48814	.48453	.52134	10.937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.992**	**.50744**	**24.360**	**.51423**	**.48051**	**25.242**
Stddev	.042	.00383	.054	.00107	.00127	.051
%RSD	.17300	.75543	.22114	.20756	.26416	.20393
#1	23.948	.50669	24.354	.51421	.48065	25.190
#2	24.030	.50403	24.309	.51317	.48171	25.244
#3	23.998	.51159	24.416	.51530	.47918	25.293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C PDS Acquired: 11/24/2021 10:49:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48104**	**.46920**	**.22723**	**.96164**	**1.0457**	**.95779**
Stddev	.00239	.00167	.00038	.00498	.0097	.00235
%RSD	.49651	.35641	.16556	.51745	.93013	.24567
#1	.47990	.46907	.22700	.95714	1.0429	.95606
#2	.48378	.47094	.22703	.96080	1.0565	.96047
#3	.47943	.46760	.22767	.96698	1.0377	.95684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48029**	**.49283**	**.93079**	**.48614**	**.29879**
Stddev	.00742	.00113	.00896	.00634	.00058
%RSD	1.5449	.23030	.96286	1.3038	.19403
#1	.48013	.49414	.92696	.48873	.29812
#2	.48779	.49222	.94103	.47892	.29911
#3	.47295	.49213	.92438	.49077	.29914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1983.4**	**3734.0**	**55365.**	**4879.7**
Stddev	8.1	4.2	54.	28.1
%RSD	.40615	.11232	.09716	.57639
#1	1984.1	3736.6	55304.	4867.3
#2	1974.9	3729.2	55388.	4911.9
#3	1991.0	3736.3	55404.	4860.0

Sample Name: 240-160351-A-1-F Acquired: 11/24/2021 10:53:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.04684**	**.00193**	**.00866**	**.00161**	**.00000**
Stddev	.00013	.01298	.00075	.00015	.00012	.00002
%RSD	35.133	27.723	38.569	1.6772	7.3347	821.33
#1	-.00041	.06081	.00189	.00874	.00151	-.00000
#2	-.00023	.04454	.00270	.00850	.00174	.00003
#3	-.00049	.03515	.00121	.00875	.00158	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07294**	**.00018**	**.00027**	**.00319**	**.00112**	**.03883**
Stddev	.00406	.00004	.00033	.00023	.00055	.00289
%RSD	5.5688	21.917	123.00	7.3340	49.167	7.4549
#1	.07091	.00014	.00038	.00343	.00146	.03551
#2	.07029	.00021	-.00010	.00319	.00140	.04087
#3	.07762	.00019	.00054	.00296	.00048	.04010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06372**	**.00019**	**-.00399**	**.00114**	**.00206**	**1.0741**
Stddev	.01907	.00060	.02528	.00004	.00036	.0107
%RSD	29.931	312.87	633.28	3.6894	17.440	.99230
#1	.07232	.00051	-.02438	.00119	.00246	1.0722
#2	.07696	.00056	.02429	.00113	.00198	1.0645
#3	.04186	-.00050	-.01189	.00111	.00175	1.0856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-160351-A-1-F Acquired: 11/24/2021 10:53:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**-.00019**	**.00025**	**.00444**	**.01525**	**.03471**
Stddev	.00034	.00041	.00028	.00089	.00323	.00058
%RSD	15.216	214.48	115.74	20.124	21.177	1.6650
#1	.00230	-.00061	.00056	.00535	.01779	.03445
#2	.00189	-.00018	.00018	.00356	.01161	.03431
#3	.00257	.00021	-.00000	.00441	.01634	.03537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00570**	**.00077**	**-.00174**	**.00086**	**.05878**
Stddev	.00641	.00004	.00042	.00294	.00027
%RSD	112.48	4.6367	24.061	339.83	.45865
#1	.00548	.00074	-.00185	.00196	.05849
#2	-.00060	.00076	-.00128	.00310	.05903
#3	.01221	.00081	-.00209	-.00246	.05883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.6**	**3813.8**	**57157.**	**4888.7**
Stddev	4.6	3.0	47.	44.6
%RSD	.21017	.07849	.08258	.91277
#1	2165.7	3816.8	57212.	4909.3
#2	2171.4	3810.8	57130.	4919.4
#3	2174.8	3813.7	57130.	4837.5

Sample Name: 240-160354-A-1-E Acquired: 11/24/2021 10:58:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00873**	**.00107**	**.02671**	**.04290**	**.00002**
Stddev	.00005	.02362	.00215	.00059	.00038	.00007
%RSD	13.487	270.50	201.48	2.2125	.89264	385.60
#1	.00044	.03144	-.00125	.02732	.04333	.00009
#2	.00034	.01046	.00145	.02614	.04263	.00003
#3	.00042	-.01570	.00301	.02667	.04273	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47817**	**.00019**	**.93248**	**.00205**	**.00494**	**.05419**
Stddev	.00866	.00016	.01905	.00036	.00018	.00265
%RSD	1.8114	81.065	2.0432	17.703	3.7117	4.8819
#1	.48783	.00009	.95441	.00213	.00506	.05170
#2	.47111	.00012	.92002	.00237	.00504	.05389
#3	.47557	.00038	.92300	.00165	.00473	.05697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4950**	**.00131**	**.13875**	**.01267**	**.00114**	**5.3997**
Stddev	.0197	.00036	.05432	.00011	.00004	.0162
%RSD	1.3147	27.463	39.152	.85788	3.4583	.30015
#1	1.4944	.00172	.18817	.01270	.00111	5.4015
#2	1.4757	.00120	.14749	.01276	.00118	5.3827
#3	1.5150	.00102	.08059	.01255	.00112	5.4149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 240-160354-A-1-E Acquired: 11/24/2021 10:58:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**-.00063**	**.00059**	**.00081**	**.68402**	**.04099**
Stddev	.00012	.00098	.00304	.00402	.00235	.00122
%RSD	7.7357	155.00	515.06	494.77	.34366	2.9664
#1	.00161	.00050	-.00292	.00304	.68154	.04239
#2	.00155	-.00124	.00252	.00323	.68622	.04030
#3	.00139	-.00115	.00217	-.00383	.68430	.04028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00026**	**-.00003**	**.00206**	**.05645**
Stddev	.00104	.00007	.00128	.00201	.00124
%RSD	49.930	25.566	4861.8	97.673	2.1944
#1	.00327	.00028	.00062	-.00021	.05788
#2	.00160	.00019	-.00150	.00361	.05572
#3	.00137	.00032	.00080	.00278	.05575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2128.7**	**3764.4**	**56828.**	**4897.7**
Stddev	35.2	67.3	93.	19.9
%RSD	1.6559	1.7871	.16403	.40584
#1	2088.1	3686.8	56935.	4903.8
#2	2152.0	3799.1	56779.	4913.9
#3	2145.9	3807.2	56769.	4875.5

Sample Name: 180-130058-A-8-A@2 Acquired: 11/24/2021 11:02:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**4.9346**	**.01087**	F **36.904**	**.00697**	**.00002**
Stddev	.00048	.0149	.00064	.116	.00014	.00014
%RSD	67.383	.30117	5.8748	.31507	2.0631	637.29
#1	-.00087	4.9517	.01120	37.028	.00708	-.00009
#2	-.00111	4.9246	.01127	36.889	.00681	.00017
#3	-.00018	4.9276	.01013	36.797	.00703	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2036**	**-.00027**	**.30587**	**.04053**	**14.396**	**3.6048**
Stddev	.0043	.00012	.00064	.00026	.077	.0175
%RSD	.36125	43.801	.21087	.62928	.53300	.48449
#1	1.2043	-.00029	.30659	.04080	14.352	3.6191
#2	1.1990	-.00015	.30567	.04030	14.352	3.5854
#3	1.2076	-.00038	.30534	.04050	14.485	3.6100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80266**	**.00629**	**2.2512**	**.11772**	**.06651**	**28.812**
Stddev	.02132	.00096	.0115	.00025	.00022	.083
%RSD	2.6560	15.272	.50943	.20874	.32433	.28633
#1	.80166	.00561	2.2465	.11759	.06635	28.906
#2	.78186	.00739	2.2643	.11757	.06675	28.779
#3	.82446	.00587	2.2428	.11800	.06642	28.752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130058-A-8-A@2 Acquired: 11/24/2021 11:02:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35178**	**.03647**	**.00735**	**.00397**	**.59034**	**.01107**
Stddev	.00106	.00171	.00162	.00132	.01217	.00090
%RSD	.30063	4.6856	22.063	33.366	2.0612	8.0961
#1	.35293	.03785	.00767	.00353	.58796	.01021
#2	.35086	.03701	.00560	.00545	.57954	.01100
#3	.35154	.03456	.00879	.00292	.60352	.01200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01867**	**.01227**	**-.00095**	**.00471**	**.33991**
Stddev	.00604	.00042	.00021	.00437	.00023
%RSD	32.352	3.3926	22.457	92.812	.06640
#1	.02537	.01275	-.00116	-.00019	.34010
#2	.01697	.01211	-.00097	.00820	.33997
#3	.01365	.01196	-.00073	.00612	.33966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2014.8**	**3685.8**	**53541.**	**4590.7**
Stddev	3.1	1.1	218.	28.2
%RSD	.15628	.03080	.40721	.61506
#1	2017.2	3686.9	53708.	4560.1
#2	2015.9	3685.8	53620.	4615.8
#3	2011.2	3684.6	53294.	4596.2

Sample Name: 180-130072-A-3-A@5 Acquired: 11/24/2021 11:07:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00034**	**.46540**	**.03880**	**.01755**	**.00003**
Stddev	.00043	.00623	.00111	.00205	.00027	.00006
%RSD	319.51	1854.7	.23829	5.2808	1.5342	176.56
#1	.00056	-.00743	.46581	.04105	.01786	.00007
#2	-.00030	.00220	.46624	.03833	.01735	-.00003
#3	.00014	.00423	.46414	.03703	.01745	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1530**	**.00023**	**.00299**	**.00235**	**.00148**	**.77623**
Stddev	.0282	.00006	.00021	.00023	.00035	.00734
%RSD	.67922	26.599	6.9898	9.7493	23.631	.94567
#1	4.1804	.00021	.00319	.00261	.00170	.78240
#2	4.1546	.00019	.00301	.00224	.00165	.76811
#3	4.1240	.00030	.00278	.00220	.00108	.77817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56271**	**-.00044**	**.72043**	**.03576**	**.00032**	**2.7825**
Stddev	.01636	.00187	.03234	.00019	.00016	.0408
%RSD	2.9073	427.33	4.4889	.52738	48.344	1.4656
#1	.55093	.00091	.75621	.03574	.00050	2.8287
#2	.58139	.00035	.69328	.03557	.00021	2.7670
#3	.55582	-.00257	.71179	.03595	.00026	2.7516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130072-A-3-A@5 Acquired: 11/24/2021 11:07:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00156**	**.00042**	**-.00511**	**1.1702**	**-.00001**
Stddev	.00089	.00100	.00039	.00263	.0135	.00066
%RSD	1489.6	64.008	93.341	51.522	1.1525	5011.6
#1	.00070	-.00137	.00055	-.00425	1.1814	.00014
#2	-.00104	-.00067	-.00002	-.00301	1.1740	-.00074
#3	.00016	-.00264	.00073	-.00806	1.1553	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00960**	**-.00001**	**.00047**	**.00016**	**.00251**
Stddev	.00566	.00016	.00071	.00159	.00028
%RSD	58.998	2912.9	152.23	1011.4	11.299
#1	.00925	.00017	.00015	.00198	.00231
#2	.01542	-.00012	-.00003	-.00091	.00283
#3	.00412	-.00007	.00128	-.00060	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2151.3**	**3805.2**	**56876.**	**4855.9**
Stddev	3.0	5.9	459.	31.1
%RSD	.14165	.15616	.80649	.64050
#1	2154.0	3806.3	57011.	4820.2
#2	2151.9	3810.5	57252.	4871.2
#3	2148.0	3798.7	56365.	4876.5

Sample Name: 180-130072-A-5-A@2 Acquired: 11/24/2021 11:11:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.00623**	**.49977**	**.03038**	**.10125**	**.00006**
Stddev	.00039	.01535	.00128	.00122	.00051	.00003
%RSD	11691.	246.53	.25631	4.0059	.50825	56.020
#1	.00041	.00319	.50097	.03158	.10176	.00007
#2	-.00036	-.00738	.49842	.03041	.10127	.00008
#3	-.00006	.02286	.49994	.02915	.10073	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.764**	**.00031**	**.00330**	**.07885**	**.14616**	**.00278**
Stddev	.033	.00002	.00016	.00036	.00044	.00296
%RSD	.25981	7.8009	4.9814	.45759	.30182	106.43
#1	12.794	.00030	.00327	.07897	.14660	.00335
#2	12.769	.00034	.00315	.07844	.14572	.00541
#3	12.729	.00029	.00347	.07913	.14617	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3003**	**.00010**	**2.3519**	**.07003**	**.00019**	**2.8554**
Stddev	.0220	.00108	.0658	.00025	.00001	.0039
%RSD	.95537	1114.1	2.7983	.36368	7.2491	.13605
#1	2.2764	-.00011	2.4279	.07032	.00018	2.8599
#2	2.3195	-.00087	2.3143	.06996	.00020	2.8528
#3	2.3051	.00126	2.3134	.06983	.00020	2.8535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130072-A-5-A@2 Acquired: 11/24/2021 11:11:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**-.00067**	**.00251**	**-.00371**	**2.0533**	**-.00042**
Stddev	.00015	.00086	.00174	.00195	.0028	.00073
%RSD	6.9972	127.77	69.185	52.662	.13697	174.44
#1	.00210	-.00110	.00067	-.00427	2.0512	-.00033
#2	.00209	.00032	.00275	-.00532	2.0565	.00026
#3	.00236	-.00123	.00411	-.00154	2.0521	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06680**	**-.00005**	**.00156**	**.01613**	**.02250**
Stddev	.00385	.00005	.00139	.00240	.00022
%RSD	5.7632	92.302	89.100	14.888	.97543
#1	.07041	-.00011	.00001	.01485	.02259
#2	.06725	-.00004	.00198	.01463	.02266
#3	.06275	-.00001	.00268	.01889	.02225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2110.3**	**3758.4**	**56216.**	**4837.6**
Stddev	13.6	20.0	291.	8.4
%RSD	.64550	.53319	.51689	.17274
#1	2110.9	3758.0	55895.	4830.3
#2	2096.4	3738.6	56461.	4835.7
#3	2123.7	3778.7	56293.	4846.7

Sample Name: 180-130074-A-6-A@5 Acquired: 11/24/2021 11:16:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.02378**	**.46307**	**.02707**	**.00295**	**.00011**
Stddev	.00036	.01718	.00511	.00025	.00021	.00014
%RSD	295.84	72.254	1.1042	.93333	7.0162	127.49
#1	-.00015	-.02930	.46793	.02689	.00276	.00026
#2	-.00002	-.03753	.45774	.02736	.00317	-.00002
#3	.00053	-.00452	.46355	.02697	.00292	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7514**	**.00026**	**.00039**	**.00375**	**.10854**	**.00007**
Stddev	.0188	.00015	.00010	.00026	.00025	.00184
%RSD	.68297	58.706	25.263	6.8087	.23470	2598.1
#1	2.7383	.00015	.00032	.00392	.10869	-.00104
#2	2.7730	.00019	.00035	.00388	.10869	-.00094
#3	2.7430	.00043	.00051	.00346	.10825	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39656**	**-.00005**	**.67488**	**.01416**	**.00016**	**.37586**
Stddev	.00854	.00096	.01332	.00012	.00022	.00919
%RSD	2.1530	2006.2	1.9730	.84569	136.60	2.4454
#1	.39623	.00064	.68593	.01429	.00028	.36533
#2	.40526	-.00114	.66010	.01413	.00031	.37996
#3	.38820	.00036	.67860	.01406	-.00009	.38228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-6-A@5 Acquired: 11/24/2021 11:16:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00104**	**.00310**	**-.00243**	**.77828**	**-.00040**
Stddev	.00038	.00133	.00133	.00144	.01003	.00044
%RSD	278.97	127.97	43.051	59.104	1.2887	111.12
#1	-.00058	-.00241	.00177	-.00240	.78391	-.00059
#2	.00004	-.00094	.00443	-.00101	.78424	.00011
#3	.00012	.00024	.00309	-.00389	.76671	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01063**	**.00007**	**.00065**	**.00122**	**.03494**
Stddev	.00446	.00008	.00080	.00100	.00061
%RSD	41.917	109.51	123.65	81.868	1.7604
#1	.00558	-.00002	.00131	.00186	.03504
#2	.01403	.00010	.00087	.00173	.03428
#3	.01228	.00012	-.00024	.00007	.03549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2161.0**	**3817.5**	**57064.**	**4863.5**
Stddev	11.7	21.8	403.	32.8
%RSD	.54154	.57040	.70662	.67512
#1	2147.7	3794.8	56685.	4898.5
#2	2169.8	3838.2	57019.	4833.3
#3	2165.5	3819.5	57487.	4858.8

Sample Name: CCV 4546440 Acquired: 11/24/2021 11:31:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99779**	**24.036**	**.50073**	**2.0336**	**1.9522**	**1.9747**
Stddev	.00476	.012	.00413	.0109	.0029	.0091
%RSD	.47670	.05031	.82451	.53465	.15092	.46067
#1	.99361	24.022	.49661	2.0211	1.9490	1.9689
#2	1.0030	24.046	.50072	2.0399	1.9548	1.9700
#3	.99679	24.039	.50486	2.0400	1.9529	1.9852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.799**	**.50145**	**2.0098**	**1.9123**	**1.9626**	**23.999**
Stddev	.213	.00261	.0098	.0057	.0083	.080
%RSD	.43587	.51991	.48776	.30030	.42232	.33424
#1	48.587	.49844	1.9986	1.9113	1.9571	23.935
#2	49.012	.50311	2.0168	1.9185	1.9721	23.973
#3	48.796	.50279	2.0140	1.9071	1.9585	24.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.54**	**2.0183**	**47.632**	**1.9143**	**1.9255**	**119.89**
Stddev	.65	.0081	.268	.0045	.0108	.57
%RSD	.55270	.40014	.56280	.23525	.55971	.47131
#1	117.42	2.0134	47.376	1.9124	1.9134	120.08
#2	116.95	2.0276	47.608	1.9195	1.9290	119.25
#3	118.24	2.0139	47.911	1.9111	1.9340	120.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 11:31:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0203**	**.50439**	**.49835**	**.50856**	**1.9473**	**1.8608**
Stddev	.0118	.00582	.00481	.00243	.0020	.0106
%RSD	.58408	1.1540	.96499	.47723	.10471	.57069
#1	2.0068	.49769	.49358	.50603	1.9487	1.8486
#2	2.0290	.50730	.50319	.51087	1.9449	1.8654
#3	2.0250	.50818	.49828	.50878	1.9482	1.8683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9540**	**1.9616**	**.95242**	**1.9522**	**1.9341**
Stddev	.0078	.0036	.00512	.0097	.0095
%RSD	.39892	.18577	.53803	.49613	.48846
#1	1.9471	1.9594	.94700	1.9491	1.9232
#2	1.9525	1.9658	.95719	1.9630	1.9385
#3	1.9624	1.9595	.95309	1.9444	1.9405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.6**	**3577.9**	**52742.**	**4750.6**
Stddev	6.7	11.4	145.	20.7
%RSD	.36862	.31996	.27471	.43565
#1	1812.6	3591.0	52795.	4770.0
#2	1799.3	3569.8	52578.	4752.9
#3	1805.0	3572.9	52853.	4728.8

Sample Name: CCB7 Acquired: 11/24/2021 11:35:42 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.01094**	**.00188**	**.00935**	**-.00009**	**.00003**
Stddev	.00035	.02407	.00290	.00032	.00022	.00010
%RSD	199.60	220.10	154.25	3.4548	241.07	325.67
#1	.00004	-.00365	.00450	.00898	.00014	.00006
#2	.00001	-.00226	-.00123	.00952	-.00030	.00012
#3	-.00057	.03872	.00237	.00955	-.00012	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00005**	**.00016**	**.00056**	**.00064**	**.00038**
Stddev	.00633	.00003	.00019	.00057	.00015	.00230
%RSD	6034.2	68.190	125.14	100.71	23.465	606.77
#1	-.00735	.00004	.00036	.00111	.00047	-.00127
#2	.00271	.00008	-.00003	-.00002	.00073	-.00061
#3	.00433	.00002	.00014	.00060	.00073	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10605**	**.00295**	**-.02272**	**.00006**	**.00548**	**.03225**
Stddev	.03072	.00030	.01175	.00003	.00076	.00672
%RSD	28.968	10.098	51.727	41.331	13.936	20.849
#1	.10835	.00310	-.01212	.00006	.00624	.03388
#2	.13556	.00260	-.03536	.00009	.00547	.03801
#3	.07425	.00314	-.02068	.00004	.00472	.02486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB7 Acquired: 11/24/2021 11:35:42 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00018**	**.00133**	**-.00153**	**-.00513**	**-.00042**
Stddev	.00063	.00077	.00057	.00280	.00662	.00085
%RSD	1758.1	426.59	43.355	183.77	128.95	200.44
#1	.00044	-.00105	.00128	.00093	.00112	.00041
#2	.00020	.00008	.00078	-.00093	-.01207	-.00129
#3	-.00075	.00043	.00192	-.00458	-.00445	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00322**	**.00018**	**.00038**	**.00282**	**.00008**
Stddev	.00419	.00015	.00075	.00424	.00015
%RSD	130.21	85.971	198.22	150.52	194.60
#1	-.00691	.00026	.00070	.00119	-.00009
#2	-.00408	.00027	.00091	-.00037	.00017
#3	.00134	.00000	-.00048	.00764	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2123.3**	**3759.6**	**56169.**	**4810.6**
Stddev	2.1	7.1	236.	19.9
%RSD	.09841	.18914	.41949	.41321
#1	2125.7	3762.1	55981.	4804.3
#2	2122.4	3765.2	56434.	4832.9
#3	2121.9	3751.6	56093.	4794.7

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:40:28 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00480**	**.18062**	**.01265**	**.21151**	**.20449**	**.00411**
Stddev	.00023	.04579	.00086	.00064	.00062	.00010
%RSD	4.7633	25.349	6.8331	.30107	.30237	2.3549
#1	.00456	.23305	.01364	.21206	.20511	.00422
#2	.00501	.14849	.01202	.21165	.20449	.00408
#3	.00484	.16033	.01229	.21081	.20387	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0457**	**.00499**	**.04756**	**.00516**	**.02582**	**.10029**
Stddev	.0066	.00005	.00022	.00025	.00036	.00177
%RSD	.13013	.92400	.46708	4.7478	1.3801	1.7661
#1	5.0451	.00496	.04768	.00488	.02542	.10068
#2	5.0525	.00504	.04770	.00529	.02608	.10182
#3	5.0394	.00496	.04731	.00532	.02597	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8000**	**.05150**	**5.0893**	**.01526**	**.03978**	**4.8665**
Stddev	.0709	.00043	.0576	.00011	.00023	.0454
%RSD	1.4774	.82979	1.1312	.72103	.57824	.93280
#1	4.8461	.05199	5.0272	.01526	.03983	4.8942
#2	4.8356	.05120	5.1410	.01538	.03953	4.8911
#3	4.7183	.05131	5.0997	.01516	.03998	4.8141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:40:28 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03896**	**.00770**	**.00983**	F **.00614**	**.61625**	**.09586**
Stddev	.00068	.00132	.00041	.00071	.01740	.00031
%RSD	1.7436	17.110	4.1473	11.582	2.8242	.32299
#1	.03920	.00753	.00944	.00691	.63135	.09620
#2	.03819	.00909	.01025	.00551	.59722	.09560
#3	.03949	.00647	.00979	.00600	.62018	.09576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				.01000		
Range				-30.000%		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**.05044**	**.01929**	**.05278**	**.02025**
Stddev	.00778	.00008	.00108	.00337	.00007
%RSD	15.493	.15233	5.5867	6.3865	.36813
#1	.05797	.05048	.02054	.05526	.02019
#2	.05036	.05036	.01874	.04894	.02022
#3	.04240	.05049	.01860	.05413	.02033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.9**	**3755.2**	**55607.**	**4764.6**
Stddev	4.1	7.1	263.	22.5
%RSD	.19507	.18899	.47338	.47257
#1	2104.6	3747.7	55811.	4761.9
#2	2109.1	3761.8	55310.	4743.6
#3	2100.9	3756.1	55699.	4788.4

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:46:25 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.19624**	**.00996**	**.20938**	**.20510**	**.00427**
Stddev	.00022	.02370	.00074	.00131	.00239	.00011
%RSD	4.3360	12.077	7.4513	.62371	1.1676	2.5058
#1	.00530	.16908	.01051	.21089	.20245	.00415
#2	.00501	.21271	.00912	.20864	.20711	.00430
#3	.00487	.20694	.01026	.20862	.20575	.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0588**	**.00509**	**.04755**	**.00519**	**.02627**	**.10100**
Stddev	.0834	.00003	.00010	.00026	.00035	.00142
%RSD	1.6496	.64695	.20441	5.0482	1.3195	1.4050
#1	4.9667	.00505	.04744	.00495	.02664	.09937
#2	5.1295	.00510	.04757	.00515	.02595	.10193
#3	5.0801	.00512	.04763	.00547	.02623	.10171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7892**	**.05129**	**5.1027**	**.01536**	**.03890**	**4.8452**
Stddev	.0539	.00060	.0712	.00017	.00002	.0457
%RSD	1.1261	1.1681	1.3953	1.0819	.04357	.94417
#1	4.7353	.05148	5.0255	.01523	.03889	4.7927
#2	4.7891	.05177	5.1658	.01554	.03892	4.8664
#3	4.8432	.05062	5.1168	.01530	.03889	4.8766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 11:46:25 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03894**	**.00931**	**.00977**	**.00763**	**.60364**	**.09540**
Stddev	.00029	.00120	.00164	.00098	.01341	.00103
%RSD	.73653	12.901	16.760	12.818	2.2223	1.0838
#1	.03926	.01048	.01098	.00808	.59363	.09470
#2	.03885	.00808	.01042	.00651	.61888	.09492
#3	.03871	.00936	.00791	.00830	.59841	.09659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04505**	**.05009**	**.01994**	**.05117**	**.02000**
Stddev	.00493	.00079	.00090	.00185	.00021
%RSD	10.950	1.5800	4.4896	3.6151	1.0257
#1	.04779	.04942	.02011	.04967	.02024
#2	.04800	.05096	.01897	.05060	.01989
#3	.03935	.04989	.02074	.05323	.01988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2107.7**	**3760.4**	**55292.**	**4753.8**
Stddev	3.3	11.3	450.	69.5
%RSD	.15739	.30020	.81443	1.4622
#1	2104.9	3748.2	55692.	4833.5
#2	2106.9	3762.7	54804.	4706.2
#3	2111.4	3770.4	55378.	4721.6

Sample Name: MB 180-379963/1-A Acquired: 11/24/2021 11:55:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.02926**	**-.00167**	**.00462**	**-.00009**	**.00001**
Stddev	.00040	.01729	.00092	.00042	.00008	.00004
%RSD	82.202	59.091	54.941	9.1430	91.259	469.38
#1	.00011	-.00930	-.00091	.00502	-.00011	.00003
#2	.00091	-.03927	-.00140	.00418	.00000	-.00003
#3	.00045	-.03921	-.00269	.00466	-.00016	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**.00005**	**.00006**	**.00061**	**.00078**	**-.00167**
Stddev	.00203	.00008	.00037	.00003	.00066	.00340
%RSD	52.774	147.27	577.37	4.2742	84.722	203.24
#1	.00190	-.00003	-.00036	.00061	.00115	.00030
#2	.00596	.00008	.00032	.00064	.00002	.00028
#3	.00371	.00012	.00024	.00059	.00118	-.00560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02868**	**.00068**	**.00560**	**.00011**	**.00020**	**.00032**
Stddev	.01410	.00118	.00370	.00005	.00010	.00534
%RSD	49.179	173.72	66.164	41.501	51.478	1656.3
#1	-.04385	-.00024	.00374	.00016	.00018	.00604
#2	-.01596	.00027	.00986	.00009	.00032	-.00054
#3	-.02623	.00201	.00319	.00008	.00012	-.00453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379963/1-A Acquired: 11/24/2021 11:55:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00024**	**.00077**	**-.00236**	**.00084**	**.00142**
Stddev	.00028	.00043	.00240	.00155	.00222	.00033
%RSD	65.385	179.99	309.54	65.681	265.26	23.097
#1	.00012	.00025	.00089	-.00345	-.00153	.00159
#2	.00049	-.00058	-.00168	-.00059	.00117	.00163
#3	.00066	-.00039	.00311	-.00306	.00287	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00001**	**.00106**	**.00043**	**.00011**
Stddev	.00427	.00009	.00098	.00432	.00008
%RSD	236.04	1041.5	92.548	995.88	70.145
#1	.00573	.00004	.00003	-.00387	.00018
#2	-.00273	-.00009	.00117	.00040	.00003
#3	.00242	.00008	.00199	.00477	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2130.2**	**3767.8**	**56375.**	**4906.2**
Stddev	7.9	9.6	227.	128.2
%RSD	.37225	.25582	.40209	2.6137
#1	2121.7	3759.8	56592.	4809.5
#2	2137.4	3778.5	56140.	5051.7
#3	2131.5	3765.0	56394.	4857.5

Sample Name: LCS 180-379963/2-A Acquired: 11/24/2021 12:00:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22785**	**4.7146**	**.94801**	**1.1905**	**.94803**	**.48325**
Stddev	.00066	.0293	.00417	.0017	.00549	.00266
%RSD	.29096	.62144	.44031	.13935	.57898	.55088
#1	.22714	4.6821	.94698	1.1892	.94175	.48041
#2	.22846	4.7227	.95260	1.1924	.95045	.48365
#3	.22794	4.7390	.94445	1.1900	.95189	.48569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.829**	**.46579**	**.45857**	**.46101**	**.47809**	**4.6774**
Stddev	.171	.00107	.00035	.00121	.00162	.0439
%RSD	.71937	.23069	.07696	.26147	.33978	.93863
#1	23.647	.46518	.45851	.45978	.47705	4.6267
#2	23.988	.46703	.45825	.46106	.47996	4.7029
#3	23.850	.46516	.45895	.46219	.47726	4.7026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.624**	**.48479**	**23.051**	**.46560**	**.45762**	**23.294**
Stddev	.163	.00247	.188	.00066	.00058	.139
%RSD	.72113	.51000	.81534	.14081	.12568	.59552
#1	22.443	.48206	22.837	.46491	.45698	23.142
#2	22.672	.48546	23.189	.46567	.45778	23.328
#3	22.759	.48686	23.129	.46621	.45809	23.413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379963/2-A Acquired: 11/24/2021 12:00:37 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45789**	**.45675**	**.21784**	**.93500**	**.95179**	**.88553**
Stddev	.00090	.00130	.00110	.00322	.01494	.00103
%RSD	.19724	.28431	.50337	.34421	1.5694	.11652
#1	.45759	.45546	.21715	.93214	.93794	.88548
#2	.45717	.45674	.21911	.93849	.94981	.88453
#3	.45890	.45805	.21727	.93437	.96762	.88659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47521**	**.48158**	**.86378**	**.46766**	**.22999**
Stddev	.00315	.00086	.00098	.00777	.00049
%RSD	.66272	.17938	.11402	1.6620	.21382
#1	.47873	.48088	.86388	.45870	.22943
#2	.47266	.48131	.86471	.47264	.23031
#3	.47425	.48255	.86275	.47163	.23025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.4**	**3669.9**	**54370.**	**4770.8**
Stddev	2.5	6.7	113.	29.6
%RSD	.12708	.18180	.20865	.61975
#1	1977.7	3667.1	54484.	4798.7
#2	1981.0	3665.0	54257.	4739.8
#3	1982.6	3677.5	54368.	4774.0

Sample Name: 180-130292-D-1-B Acquired: 11/24/2021 12:04:58 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**1.6535**	**.00518**	**.01050**	**.00503**	**.00009**
Stddev	.00038	.0066	.00148	.00007	.00003	.00007
%RSD	68.302	.40214	28.655	.70164	.62030	80.520
#1	.00074	1.6599	.00446	.01042	.00500	.00011
#2	.00012	1.6539	.00689	.01056	.00505	.00014
#3	.00082	1.6466	.00420	.01052	.00505	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86393**	**.00028**	**.00125**	**.00924**	**.01894**	**1.1950**
Stddev	.00403	.00014	.00025	.00024	.00074	.0110
%RSD	.46664	50.259	20.022	2.6077	3.8963	.91808
#1	.86033	.00012	.00136	.00903	.01979	1.1824
#2	.86317	.00034	.00142	.00919	.01852	1.2020
#3	.86829	.00038	.00096	.00950	.01850	1.2007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55466**	**.00356**	**1.8592**	**.04958**	**.00189**	F **315.12**
Stddev	.02243	.00106	.0067	.00015	.00034	3.61
%RSD	4.0438	29.861	.36024	.30136	17.758	1.1455
#1	.53229	.00234	1.8517	.04963	.00226	311.72
#2	.55454	.00432	1.8643	.04941	.00180	314.74
#3	.57715	.00400	1.8618	.04970	.00160	318.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130292-D-1-B Acquired: 11/24/2021 12:04:58 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01793**	**.03195**	**.01439**	**-.00053**	**.11252**	F **51.751**
Stddev	.00063	.00214	.00075	.00247	.00719	.138
%RSD	3.5303	6.6951	5.1872	466.57	6.3885	.26617
#1	.01731	.02951	.01375	-.00009	.11829	51.909
#2	.01791	.03350	.01521	-.00319	.11480	51.684
#3	.01857	.03283	.01421	.00169	.10447	51.659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16531**	**.00064**	**-.00102**	**.00025**	**.02146**
Stddev	.00588	.00007	.00108	.00377	.00022
%RSD	3.5576	11.403	106.43	1529.1	1.0242
#1	.17071	.00071	-.00224	-.00209	.02171
#2	.16617	.00056	-.00067	-.00177	.02130
#3	.15904	.00064	-.00016	.00460	.02137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1870.4**	**3587.7**	**52437.**	**4774.5**
Stddev	1.8	6.9	23.	11.4
%RSD	.09558	.19147	.04343	.23893
#1	1868.3	3579.8	52420.	4777.5
#2	1871.3	3592.2	52428.	4784.0
#3	1871.5	3591.1	52463.	4761.8

Sample Name: 180-130292-E-3-B Acquired: 11/24/2021 12:09:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**2.2452**	**.00713**	**.01050**	**.00557**	**.00004**
Stddev	.00024	.0179	.00200	.00016	.00010	.00004
%RSD	27.138	.79829	28.100	1.5260	1.8677	99.913
#1	.00067	2.2322	.00735	.01031	.00567	.00007
#2	.00087	2.2656	.00902	.01056	.00557	.00003
#3	.00115	2.2377	.00503	.01062	.00547	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77401**	**.00035**	**.00138**	**.00959**	**.02304**	**1.1956**
Stddev	.00754	.00010	.00009	.00016	.00033	.0016
%RSD	.97437	27.727	6.7482	1.7072	1.4414	.13107
#1	.77258	.00046	.00149	.00962	.02266	1.1955
#2	.78217	.00027	.00136	.00973	.02327	1.1941
#3	.76729	.00031	.00131	.00941	.02318	1.1972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57861**	**.00420**	**1.8736**	**.04927**	**.00155**	F **302.79**
Stddev	.03992	.00091	.0116	.00019	.00011	1.53
%RSD	6.8986	21.664	.61661	.39491	6.9051	.50536
#1	.55278	.00315	1.8734	.04910	.00166	304.28
#2	.62458	.00465	1.8622	.04924	.00145	301.23
#3	.55846	.00479	1.8853	.04949	.00155	302.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130292-E-3-B Acquired: 11/24/2021 12:09:44 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01855**	**.04352**	**.01993**	**-.00143**	**.12436**	F **61.005**
Stddev	.00044	.00167	.00080	.00192	.00691	.084
%RSD	2.3892	3.8278	4.0147	134.44	5.5589	.13774
#1	.01803	.04295	.01902	-.00309	.13232	60.992
#2	.01880	.04221	.02053	.00067	.11979	60.928
#3	.01880	.04539	.02023	-.00186	.12098	61.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17099**	**.00065**	**-.00036**	**.00215**	**.02026**
Stddev	.00510	.00008	.00114	.00203	.00020
%RSD	2.9841	12.901	320.11	94.684	.96591
#1	.16792	.00059	-.00135	.00332	.02010
#2	.16816	.00062	-.00061	.00332	.02020
#3	.17688	.00075	.00089	-.00020	.02048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1863.1**	**3572.9**	**52631.**	**4751.0**
Stddev	2.1	5.6	92.	2.5
%RSD	.11386	.15629	.17392	.05304
#1	1864.3	3573.3	52638.	4752.0
#2	1864.3	3578.3	52719.	4748.2
#3	1860.6	3567.2	52536.	4753.0

Sample Name: 180-130293-D-1-B Acquired: 11/24/2021 12:14:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00614**	**.01665**	**.00559**	**.00029**	**.00009**
Stddev	.00076	.02010	.00260	.00069	.00012	.00009
%RSD	7025.9	327.33	15.620	12.315	41.169	91.192
#1	.00030	.02491	.01366	.00536	.00022	.00018
#2	.00058	.00859	.01786	.00636	.00043	.00001
#3	-.00085	-.01507	.01842	.00504	.00022	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05224**	**.00017**	**.00008**	**.00430**	**.00182**	**.06882**
Stddev	.00205	.00010	.00025	.00040	.00045	.00402
%RSD	3.9279	60.154	310.28	9.2491	24.619	5.8354
#1	.04994	.00027	.00003	.00393	.00207	.07168
#2	.05293	.00016	.00036	.00426	.00209	.07055
#3	.05386	.00007	-.00014	.00472	.00130	.06423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03296**	**.00036**	**-.00402**	**.00043**	**.00070**	**.11998**
Stddev	.01227	.00049	.00481	.00006	.00006	.00602
%RSD	37.227	134.60	119.85	13.736	8.7046	5.0166
#1	.02149	-.00002	.00112	.00047	.00064	.12645
#2	.03150	.00019	-.00842	.00046	.00077	.11454
#3	.04590	.00092	-.00475	.00036	.00070	.11895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-1-B Acquired: 11/24/2021 12:14:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00018**	F **8.0333**	**-.00220**	**.00994**	F **28.001**
Stddev	.00039	.00011	.0400	.00177	.00426	.191
%RSD	65.087	62.670	.49762	80.328	42.847	.68198
#1	.00025	-.00030	7.9885	-.00104	.00761	27.782
#2	.00053	-.00016	8.0653	-.00423	.01485	28.089
#3	.00103	-.00008	8.0462	-.00132	.00735	28.131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00529**	**.00059**	**-.00065**	**-.00069**	**.00213**
Stddev	.00397	.00024	.00022	.00245	.00014
%RSD	75.148	39.683	34.141	354.51	6.5952
#1	-.00400	.00082	-.00041	.00143	.00226
#2	-.00974	.00035	-.00070	-.00337	.00216
#3	-.00212	.00061	-.00085	-.00013	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2163.3**	**3789.5**	**57070.**	**4874.4**
Stddev	4.5	8.1	374.	10.0
%RSD	.20621	.21491	.65558	.20584
#1	2166.7	3795.6	57413.	4885.4
#2	2158.2	3780.2	57125.	4865.7
#3	2164.9	3792.6	56671.	4872.0

Sample Name: 180-130293-D-2-A Acquired: 11/24/2021 12:19:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**2.0513**	**.00748**	**.00970**	**.00555**	**-.00003**
Stddev	.00024	.0022	.00266	.00049	.00029	.00005
%RSD	38.425	.10710	35.551	5.0980	5.2627	155.54
#1	.00038	2.0534	.00477	.00955	.00589	-.00003
#2	.00062	2.0490	.00759	.00931	.00540	.00002
#3	.00086	2.0514	.01008	.01026	.00537	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79703**	**.00018**	**.00122**	**.00994**	**.02218**	**1.2787**
Stddev	.00418	.00004	.00018	.00036	.00033	.0073
%RSD	.52426	20.498	14.849	3.5972	1.4860	.57013
#1	.79839	.00023	.00140	.01008	.02254	1.2755
#2	.80036	.00017	.00122	.01021	.02190	1.2735
#3	.79234	.00016	.00103	.00953	.02210	1.2870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58108**	**.00566**	**1.8928**	**.05311**	**.00120**	F **319.27**
Stddev	.02172	.00059	.0217	.00026	.00016	.60
%RSD	3.7380	10.339	1.1480	.48014	13.609	.18851
#1	.55601	.00499	1.8963	.05339	.00139	318.62
#2	.59300	.00603	1.8695	.05304	.00109	319.41
#3	.59424	.00597	1.9126	.05290	.00112	319.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130293-D-2-A Acquired: 11/24/2021 12:19:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01898**	**.03757**	**.06243**	**-.00452**	**.12801**	F **58.568**
Stddev	.00018	.00134	.00518	.00311	.00554	.094
%RSD	.95438	3.5739	8.3004	68.770	4.3312	.15979
#1	.01882	.03723	.06708	-.00226	.12269	58.672
#2	.01917	.03643	.06337	-.00323	.13375	58.489
#3	.01896	.03905	.05685	-.00806	.12759	58.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17810**	**.00074**	**.00047**	**-.00117**	**.01975**
Stddev	.00582	.00015	.00047	.00341	.00008
%RSD	3.2651	20.877	99.873	291.19	.39405
#1	.17433	.00061	-.00007	.00162	.01983
#2	.18480	.00069	.00080	-.00498	.01976
#3	.17518	.00091	.00067	-.00016	.01967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1874.7**	**3601.0**	**52573.**	**4791.8**
Stddev	4.6	6.2	107.	20.2
%RSD	.24460	.17182	.20433	.42059
#1	1869.5	3594.0	52481.	4796.8
#2	1876.2	3603.0	52691.	4769.6
#3	1878.3	3605.9	52546.	4809.0

Sample Name: 180-130293-D-3-B Acquired: 11/24/2021 12:23:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00551**	**.01230**	**.00486**	**-.00004**	**-.00002**
Stddev	.00018	.02343	.00230	.00063	.00008	.00009
%RSD	451.89	425.48	18.667	13.023	186.73	589.86
#1	.00006	.01861	.01491	.00427	.00003	-.00012
#2	-.00015	.01946	.01059	.00553	-.00013	.00003
#3	.00021	-.02155	.01141	.00479	-.00003	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05759**	**.00012**	**.00003**	**.00341**	**.00218**	**.07135**
Stddev	.00315	.00010	.00011	.00013	.00080	.00227
%RSD	5.4675	88.389	338.22	3.9107	36.699	3.1871
#1	.05814	.00003	-.00008	.00343	.00144	.07229
#2	.05420	.00009	.00004	.00354	.00207	.07300
#3	.06043	.00023	.00014	.00327	.00302	.06876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02369**	**.00106**	**-.00236**	**.00056**	**.00073**	**.13771**
Stddev	.00921	.00113	.02300	.00001	.00019	.00524
%RSD	38.871	106.82	974.32	2.3269	26.099	3.8056
#1	.01361	.00193	-.02567	.00057	.00078	.14176
#2	.03166	.00146	.02033	.00055	.00090	.13957
#3	.02580	-.00022	-.00174	.00056	.00052	.13179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-B Acquired: 11/24/2021 12:23:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00013**	F **7.6388**	**-.00188**	**.01779**	F **26.013**
Stddev	.00035	.00138	.0039	.00190	.00889	.031
%RSD	357.85	1041.5	.05140	100.82	49.973	.11879
#1	.00025	.00081	7.6344	-.00141	.01723	26.022
#2	-.00009	-.00145	7.6400	-.00026	.00919	26.038
#3	-.00046	.00104	7.6419	-.00397	.02694	25.978
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00051**	**-.00034**	**.00371**	**.00227**
Stddev	.00510	.00015	.00023	.00297	.00021
%RSD	672.46	30.092	68.454	80.054	9.2410
#1	-.00458	.00068	-.00061	.00069	.00250
#2	.00127	.00038	-.00021	.00662	.00209
#3	.00559	.00046	-.00020	.00382	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2170.3**	**3808.0**	**57144.**	**4878.5**
Stddev	2.3	6.7	238.	24.5
%RSD	.10517	.17554	.41633	.50285
#1	2168.3	3802.5	57141.	4850.1
#2	2169.8	3806.0	56908.	4892.1
#3	2172.8	3815.5	57384.	4893.2

Sample Name: 180-130293-D-3B SD@5 Acquired: 11/24/2021 12:28:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00628**	**.00381**	**.00256**	**.00003**	**.00000**
Stddev	.00008	.01749	.00268	.00014	.00014	.00002
%RSD	24.080	278.64	70.308	5.3093	405.02	496.80
#1	.00040	-.02492	.00643	.00246	-.00011	.00003
#2	.00028	-.00367	.00391	.00272	.00005	-.00001
#3	.00026	.00976	.00108	.00251	.00016	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00683**	**.00003**	**.00003**	**.00118**	**.00136**	**.01288**
Stddev	.00141	.00007	.00019	.00036	.00045	.00628
%RSD	20.651	228.18	748.62	30.522	33.335	48.733
#1	.00569	.00008	-.00013	.00132	.00150	.02004
#2	.00641	-.00005	.00023	.00145	.00086	.01026
#3	.00841	.00006	-.00003	.00077	.00173	.00834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01450**	**.00124**	**.00269**	**.00018**	**-.00003**	**.05429**
Stddev	.03901	.00090	.00683	.00002	.00011	.01228
%RSD	269.02	72.623	253.57	9.3662	350.39	22.621
#1	-.01246	.00063	-.00408	.00019	-.00016	.06765
#2	.02345	.00228	.00258	.00020	.00002	.04349
#3	-.05449	.00082	.00957	.00016	.00004	.05173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3B SD@5 Acquired: 11/24/2021 12:28:30 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00017**	F **1.5567**	**-.00388**	**.00253**	F **5.0722**
Stddev	.00022	.00098	.0073	.00128	.00430	.0291
%RSD	84.068	591.82	.46558	33.131	169.95	.57366
#1	.00037	-.00072	1.5647	-.00440	.00610	5.1020
#2	.00001	-.00001	1.5506	-.00481	.00372	5.0438
#3	.00041	.00123	1.5547	-.00241	-.00224	5.0708
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00189**	**.00011**	**.00027**	**.00026**	**.00057**
Stddev	.00601	.00001	.00091	.00238	.00008
%RSD	317.71	6.1665	330.09	933.52	14.013
#1	.00317	.00011	.00093	-.00097	.00065
#2	.00717	.00010	.00066	-.00126	.00054
#3	-.00466	.00012	-.00076	.00300	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2164.3**	**3809.1**	**56960.**	**4894.1**
Stddev	12.1	15.2	152.	36.4
%RSD	.56129	.39780	.26741	.74294
#1	2153.9	3791.8	57126.	4861.6
#2	2161.3	3815.4	56826.	4887.4
#3	2177.6	3820.0	56929.	4933.4

Sample Name: CCV 4546440 Acquired: 11/24/2021 12:33:09 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99870**	**24.334**	**.49740**	**2.0269**	**1.9821**	**2.0078**
Stddev	.00147	.088	.00266	.0037	.0081	.0056
%RSD	.14685	.36055	.53528	.18207	.40786	.28090
#1	.99707	24.431	.50004	2.0311	1.9892	2.0110
#2	.99991	24.259	.49745	2.0255	1.9838	2.0112
#3	.99913	24.313	.49472	2.0241	1.9733	2.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.389**	**.50193**	**1.9949**	**1.9221**	**1.9702**	**24.305**
Stddev	.136	.00084	.0052	.0022	.0036	.085
%RSD	.27624	.16704	.25967	.11182	.18163	.35176
#1	49.501	.50238	1.9900	1.9202	1.9661	24.339
#2	49.237	.50244	1.9945	1.9244	1.9728	24.368
#3	49.429	.50096	2.0003	1.9216	1.9716	24.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.09**	**2.0253**	**48.153**	**1.9268**	**1.8980**	**121.43**
Stddev	.49	.0055	.140	.0055	.0042	.57
%RSD	.41274	.27008	.29129	.28290	.21877	.47341
#1	119.40	2.0291	48.280	1.9205	1.8932	121.76
#2	119.34	2.0278	48.177	1.9303	1.9008	121.75
#3	118.52	2.0191	48.003	1.9296	1.9000	120.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 12:33:09 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0166**	**.50808**	F **.55732**	**.50491**	**1.9936**	**1.9066**
Stddev	.0060	.00199	.00486	.00631	.0126	.0019
%RSD	.29702	.39100	.87229	1.2494	.63311	.09976
#1	2.0098	.50760	.56106	.49763	1.9830	1.9069
#2	2.0206	.50637	.55907	.50878	2.0076	1.9083
#3	2.0196	.51026	.55183	.50832	1.9902	1.9045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.50000			
Range			10.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**1.9770**	**.94361**	**1.9797**	**1.9308**
Stddev	.0097	.0032	.00237	.0046	.0064
%RSD	.48654	.16344	.25143	.23492	.33048
#1	1.9876	1.9733	.94087	1.9842	1.9237
#2	1.9939	1.9784	.94485	1.9749	1.9360
#3	1.9749	1.9793	.94509	1.9800	1.9327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1806.1**	**3568.0**	**52576.**	**4690.1**
Stddev	4.3	3.6	158.	29.8
%RSD	.23920	.10138	.30086	.63439
#1	1810.9	3571.6	52758.	4664.3
#2	1805.0	3564.3	52504.	4722.6
#3	1802.5	3568.2	52467.	4683.2

Sample Name: CCB8 Acquired: 11/24/2021 12:37:32 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.01375**	**-.00039**	**.00334**	**-.00005**	**.00003**
Stddev	.00052	.01642	.00122	.00023	.00009	.00010
%RSD	241.48	119.38	313.20	6.9287	181.06	342.09
#1	.00077	.00298	-.00150	.00334	-.00014	-.00008
#2	-.00025	-.02985	-.00058	.00357	-.00006	.00005
#3	.00012	-.01439	.00091	.00310	.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00010**	**.00014**	**.00023**	**.00042**	**-.00037**
Stddev	.00436	.00006	.00017	.00035	.00092	.00389
%RSD	157.83	60.661	114.83	154.95	219.00	1064.1
#1	.00676	.00007	.00032	.00042	.00001	.00399
#2	-.00189	.00006	-.00000	-.00018	-.00023	-.00349
#3	.00342	.00017	.00011	.00044	.00148	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08365**	**.00182**	**-.02387**	**.00010**	**.00690**	**.03783**
Stddev	.01129	.00127	.01784	.00003	.00111	.00667
%RSD	13.495	69.705	74.739	32.257	16.141	17.640
#1	.09313	.00099	-.03869	.00013	.00805	.04124
#2	.07116	.00119	-.00407	.00007	.00681	.04210
#3	.08667	.00328	-.02885	.00011	.00583	.03014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB8 Acquired: 11/24/2021 12:37:32 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00001**	F **.02875**	**-.00188**	**.00367**	**.04947**
Stddev	.00007	.00144	.00074	.00188	.01477	.00184
%RSD	156.79	13691.	2.5742	100.02	402.74	3.7128
#1	-.00004	-.00135	.02856	.00023	-.00571	.05029
#2	.00002	.00152	.02956	-.00248	-.00398	.05075
#3	-.00012	-.00014	.02812	-.00338	.02069	.04736
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			
Low Limit			-.01000			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**.00023**	**-.00007**	**.00249**	**.00007**
Stddev	.00413	.00019	.00144	.00080	.00010
%RSD	117.77	81.856	2061.9	32.215	154.54
#1	-.00148	.00044	.00151	.00192	.00007
#2	-.00827	.00007	-.00043	.00341	.00017
#3	-.00078	.00018	-.00130	.00215	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2147.8**	**3793.5**	**56463.**	**4820.0**
Stddev	1.5	2.6	165.	45.9
%RSD	.06869	.06930	.29181	.95182
#1	2146.4	3790.6	56450.	4771.9
#2	2147.8	3795.6	56305.	4863.2
#3	2149.3	3794.3	56634.	4824.9

Sample Name: 180-130293-D-3-C MS Acquired: 11/24/2021 12:42:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19797**	**3.9596**	**.66985**	**1.0233**	**.81705**	**.41674**
Stddev	.00084	.0116	.00071	.0019	.00260	.00261
%RSD	.42493	.29349	.10646	.18237	.31802	.62746
#1	.19707	3.9487	.67024	1.0240	.81944	.41953
#2	.19874	3.9718	.66902	1.0211	.81428	.41435
#3	.19808	3.9584	.67028	1.0246	.81744	.41633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.263**	**.40425**	**.40066**	**.40263**	**.40849**	**3.9510**
Stddev	.018	.00058	.00056	.00099	.00052	.0237
%RSD	.08908	.14377	.13878	.24550	.12708	.60058
#1	20.269	.40400	.40121	.40317	.40800	3.9784
#2	20.243	.40383	.40010	.40149	.40903	3.9376
#3	20.277	.40491	.40068	.40323	.40844	3.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.121**	**.41351**	**19.548**	**.40165**	**.30325**	**19.648**
Stddev	.161	.00077	.081	.00089	.00064	.205
%RSD	.84213	.18543	.41617	.22147	.20996	1.0419
#1	19.275	.41273	19.550	.40065	.30319	19.872
#2	18.953	.41426	19.465	.40233	.30391	19.471
#3	19.134	.41355	19.628	.40199	.30264	19.601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-C MS Acquired: 11/24/2021 12:42:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40149**	**.39859**	F **8.8418**	**.73284**	**.80034**	F **38.483**
Stddev	.00083	.00282	.0094	.00397	.00257	.101
%RSD	.20764	.70857	.10619	.54106	.32086	.26199
#1	.40174	.39793	8.8439	.72917	.80044	38.599
#2	.40217	.40168	8.8315	.73231	.79773	38.416
#3	.40056	.39614	8.8499	.73705	.80286	38.434
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.39771**	**.37127**	**.76571**	**.39747**	**.19722**
Stddev	.00193	.00041	.00087	.00419	.00107
%RSD	.48600	.11075	.11312	1.0546	.54452
#1	.39814	.37163	.76581	.40194	.19820
#2	.39939	.37082	.76653	.39683	.19607
#3	.39560	.37136	.76481	.39363	.19740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1971.8**	**3695.7**	**54633.**	**4813.8**
Stddev	4.1	8.7	114.	15.4
%RSD	.20853	.23494	.20895	.31955
#1	1967.1	3686.4	54755.	4796.5
#2	1973.7	3703.5	54529.	4826.0
#3	1974.6	3697.2	54614.	4818.9

Sample Name: 180-130293-D-3-D MSD Acquired: 11/24/2021 12:46:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19906**	**4.0501**	**.69437**	**1.0202**	**.82883**	**.42244**
Stddev	.00041	.0601	.00427	.0064	.00170	.00075
%RSD	.20659	1.4837	.61564	.62830	.20547	.17827
#1	.19859	4.0130	.69252	1.0181	.82697	.42307
#2	.19935	4.0178	.69132	1.0151	.82923	.42264
#3	.19924	4.1194	.69925	1.0274	.83030	.42160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.556**	**.41003**	**.40786**	**.40776**	**.41619**	**4.0515**
Stddev	.060	.00323	.00317	.00201	.00025	.0195
%RSD	.29291	.78774	.77662	.49275	.06093	.48083
#1	20.622	.40916	.40629	.40609	.41597	4.0604
#2	20.540	.40733	.40578	.40999	.41647	4.0649
#3	20.505	.41361	.41151	.40720	.41614	4.0291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.447**	**.41852**	**19.924**	**.40643**	**.32100**	**20.008**
Stddev	.044	.00064	.041	.00094	.00212	.014
%RSD	.22686	.15175	.20567	.23197	.65946	.06830
#1	19.491	.41857	19.968	.40534	.32058	19.999
#2	19.402	.41786	19.918	.40688	.31913	20.024
#3	19.447	.41913	19.887	.40706	.32330	20.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-D MSD Acquired: 11/24/2021 12:46:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40879**	**.40264**	F **8.9297**	**.75203**	**.83836**	F **39.816**
Stddev	.00303	.00646	.0657	.00587	.01154	.302
%RSD	.74017	1.6044	.73622	.78035	1.3766	.75866
#1	.40885	.39844	8.9048	.74722	.85005	39.695
#2	.40574	.39941	8.8800	.75031	.83805	39.592
#3	.41179	.41008	9.0042	.75857	.82698	40.159
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41377**	**.38516**	**.77276**	**.40934**	**.20066**
Stddev	.00226	.00117	.00615	.00235	.00175
%RSD	.54675	.30483	.79536	.57528	.87198
#1	.41635	.38389	.77268	.40671	.20029
#2	.41212	.38620	.76666	.41007	.19912
#3	.41284	.38540	.77895	.41124	.20256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1982.1**	**3704.1**	**55034.**	**4860.1**
Stddev	9.0	19.9	104.	46.7
%RSD	.45299	.53607	.18861	.96097
#1	1987.1	3713.3	55074.	4823.8
#2	1987.5	3717.6	55113.	4843.6
#3	1971.8	3681.3	54917.	4912.8

Sample Name: 180-130293-D-3-B PDS Acquired: 11/24/2021 12:50:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25369**	**5.1516**	**.98198**	**1.2860**	**.98730**	**.50122**
Stddev	.00053	.0450	.02981	.0332	.00164	.00338
%RSD	.21059	.87343	3.0356	2.5786	.16587	.67460
#1	.25308	5.2036	.94789	1.2478	.98891	.50413
#2	.25395	5.1274	.99488	1.3032	.98564	.50201
#3	.25405	5.1240	1.0032	1.3071	.98735	.49751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.060**	**.47880**	**.47159**	**.48294**	**.50115**	**5.2261**
Stddev	.096	.01261	.01322	.00380	.00351	.0368
%RSD	.36887	2.6328	2.8029	.78694	.70138	.70434
#1	26.115	.46426	.45633	.48349	.49855	5.2390
#2	26.116	.48551	.47921	.48643	.49975	5.2547
#3	25.949	.48663	.47924	.47889	.50515	5.1845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.801**	**.50074**	**25.383**	**.47909**	**.45644**	**25.495**
Stddev	.150	.00183	.247	.00214	.01199	.096
%RSD	.60514	.36635	.97448	.44614	2.6265	.37471
#1	24.940	.50062	25.557	.47772	.44262	25.604
#2	24.820	.50263	25.493	.48155	.46260	25.456
#3	24.642	.49897	25.100	.47799	.46409	25.425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-3-B PDS Acquired: 11/24/2021 12:50:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46547**	**.46271**	F **7.7954**	**.95081**	**1.0533**	F **25.768**
Stddev	.01330	.01241	.2197	.02229	.0104	.632
%RSD	2.8577	2.6823	2.8177	2.3443	.98534	2.4539
#1	.45013	.44839	7.5423	.92551	1.0475	25.038
#2	.47382	.46926	7.9072	.95940	1.0653	26.105
#3	.47247	.47047	7.9367	.96753	1.0472	26.160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			1.0000			4.0000
Low Limit			-.01000			-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49638**	**.49892**	**.89025**	**.49101**	**.24941**
Stddev	.00508	.00105	.02731	.00762	.00636
%RSD	1.0232	.20981	3.0679	1.5515	2.5516
#1	.50224	.49781	.85875	.48890	.24208
#2	.49317	.49989	.90727	.49946	.25259
#3	.49374	.49905	.90474	.48467	.25356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2009.9**	**3729.6**	**54823.**	**4833.0**
Stddev	45.4	79.6	166.	53.0
%RSD	2.2593	2.1351	.30246	1.0971
#1	2062.4	3821.5	54847.	4805.8
#2	1982.9	3686.7	54646.	4799.1
#3	1984.5	3680.6	54975.	4894.1

Sample Name: 180-129833-B-2-B Acquired: 11/24/2021 12:55:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.04178**	**.00264**	**.01004**	**.03010**	**.00002**
Stddev	.00007	.02080	.00253	.00063	.00019	.00005
%RSD	37.386	49.776	95.842	6.2406	.63901	235.24
#1	.00028	.05565	.00091	.01066	.02993	.00006
#2	.00014	.05182	.00554	.01007	.03007	-.00004
#3	.00017	.01787	.00146	.00940	.03031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44535**	**.00016**	**.00052**	**.00367**	**.02332**	**3.6806**
Stddev	.00672	.00014	.00008	.00037	.00053	.0221
%RSD	1.5089	89.136	14.656	9.9619	2.2921	.59991
#1	.43769	.00007	.00060	.00364	.02392	3.6608
#2	.45025	.00008	.00045	.00332	.02316	3.7044
#3	.44811	.00032	.00050	.00405	.02289	3.6765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01935**	**.00155**	**-.00282**	**.02817**	**.00365**	**.09128**
Stddev	.02445	.00023	.06981	.00016	.00042	.00333
%RSD	126.33	15.123	2473.5	.56614	11.479	3.6479
#1	.04500	.00153	.04168	.02823	.00405	.08745
#2	-.00368	.00133	-.08327	.02828	.00369	.09340
#3	.01674	.00180	.03313	.02798	.00322	.09300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129833-B-2-B Acquired: 11/24/2021 12:55:14 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01581**	**.00392**	**.06009**	**.00641**	**.37962**	**.11199**
Stddev	.00011	.00100	.00704	.00258	.00697	.01235
%RSD	.72289	25.457	11.708	40.294	1.8348	11.026
#1	.01594	.00471	.06733	.00344	.38122	.12427
#2	.01577	.00425	.05967	.00818	.37199	.11213
#3	.01573	.00280	.05328	.00759	.38564	.09958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.00659**	**-.00059**	**.00112**	**.05743**
Stddev	.00582	.00015	.00127	.00386	.00018
%RSD	97.790	2.2252	215.80	344.39	.32074
#1	-.00076	.00661	.00088	.00508	.05762
#2	.00893	.00644	-.00127	-.00263	.05742
#3	.00968	.00673	-.00137	.00091	.05725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2178.2**	**3802.0**	**57423.**	**4990.6**
Stddev	5.6	3.3	193.	12.6
%RSD	.25505	.08738	.33534	.25252
#1	2172.6	3800.9	57515.	4979.7
#2	2183.7	3805.7	57202.	5004.4
#3	2178.4	3799.4	57552.	4987.8

Sample Name: MB 180-379922/1-A Acquired: 11/24/2021 12:59:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.01022**	**-.00043**	**.00268**	**-.00014**	**.00005**
Stddev	.00015	.01713	.00077	.00023	.00023	.00016
%RSD	4298.8	167.61	180.29	8.6738	168.32	331.50
#1	.00011	.00347	-.00092	.00294	.00005	.00016
#2	.00006	-.02943	-.00083	.00261	-.00039	-.00013
#3	-.00017	-.00470	.00046	.00249	-.00007	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.00011**	**.00009**	**.00022**	**.00075**	**.00230**
Stddev	.00429	.00008	.00019	.00041	.00028	.00269
%RSD	71.411	69.165	198.68	185.85	37.905	116.88
#1	.00726	.00006	.00018	.00004	.00107	.00448
#2	.00954	.00008	.00022	.00070	.00064	-.00071
#3	.00123	.00020	-.00012	-.00007	.00054	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01389**	**.00087**	**-.02895**	**.00007**	**.00103**	**.00031**
Stddev	.02409	.00132	.01497	.00002	.00029	.00290
%RSD	173.44	152.66	51.685	30.292	28.176	929.83
#1	-.04165	.00226	-.03783	.00009	.00080	-.00217
#2	.00140	-.00037	-.01168	.00006	.00135	-.00040
#3	-.00142	.00071	-.03736	.00006	.00092	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379922/1-A Acquired: 11/24/2021 12:59:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00016**	F **.03143**	**-.00163**	**.00092**	**.06462**
Stddev	.00061	.00033	.00063	.00299	.01237	.00146
%RSD	741.81	202.22	2.0128	183.21	1342.9	2.2653
#1	.00006	-.00020	.03185	-.00009	.00818	.06591
#2	-.00051	.00044	.03173	-.00509	-.01336	.06493
#3	.00070	.00025	.03070	.00027	.00794	.06303
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			
Low Limit			-.01000			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00392**	**.00004**	**.00073**	**-.00194**	**-.00014**
Stddev	.00507	.00013	.00056	.00180	.00007
%RSD	129.29	344.62	75.580	92.868	48.084
#1	-.00975	.00004	.00112	-.00052	-.00021
#2	-.00058	.00016	.00010	-.00396	-.00007
#3	-.00143	-.00009	.00098	-.00133	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2142.3**	**3793.8**	**56786.**	**4845.0**
Stddev	.6	7.3	100.	47.6
%RSD	.03026	.19314	.17528	.98277
#1	2141.6	3799.3	56725.	4899.9
#2	2142.6	3785.5	56900.	4815.4
#3	2142.7	3796.6	56732.	4819.6

Sample Name: LCS 180-379922/2-A Acquired: 11/24/2021 13:04:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24784**	**4.8053**	**1.0224**	**1.3225**	**.98956**	**.50528**
Stddev	.00154	.0305	.0027	.0040	.00257	.00216
%RSD	.62157	.63468	.26744	.30231	.25932	.42775
#1	.24799	4.7805	1.0228	1.3209	.98799	.50307
#2	.24930	4.7961	1.0195	1.3271	.99252	.50739
#3	.24623	4.8394	1.0249	1.3196	.98817	.50537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.305**	**.50332**	**.48776**	**.48093**	**.49639**	**4.7753**
Stddev	.069	.00082	.00154	.00213	.00284	.0063
%RSD	.28513	.16273	.31553	.44238	.57228	.13229
#1	24.292	.50389	.48950	.48317	.49584	4.7692
#2	24.380	.50369	.48721	.47894	.49946	4.7750
#3	24.244	.50238	.48658	.48067	.49386	4.7818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.155**	**.50142**	**23.597**	**.48651**	**.46695**	**23.780**
Stddev	.100	.00213	.098	.00174	.00198	.076
%RSD	.42991	.42470	.41393	.35757	.42462	.32004
#1	23.053	.50246	23.499	.48640	.46502	23.748
#2	23.252	.50283	23.695	.48829	.46898	23.867
#3	23.160	.49897	23.598	.48482	.46683	23.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379922/2-A Acquired: 11/24/2021 13:04:33 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49101**	**.49256**	**.26379**	**1.0331**	**1.0271**	**.96479**
Stddev	.00049	.00031	.00189	.0024	.0124	.00330
%RSD	.10044	.06198	.71499	.23181	1.2086	.34155
#1	.49157	.49245	.26375	1.0347	1.0273	.96855
#2	.49082	.49232	.26570	1.0342	1.0146	.96344
#3	.49063	.49290	.26193	1.0304	1.0395	.96239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49872**	**.49914**	**.95697**	**.48485**	**.24272**
Stddev	.01422	.00103	.00290	.00790	.00076
%RSD	2.8506	.20620	.30263	1.6284	.31461
#1	.50614	.49832	.95778	.47704	.24352
#2	.50770	.49879	.95938	.48468	.24263
#3	.48233	.50029	.95376	.49283	.24200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1969.4**	**3689.7**	**54872.**	**4838.3**
Stddev	4.7	5.0	269.	22.1
%RSD	.24007	.13590	.49026	.45580
#1	1963.9	3684.2	54978.	4837.6
#2	1972.1	3691.2	54566.	4816.6
#3	1972.2	3693.9	55072.	4860.7

Sample Name: 180-129900-A-1-A Acquired: 11/24/2021 13:08:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00791**	**.00561**	**.08494**	**.51894**	**-.00001**
Stddev	.00040	.01643	.00053	.00028	.00249	.00008
%RSD	103.04	207.79	9.3564	.32492	.47992	588.29
#1	.00065	-.00367	.00600	.08497	.51635	.00008
#2	.00057	.00068	.00502	.08465	.51917	-.00007
#3	-.00007	.02672	.00582	.08520	.52131	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**155.76**	**.00014**	**.00088**	**.00030**	**.00033**	**.56760**
Stddev	.40	.00006	.00011	.00039	.00043	.00202
%RSD	.25772	39.990	12.827	126.97	132.96	.35568
#1	155.76	.00008	.00100	.00006	-.00002	.56938
#2	155.36	.00020	.00077	.00075	.00019	.56541
#3	156.16	.00015	.00088	.00010	.00081	.56802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4596**	**.02180**	**47.218**	**.09473**	**.00378**	**185.70**
Stddev	.0304	.00062	.232	.00006	.00039	.79
%RSD	.68137	2.8268	.49205	.05951	10.329	.42593
#1	4.4327	.02231	47.062	.09477	.00416	185.32
#2	4.4535	.02112	47.107	.09477	.00381	185.17
#3	4.4926	.02197	47.485	.09467	.00338	186.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-A Acquired: 11/24/2021 13:08:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00138**	**.01855**	**.00315**	**5.9984**	**.03066**
Stddev	.00009	.00107	.00198	.00281	.0477	.00093
%RSD	6.4043	77.796	10.679	89.273	.79455	3.0319
#1	.00131	.00014	.01630	.00607	5.9693	.03108
#2	.00142	.00195	.02002	.00291	5.9724	.02959
#3	.00125	.00204	.01932	.00047	6.0534	.03130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48401**	**.00013**	**.00045**	**.00184**	**.00141**
Stddev	.00724	.00007	.00020	.00370	.00023
%RSD	1.4963	57.851	44.528	201.57	16.393
#1	.49138	.00006	.00032	.00608	.00137
#2	.47690	.00021	.00068	-.00069	.00165
#3	.48376	.00011	.00034	.00012	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1793.0**	**3451.1**	**51277.**	**4690.3**
Stddev	.3	1.4	68.	37.9
%RSD	.01701	.04125	.13280	.80741
#1	1792.7	3452.6	51207.	4653.5
#2	1793.0	3450.9	51283.	4729.2
#3	1793.3	3449.7	51343.	4688.1

Sample Name: 180-129900-A-1A SD@5 Acquired: 11/24/2021 13:13:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00113**	**.00176**	**.01807**	**.10547**	**-.00002**
Stddev	.00015	.02582	.00179	.00073	.00511	.00002
%RSD	1664.4	2284.3	101.67	4.0611	4.8427	140.88
#1	.00003	.02898	.00007	.01842	.10302	-.00000
#2	.00012	-.00358	.00158	.01857	.11134	-.00000
#3	-.00018	-.02200	.00363	.01723	.10205	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.229**	**.00008**	**.00022**	**.00002**	**.00065**	**.11639**
Stddev	1.635	.00007	.00045	.00011	.00033	.00542
%RSD	5.0724	85.330	201.90	437.21	50.013	4.6562
#1	31.479	.00015	-.00029	-.00006	.00074	.11723
#2	34.104	.00007	.00050	-.00001	.00093	.12134
#3	31.103	.00001	.00045	.00015	.00029	.11060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87604**	**.00530**	**9.7031**	**.01933**	**.00132**	**36.957**
Stddev	.07638	.00191	.5428	.00011	.00025	1.861
%RSD	8.7184	36.002	5.5939	.58285	18.875	5.0365
#1	.80272	.00404	9.4457	.01946	.00152	35.953
#2	.95514	.00436	10.327	.01931	.00104	39.105
#3	.87026	.00749	9.3370	.01924	.00138	35.813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1A SD@5 Acquired: 11/24/2021 13:13:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00051**	**.01839**	**-.00294**	**1.2069**	**.03242**
Stddev	.00035	.00015	.00079	.00066	.0626	.00051
%RSD	167.96	29.417	4.3042	22.337	5.1838	1.5768
#1	.00026	-.00058	.01929	-.00278	1.1886	.03192
#2	.00054	-.00034	.01806	-.00366	1.2766	.03294
#3	-.00017	-.00062	.01781	-.00238	1.1556	.03238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.09846**	**.00011**	**.00135**	**-.00031**	**.00161**
Stddev	.00532	.00024	.00129	.00253	.00009
%RSD	5.4076	221.33	95.574	803.16	5.5996
#1	.09257	-.00015	.00189	.00256	.00157
#2	.09987	.00014	.00227	-.00130	.00155
#3	.10293	.00034	-.00012	-.00220	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1993.1**	**3631.6**	**53643.**	**4668.6**
Stddev	3.2	6.4	324.	216.2
%RSD	.16152	.17636	.60370	4.6313
#1	1993.1	3630.6	53453.	4802.7
#2	1989.9	3625.8	53459.	4419.2
#3	1996.3	3638.5	54017.	4784.0

Sample Name: 180-129900-A-1-B MS Acquired: 11/24/2021 13:18:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26329**	**5.0326**	**1.0930**	**1.4841**	**1.5619**	**.51647**
Stddev	.00188	.0266	.0035	.0055	.0045	.00210
%RSD	.71271	.52840	.31826	.36984	.28966	.40653
#1	.26489	5.0049	1.0933	1.4824	1.5641	.51718
#2	.26122	5.0349	1.0894	1.4797	1.5650	.51811
#3	.26375	5.0580	1.0964	1.4902	1.5567	.51410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**186.50**	**.53115**	**.51504**	**.48727**	**.52202**	**5.4779**
Stddev	1.00	.00091	.00044	.00703	.00563	.0246
%RSD	.53596	.17137	.08558	1.4422	1.0783	.44966
#1	187.21	.53015	.51555	.49086	.52621	5.5062
#2	186.94	.53137	.51473	.47917	.51562	5.4621
#3	185.36	.53193	.51484	.49177	.52424	5.4653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.831**	**.55888**	**73.810**	**.58790**	**.48326**	**218.08**
Stddev	.097	.00082	.468	.00548	.00290	1.09
%RSD	.32411	.14652	.63400	.93208	.59957	.50015
#1	29.907	.55982	74.099	.59164	.48027	218.49
#2	29.864	.55843	74.061	.58161	.48345	218.91
#3	29.722	.55839	73.270	.59045	.48606	216.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-B MS Acquired: 11/24/2021 13:18:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51211**	**.51750**	**.26842**	**1.0949**	**7.3647**	**.95934**
Stddev	.00109	.00065	.00341	.0084	.0269	.00287
%RSD	.21268	.12548	1.2706	.76619	.36467	.29935
#1	.51274	.51709	.26464	1.0866	7.3826	.96103
#2	.51086	.51717	.26935	1.0947	7.3777	.95602
#3	.51274	.51825	.27127	1.1034	7.3339	.96096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0060**	**.51449**	**.95496**	**.50488**	**.24542**
Stddev	.0104	.00524	.00313	.00442	.00071
%RSD	1.0370	1.0182	.32732	.87641	.28958
#1	.99847	.51876	.95335	.50884	.24481
#2	1.0179	.50865	.95297	.50011	.24526
#3	1.0017	.51607	.95856	.50569	.24620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1736.5**	**3418.0**	**51073.**	**4686.7**
Stddev	1.7	9.9	397.	48.1
%RSD	.09946	.29092	.77677	1.0271
#1	1735.5	3425.0	50758.	4650.4
#2	1738.4	3422.3	51518.	4668.5
#3	1735.4	3406.6	50941.	4741.3

Sample Name: 180-129900-A-1-C MSD Acquired: 11/24/2021 13:22:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25870**	**4.9924**	**1.0753**	**1.4853**	**1.5422**	**.51054**
Stddev	.00029	.0418	.0056	.0043	.0039	.00050
%RSD	.11174	.83652	.52555	.29039	.25474	.09794
#1	.25893	4.9448	1.0700	1.4813	1.5379	.51102
#2	.25879	5.0094	1.0812	1.4899	1.5455	.51057
#3	.25837	5.0230	1.0747	1.4847	1.5431	.51002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**182.95**	**.52161**	**.50434**	**.48035**	**.51364**	**5.4372**
Stddev	.62	.00062	.00160	.00100	.00248	.0150
%RSD	.33890	.11794	.31727	.20779	.48301	.27514
#1	182.68	.52098	.50385	.48149	.51088	5.4200
#2	183.66	.52221	.50613	.47993	.51570	5.4467
#3	182.50	.52163	.50304	.47963	.51433	5.4450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.504**	**.55650**	**72.446**	**.57915**	**.47765**	**214.10**
Stddev	.079	.00224	.250	.00095	.00103	.48
%RSD	.26787	.40166	.34474	.16480	.21584	.22558
#1	29.416	.55417	72.311	.58005	.47669	213.55
#2	29.567	.55863	72.734	.57815	.47874	214.47
#3	29.529	.55670	72.293	.57926	.47752	214.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-C MSD Acquired: 11/24/2021 13:22:28 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50429**	**.50591**	**.25850**	**1.0874**	**7.2096**	**.94035**
Stddev	.00183	.00291	.00269	.0047	.0389	.00372
%RSD	.36252	.57528	1.0398	.43651	.53914	.39575
#1	.50256	.50320	.25565	1.0821	7.1787	.93824
#2	.50620	.50899	.26100	1.0911	7.2532	.94465
#3	.50413	.50554	.25884	1.0891	7.1967	.93817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97686**	**.50675**	**.93954**	**.49834**	**.24181**
Stddev	.00864	.00070	.00239	.00336	.00082
%RSD	.88465	.13884	.25412	.67430	.34016
#1	.97170	.50720	.93859	.50186	.24185
#2	.98684	.50594	.94226	.49800	.24262
#3	.97205	.50711	.93779	.49516	.24098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1732.7**	**3414.4**	**50968.**	**4682.8**
Stddev	3.3	3.3	55.	29.7
%RSD	.18840	.09685	.10774	.63432
#1	1734.0	3416.0	50956.	4701.2
#2	1729.0	3410.6	50921.	4648.5
#3	1735.1	3416.7	51028.	4698.7

Sample Name: CCV 4546440 Acquired: 11/24/2021 13:26:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0007**	**24.386**	**.50417**	**2.0413**	**1.9960**	**2.0086**
Stddev	.0013	.106	.00393	.0017	.0056	.0085
%RSD	.12736	.43659	.77864	.08375	.28197	.42238
#1	.99935	24.303	.50177	2.0428	1.9926	2.0013
#2	1.0010	24.506	.50204	2.0395	2.0025	2.0179
#3	1.0019	24.349	.50870	2.0417	1.9930	2.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.526**	**.50389**	**2.0036**	**1.9206**	**1.9806**	**24.276**
Stddev	.076	.00019	.0021	.0067	.0061	.058
%RSD	.15248	.03778	.10630	.34979	.30721	.24011
#1	49.440	.50407	2.0050	1.9193	1.9736	24.242
#2	49.581	.50369	2.0047	1.9147	1.9847	24.343
#3	49.558	.50390	2.0012	1.9279	1.9835	24.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.42**	**2.0299**	**48.124**	**1.9328**	**1.9074**	**120.75**
Stddev	.69	.0021	.220	.0046	.0009	.90
%RSD	.58083	.10552	.45746	.23629	.04605	.74129
#1	118.04	2.0300	47.917	1.9289	1.9083	120.23
#2	119.21	2.0277	48.355	1.9318	1.9073	121.79
#3	118.01	2.0320	48.100	1.9378	1.9066	120.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 13:26:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0277**	**.51244**	**.51230**	**.51346**	**1.9794**	**1.8605**
Stddev	.0024	.00204	.00342	.00486	.0226	.0021
%RSD	.12101	.39739	.66779	.94680	1.1430	.11276
#1	2.0305	.51413	.51297	.50972	1.9692	1.8629
#2	2.0268	.51018	.50859	.51170	2.0054	1.8598
#3	2.0259	.51301	.51533	.51895	1.9638	1.8588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9763**	**1.9802**	**.94826**	**1.9746**	**1.9332**
Stddev	.0082	.0030	.00485	.0082	.0009
%RSD	.41523	.15345	.51165	.41528	.04791
#1	1.9684	1.9769	.95237	1.9786	1.9342
#2	1.9848	1.9811	.94291	1.9652	1.9323
#3	1.9756	1.9828	.94949	1.9801	1.9332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1790.0**	**3538.2**	**52105.**	**4692.3**
Stddev	3.0	5.7	210.	11.7
%RSD	.16968	.16158	.40327	.24931
#1	1787.1	3531.6	52327.	4702.6
#2	1789.7	3541.1	52077.	4679.6
#3	1793.2	3541.8	51910.	4694.8

Sample Name: CCB9 Acquired: 11/24/2021 13:31:12 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00059**	**-.00004**	**.00375**	**-.00005**	**.00015**
Stddev	.00018	.02447	.00054	.00053	.00021	.00006
%RSD	103.16	4119.9	1285.8	14.103	455.80	38.859
#1	.00000	-.02082	-.00045	.00341	.00020	.00012
#2	.00015	.02726	.00057	.00435	-.00014	.00021
#3	.00035	-.00466	-.00024	.00348	-.00020	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.00006**	**-.00001**	**.00026**	**.00043**	**-.00194**
Stddev	.00293	.00008	.00045	.00043	.00035	.00246
%RSD	69.653	135.22	3617.9	163.74	81.611	126.68
#1	.00732	.00003	.00035	.00044	.00010	.00006
#2	.00377	-.00000	.00012	.00057	.00080	-.00469
#3	.00151	.00014	-.00051	-.00023	.00039	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06886**	**.00277**	**-.02767**	**.00004**	**.00796**	**.06025**
Stddev	.02916	.00213	.02157	.00003	.00107	.00724
%RSD	42.351	76.874	77.954	77.092	13.446	12.009
#1	.05225	.00372	-.01641	.00000	.00900	.05453
#2	.05180	.00426	-.05253	.00005	.00802	.06838
#3	.10253	.00033	-.01406	.00005	.00686	.05784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB9 Acquired: 11/24/2021 13:31:12 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00079**	**.00854**	**.00085**	**.00346**	**.01763**
Stddev	.00018	.00027	.00154	.00102	.01098	.00013
%RSD	118.33	34.611	18.024	119.28	317.48	.76335
#1	.00008	.00109	.01026	.00032	.01613	.01748
#2	.00002	.00056	.00806	.00203	-.00311	.01767
#3	.00035	.00072	.00730	.00021	-.00265	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**.00028**	**.00065**	**.00162**	**.00001**
Stddev	.00455	.00006	.00015	.00326	.00026
%RSD	297.72	22.158	23.979	200.58	2202.0
#1	-.00047	.00021	.00053	.00478	.00031
#2	-.00652	.00029	.00058	.00182	-.00017
#3	.00240	.00033	.00082	-.00173	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2122.1**	**3744.2**	**55768.**	**4784.0**
Stddev	1.8	1.5	144.	39.4
%RSD	.08574	.04041	.25883	.82367
#1	2124.0	3744.8	55677.	4821.1
#2	2120.3	3742.5	55694.	4788.2
#3	2122.1	3745.3	55935.	4742.7

Sample Name: 180-129900-A-1-A PDS Acquired: 11/24/2021 13:35:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27597**	**5.0462**	**1.0886**	**1.5421**	**1.5294**	**.51542**
Stddev	.00112	.0145	.0021	.0009	.0040	.00022
%RSD	.40725	.28772	.19334	.05629	.25831	.04298
#1	.27494	5.0443	1.0866	1.5412	1.5253	.51558
#2	.27717	5.0616	1.0883	1.5422	1.5297	.51552
#3	.27580	5.0328	1.0908	1.5429	1.5332	.51517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.98**	**.52876**	**.51288**	**.48740**	**.52068**	**5.4625**
Stddev	.33	.00124	.00135	.00096	.00379	.0144
%RSD	.18547	.23494	.26280	.19754	.72828	.26377
#1	175.75	.52880	.51391	.48641	.51672	5.4739
#2	175.84	.52997	.51338	.48833	.52428	5.4673
#3	176.36	.52749	.51136	.48747	.52103	5.4463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.540**	**.55711**	**70.494**	**.58355**	**.48741**	**205.67**
Stddev	.053	.00347	.049	.00153	.00120	.26
%RSD	.18090	.62300	.06981	.26245	.24526	.12608
#1	29.497	.55385	70.549	.58180	.48759	205.95
#2	29.600	.55672	70.477	.58465	.48851	205.61
#3	29.524	.56076	70.456	.58419	.48614	205.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-129900-A-1-A PDS Acquired: 11/24/2021 13:35:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51180**	**.51702**	**.27393**	**1.0841**	**6.9620**	**.95237**
Stddev	.00075	.00174	.00279	.0044	.0125	.00472
%RSD	.14697	.33661	1.0185	.40289	.17915	.49517
#1	.51258	.51901	.27511	1.0858	6.9763	.95777
#2	.51173	.51584	.27594	1.0874	6.9556	.94906
#3	.51108	.51619	.27074	1.0791	6.9540	.95027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97596**	**.51618**	**.94946**	**.50290**	**.25760**
Stddev	.00275	.00029	.00190	.00510	.00097
%RSD	.28210	.05532	.19997	1.0139	.37709
#1	.97619	.51605	.95103	.49806	.25862
#2	.97310	.51650	.94735	.50822	.25748
#3	.97860	.51598	.95001	.50241	.25669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1750.1**	**3434.9**	**51454.**	**4737.0**
Stddev	3.3	5.7	137.	20.7
%RSD	.19139	.16598	.26625	.43638
#1	1747.3	3433.3	51611.	4714.8
#2	1749.2	3430.1	51364.	4755.7
#3	1753.8	3441.2	51386.	4740.4

Sample Name: 180-130074-A-10-A Acquired: 11/24/2021 13:40:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00755**	**.56801**	**.03143**	**.07610**	**.00002**
Stddev	.00046	.01446	.00117	.00033	.00032	.00008
%RSD	520.82	191.60	.20633	1.0520	.42322	394.98
#1	.00003	.00142	.56889	.03181	.07614	-.00007
#2	.00030	-.02423	.56847	.03118	.07640	.00006
#3	-.00060	.00017	.56668	.03132	.07576	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7574**	**.00039**	**.00155**	**.00520**	**.00048**	**2.9520**
Stddev	.0130	.00009	.00017	.00052	.00069	.0211
%RSD	.47028	23.265	11.038	10.036	142.83	.71575
#1	2.7719	.00038	.00166	.00462	.00115	2.9764
#2	2.7531	.00030	.00164	.00563	.00052	2.9387
#3	2.7470	.00048	.00135	.00535	-.00023	2.9410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6895**	**.00226**	**1.2322**	**.13589**	**.00413**	**17.887**
Stddev	.0568	.00061	.0061	.00048	.00064	.132
%RSD	2.1112	27.154	.49641	.35248	15.586	.73659
#1	2.7548	.00279	1.2280	.13633	.00486	18.038
#2	2.6516	.00159	1.2392	.13538	.00389	17.820
#3	2.6620	.00239	1.2294	.13596	.00364	17.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-10-A Acquired: 11/24/2021 13:40:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00078**	**.00761**	**.00179**	**5.2601**	**.01141**
Stddev	.00035	.00072	.00011	.00141	.0356	.00023
%RSD	4655.2	91.417	1.5081	78.869	.67620	2.0362
#1	.00013	.00145	.00774	.00322	5.2807	.01162
#2	.00028	.00089	.00753	.00040	5.2805	.01145
#3	-.00039	.00002	.00756	.00175	5.2190	.01116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02309**	**.00061**	**.00168**	**.00576**	**.00229**
Stddev	.00224	.00009	.00107	.00176	.00002
%RSD	9.7153	15.590	63.389	30.502	1.0230
#1	.02428	.00066	.00245	.00455	.00232
#2	.02450	.00050	.00046	.00778	.00230
#3	.02051	.00067	.00214	.00496	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2084.1**	**3706.1**	**55392.**	**4869.0**
Stddev	4.6	9.4	87.	13.9
%RSD	.22008	.25302	.15796	.28512
#1	2082.2	3706.1	55320.	4861.6
#2	2080.9	3696.7	55489.	4860.3
#3	2089.4	3715.4	55365.	4885.0

Sample Name: 180-130074-A-11-A Acquired: 11/24/2021 13:44:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00863**	**.00251**	**.03024**	**.17147**	**.00012**
Stddev	.00019	.02475	.00118	.00018	.00116	.00014
%RSD	87.695	286.92	46.889	.61102	.67690	117.27
#1	-.00018	-.03087	.00374	.03028	.17184	.00014
#2	-.00043	.01804	.00139	.03040	.17240	-.00003
#3	-.00005	-.01305	.00240	.03004	.17017	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6821**	**.00006**	**.02038**	**.00024**	**.00053**	**1.7588**
Stddev	.0199	.00016	.00018	.00038	.00026	.0109
%RSD	.54036	253.46	.88573	160.33	48.044	.62064
#1	3.6977	-.00007	.02058	.00016	.00069	1.7709
#2	3.6890	.00024	.02023	-.00010	.00024	1.7558
#3	3.6597	.00002	.02033	.00065	.00067	1.7497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7187**	**.00192**	**5.2076**	**.54309**	**.00164**	**13.103**
Stddev	.0258	.00073	.0395	.00387	.00012	.053
%RSD	.95050	38.159	.75840	.71191	7.3407	.40731
#1	2.7286	.00229	5.1724	.53899	.00169	13.094
#2	2.7382	.00240	5.2503	.54667	.00172	13.160
#3	2.6894	.00108	5.2000	.54361	.00150	13.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130074-A-11-A Acquired: 11/24/2021 13:44:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00053**	**.00874**	**-.00196**	**4.9320**	**.00927**
Stddev	.00052	.00174	.00128	.00326	.0363	.00078
%RSD	68.582	327.91	14.679	166.13	.73600	8.3867
#1	.00016	-.00092	.00797	-.00136	4.9395	.01015
#2	.00105	.00246	.01022	.00095	4.9639	.00895
#3	.00109	.00005	.00803	-.00548	4.8925	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05710**	**.00015**	**.00140**	**.00346**	**.00480**
Stddev	.00366	.00009	.00132	.00348	.00009
%RSD	6.4166	60.700	94.471	100.63	1.8685
#1	.05861	.00020	.00190	.00558	.00491
#2	.05292	.00005	-.00010	.00536	.00475
#3	.05977	.00021	.00239	-.00056	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2076.5**	**3703.2**	**55464.**	**4864.3**
Stddev	8.0	10.6	483.	16.2
%RSD	.38685	.28562	.87057	.33299
#1	2067.3	3693.4	55985.	4846.8
#2	2081.7	3714.4	55031.	4867.5
#3	2080.6	3701.8	55377.	4878.7

Sample Name: 180-130075-A-1-A Acquired: 11/24/2021 13:49:29 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.06505**	**.03745**	**.08355**	**.10030**	**-.00001**
Stddev	.00040	.02028	.00324	.00047	.00041	.00013
%RSD	2341.0	31.172	8.6441	.56245	.41259	1945.2
#1	.00029	.05793	.03438	.08401	.10002	-.00015
#2	-.00047	.04930	.04083	.08357	.10078	.00011
#3	.00012	.08793	.03714	.08307	.10011	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.353**	**.00016**	**.00058**	**.00144**	**.00295**	**10.423**
Stddev	.090	.00006	.00026	.00019	.00029	.041
%RSD	.16472	37.152	44.363	12.939	9.8223	.39740
#1	54.442	.00013	.00062	.00135	.00262	10.464
#2	54.263	.00013	.00031	.00166	.00304	10.424
#3	54.353	.00023	.00082	.00132	.00318	10.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.508**	**.00265**	**17.031**	**.19918**	**.00324**	**11.862**
Stddev	.115	.00090	.063	.00174	.00024	.075
%RSD	.74208	33.891	.36701	.87371	7.4161	.62915
#1	15.631	.00351	17.047	.19865	.00348	11.862
#2	15.492	.00271	16.962	.20112	.00300	11.937
#3	15.402	.00172	17.084	.19776	.00325	11.788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130075-A-1-A Acquired: 11/24/2021 13:49:29 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00093**	**.00854**	**-.00329**	**8.6224**	**.01113**
Stddev	.00013	.00032	.00187	.00172	.0481	.00056
%RSD	12.496	33.999	21.854	52.183	.55825	5.0271
#1	.00100	.00130	.00652	-.00194	8.6652	.01177
#2	.00098	.00072	.00890	-.00523	8.6316	.01086
#3	.00122	.00078	.01020	-.00271	8.5703	.01076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16267**	**.00105**	**.00164**	**.00597**	**.00226**
Stddev	.01279	.00012	.00054	.00206	.00014
%RSD	7.8604	11.798	32.590	34.482	6.3328
#1	.17132	.00118	.00210	.00742	.00217
#2	.14799	.00093	.00106	.00689	.00219
#3	.16872	.00104	.00177	.00361	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1958.1**	**3602.2**	**54112.**	**4788.6**
Stddev	3.9	9.6	387.	8.6
%RSD	.20095	.26694	.71443	.17934
#1	1953.6	3591.1	54375.	4789.8
#2	1960.9	3607.7	53669.	4796.5
#3	1959.8	3607.8	54293.	4779.5

Sample Name: 180-130075-B-1-A Acquired: 11/24/2021 13:54:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.01035**	**.02761**	**.09203**	**.10502**	**.00009**
Stddev	.00015	.01557	.00122	.00056	.00052	.00005
%RSD	1895.1	150.36	4.4322	.60437	.49065	60.830
#1	-.00006	.02079	.02756	.09267	.10443	.00009
#2	-.00012	.01781	.02641	.09171	.10521	.00014
#3	.00016	-.00754	.02885	.09171	.10540	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.321**	**.00010**	**.00034**	**.00053**	**.00613**	**5.7902**
Stddev	.066	.00007	.00014	.00057	.00024	.0352
%RSD	.10645	66.432	40.768	107.84	3.9794	.60848
#1	62.279	.00018	.00049	.00036	.00635	5.7667
#2	62.287	.00006	.00032	.00116	.00619	5.7732
#3	62.398	.00007	.00021	.00006	.00587	5.8307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.536**	**.00187**	**19.203**	**.18341**	**.00351**	**11.336**
Stddev	.086	.00036	.072	.00052	.00038	.032
%RSD	.55324	19.373	.37384	.28218	10.921	.28180
#1	15.487	.00213	19.284	.18284	.00394	11.323
#2	15.486	.00146	19.176	.18355	.00339	11.313
#3	15.635	.00201	19.148	.18384	.00320	11.372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130075-B-1-A Acquired: 11/24/2021 13:54:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00072**	**.00740**	**-.00317**	**8.5747**	**.00827**
Stddev	.00023	.00217	.00160	.00015	.0131	.00105
%RSD	16.693	300.53	21.648	4.7291	.15326	12.656
#1	.00149	-.00148	.00817	-.00300	8.5622	.00870
#2	.00111	.00286	.00556	-.00329	8.5736	.00708
#3	.00151	.00079	.00848	-.00323	8.5884	.00903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17059**	**-.00000**	**.00232**	**.00501**	**.00332**
Stddev	.00939	.00003	.00098	.00251	.00010
%RSD	5.5074	4155.3	42.008	50.118	3.0814
#1	.15981	.00003	.00133	.00685	.00332
#2	.17707	-.00001	.00328	.00602	.00321
#3	.17488	-.00002	.00236	.00215	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1957.6**	**3611.9**	**54356.**	**4840.2**
Stddev	3.8	3.3	148.	16.9
%RSD	.19403	.09005	.27305	.34984
#1	1955.2	3615.6	54518.	4852.2
#2	1962.0	3610.2	54227.	4847.6
#3	1955.6	3609.8	54322.	4820.8

Sample Name: 180-130223-D-1-A Acquired: 11/24/2021 13:58:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.01604**	**.00036**	**.00711**	**.00376**	**.00004**
Stddev	.00016	.02510	.00023	.00050	.00016	.00006
%RSD	131.86	156.48	63.407	7.0437	4.1622	144.92
#1	.00017	.00101	.00017	.00718	.00365	-.00003
#2	-.00006	.00209	.00030	.00658	.00369	.00008
#3	.00025	.04501	.00061	.00758	.00394	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3342**	**.00015**	**.00019**	**.00022**	**.00220**	**.02324**
Stddev	.0200	.00009	.00006	.00053	.00074	.00286
%RSD	.85670	60.940	30.756	244.46	33.437	12.321
#1	2.3117	.00006	.00025	.00054	.00277	.02409
#2	2.3498	.00024	.00014	-.00039	.00137	.02558
#3	2.3412	.00015	.00018	.00050	.00246	.02005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03215**	**-.00047**	**.16520**	**.00904**	**.00077**	**.26696**
Stddev	.02861	.00085	.03505	.00004	.00033	.00308
%RSD	88.989	182.35	21.217	.43734	42.617	1.1533
#1	.01967	.00015	.13850	.00907	.00114	.26828
#2	.01190	-.00012	.20489	.00900	.00053	.26916
#3	.06487	-.00144	.15221	.00907	.00063	.26344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130223-D-1-A Acquired: 11/24/2021 13:58:46 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00066**	**.00840**	**-.00255**	**.22428**	**.00806**
Stddev	.00040	.00177	.00097	.00316	.00982	.00072
%RSD	311.62	267.01	11.597	123.73	4.3780	8.9355
#1	.00054	.00252	.00892	.00014	.22918	.00880
#2	.00008	-.00101	.00900	-.00177	.21297	.00736
#3	-.00024	.00048	.00728	-.00603	.23068	.00802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00034**	**.00054**	**.00518**	**.05019**
Stddev	.00434	.00010	.00194	.00485	.00026
%RSD	576.14	28.942	363.13	93.554	.52348
#1	-.00076	.00026	-.00112	.00968	.05025
#2	.00359	.00045	.00268	.00004	.04991
#3	-.00509	.00031	.00004	.00583	.05042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2121.9**	**3730.2**	**56143.**	**4826.7**
Stddev	5.9	14.9	279.	24.4
%RSD	.27838	.39929	.49609	.50639
#1	2115.4	3715.2	55829.	4852.6
#2	2126.9	3745.0	56241.	4823.6
#3	2123.6	3730.3	56360.	4804.0

Sample Name: 180-130331-E-1-A Acquired: 11/24/2021 14:03:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.02408**	**.00160**	**.20032**	**.03984**	**-.00000**
Stddev	.00023	.01700	.00248	.00060	.00036	.00009
%RSD	180.92	70.590	155.12	.30115	.91129	50405.
#1	-.00008	.02207	.00410	.20092	.03982	-.00008
#2	.00010	.00817	.00153	.19971	.04021	-.00002
#3	.00037	.04198	-.00085	.20034	.03948	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.811**	**.00011**	**.00079**	**-.00006**	**.00026**	**.15428**
Stddev	.169	.00012	.00001	.00073	.00047	.00302
%RSD	.37738	112.24	1.4462	1241.9	178.94	1.9548
#1	45.003	-.00002	.00080	-.00025	.00005	.15087
#2	44.746	.00013	.00079	-.00068	-.00007	.15539
#3	44.683	.00022	.00078	.00075	.00080	.15658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5659**	**.02241**	**13.975**	**.12511**	**.00117**	**233.83**
Stddev	.0231	.00086	.045	.00043	.00005	1.01
%RSD	.50484	3.8199	.32516	.34135	4.0403	.42994
#1	4.5909	.02280	13.991	.12529	.00123	234.94
#2	4.5455	.02143	14.011	.12463	.00114	232.98
#3	4.5613	.02301	13.924	.12542	.00115	233.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130331-E-1-A Acquired: 11/24/2021 14:03:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00047**	**.00549**	**-.00422**	**4.2511**	**.00703**
Stddev	.00030	.00064	.00109	.00214	.0409	.00028
%RSD	23.690	137.65	19.792	50.732	.96237	3.9223
#1	.00098	-.00027	.00453	-.00232	4.2764	.00725
#2	.00158	.00090	.00667	-.00654	4.2731	.00672
#3	.00127	.00077	.00528	-.00380	4.2039	.00713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.83542**	**.00023**	**.00200**	**.00315**	**.00330**
Stddev	.00422	.00017	.00080	.00155	.00007
%RSD	.50489	73.994	39.774	49.272	2.2511
#1	.83160	.00003	.00181	.00468	.00322
#2	.83472	.00033	.00287	.00158	.00331
#3	.83995	.00032	.00132	.00319	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1838.9**	**3502.9**	**51970.**	**4749.8**
Stddev	5.2	6.6	128.	27.3
%RSD	.28314	.18708	.24673	.57547
#1	1843.2	3510.4	51964.	4732.5
#2	1840.4	3498.4	52101.	4735.7
#3	1833.1	3499.8	51845.	4781.3

Sample Name: 180-130314-A-2-B Acquired: 11/24/2021 14:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00759**	**.12091**	F **37.236**	**-.00011**	**-.00002**
Stddev	.00025	.01196	.00235	.046	.00017	.00008
%RSD	1293.0	157.64	1.9446	.12470	150.29	386.35
#1	.00026	-.00230	.12224	37.289	-.00022	.00004
#2	-.00016	-.02128	.12231	37.219	-.00019	.00001
#3	-.00017	.00082	.11820	37.200	.00008	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07480**	**.00016**	**.00151**	**.00134**	**.01525**	**.02429**
Stddev	.00106	.00007	.00007	.00017	.00085	.00155
%RSD	1.4178	41.355	4.4113	12.744	5.6026	6.3744
#1	.07554	.00009	.00148	.00149	.01590	.02606
#2	.07528	.00018	.00158	.00116	.01428	.02317
#3	.07359	.00022	.00146	.00136	.01558	.02365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.447**	**.00926**	**.09396**	**.00299**	**.44943**	**235.72**
Stddev	.031	.00121	.01056	.00008	.00124	2.48
%RSD	.24801	13.046	11.238	2.8229	.27486	1.0538
#1	12.455	.00788	.09673	.00298	.45049	237.71
#2	12.412	.00976	.10286	.00307	.44972	236.51
#3	12.472	.01014	.08230	.00291	.44807	232.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130314-A-2-B Acquired: 11/24/2021 14:08:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.09647**	**.00608**	**.19582**	**3.8727**	**.04068**
Stddev	.00029	.00245	.00068	.00154	.0085	.00053
%RSD	53.496	2.5401	11.191	.78402	.21965	1.2944
#1	-.00085	.09788	.00686	.19748	3.8687	.04061
#2	-.00053	.09789	.00558	.19446	3.8669	.04124
#3	-.00026	.09364	.00580	.19551	3.8824	.04019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00009**	F **-.09213**	**.00307**	**.02121**
Stddev	.00839	.00006	.00179	.00291	.00017
%RSD	6821.9	69.382	1.9392	94.774	.80315
#1	-.00534	-.00014	-.09392	.00331	.02118
#2	-.00458	-.00011	-.09035	.00005	.02139
#3	.00956	-.00002	-.09211	.00584	.02105
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			5.0000		
Low Limit			-.02000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2002.5**	**3352.5**	**51646.**	**4979.0**
Stddev	3.6	4.3	114.	21.1
%RSD	.17796	.12831	.22040	.42423
#1	2005.6	3353.9	51524.	4959.1
#2	1998.6	3347.7	51749.	4976.8
#3	2003.3	3356.0	51665.	5001.1

Sample Name: CCV 4546440 Acquired: 11/24/2021 14:13:01 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99809**	**24.251**	**.50255**	**2.0800**	**1.9900**	**2.0053**
Stddev	.00405	.031	.00408	.0143	.0023	.0084
%RSD	.40536	.12853	.81118	.68810	.11463	.41930
#1	1.0015	24.284	.50029	2.0779	1.9924	1.9970
#2	.99362	24.223	.50010	2.0668	1.9878	2.0139
#3	.99916	24.245	.50725	2.0952	1.9899	2.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.280**	**.50370**	**1.9974**	**1.9109**	**1.9730**	**24.194**
Stddev	.182	.00396	.0172	.0084	.0076	.097
%RSD	.36964	.78546	.86018	.44087	.38432	.40140
#1	49.171	.50222	1.9878	1.9191	1.9722	24.082
#2	49.490	.50070	1.9871	1.9022	1.9658	24.243
#3	49.178	.50819	2.0172	1.9113	1.9809	24.256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.54**	**2.0164**	**48.160**	**1.9242**	**1.9019**	**120.97**
Stddev	.86	.0030	.362	.0101	.0169	.51
%RSD	.72137	.15075	.75118	.52579	.88676	.42165
#1	117.64	2.0180	47.869	1.9324	1.8976	120.44
#2	119.33	2.0129	48.565	1.9129	1.8877	121.46
#3	118.65	2.0183	48.046	1.9273	1.9205	121.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 14:13:01 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0235**	**.50838**	**.50355**	**.51074**	**1.9819**	**1.8507**
Stddev	.0183	.00362	.00355	.00718	.0166	.0139
%RSD	.90285	.71248	.70507	1.4054	.83644	.75171
#1	2.0078	.50848	.50525	.50592	1.9642	1.8439
#2	2.0191	.50470	.49947	.50731	1.9846	1.8415
#3	2.0436	.51195	.50593	.51899	1.9970	1.8667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0067**	**1.9742**	**.93976**	**1.9781**	**1.9354**
Stddev	.0118	.0016	.00817	.0092	.0143
%RSD	.58650	.08294	.86928	.46256	.73869
#1	1.9967	1.9754	.93642	1.9781	1.9242
#2	2.0197	1.9723	.93379	1.9873	1.9306
#3	2.0037	1.9749	.94907	1.9690	1.9515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1789.3**	**3524.9**	**52149.**	**4678.7**
Stddev	12.7	23.9	336.	47.6
%RSD	.70728	.67848	.64369	1.0174
#1	1799.5	3540.2	51941.	4702.5
#2	1793.2	3537.3	52537.	4623.9
#3	1775.1	3497.4	51970.	4709.7

Sample Name: CCB10 Acquired: 11/24/2021 14:17:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00811**	**.00208**	**.02628**	**-.00013**	**.00009**
Stddev	.00026	.01571	.00137	.00186	.00021	.00007
%RSD	110.14	193.64	65.847	7.0720	161.26	73.692
#1	.00020	-.02190	.00184	.02800	.00011	.00003
#2	-.00001	-.01144	.00085	.02654	-.00026	.00016
#3	.00050	.00899	.00355	.02431	-.00026	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00014**	**.00015**	**.00008**	**.00111**	**-.00069**
Stddev	.00506	.00020	.00013	.00020	.00026	.00277
%RSD	128.52	144.83	87.940	271.13	22.986	401.38
#1	.00975	.00017	.00030	-.00002	.00137	-.00121
#2	.00050	.00031	.00005	.00031	.00086	.00231
#3	.00156	-.00008	.00010	-.00006	.00110	-.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06588**	**.00185**	**.01243**	**.00004**	**.00749**	**.06867**
Stddev	.04732	.00051	.04295	.00007	.00112	.00681
%RSD	71.826	27.759	345.45	166.53	14.982	9.9159
#1	.08936	.00205	.01406	.00012	.00851	.06659
#2	.09688	.00224	-.03131	.00003	.00767	.06314
#3	.01141	.00127	.05454	-.00002	.00629	.07627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB10 Acquired: 11/24/2021 14:17:23 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00022**	**.00539**	**.00052**	**-.00566**	**.00798**
Stddev	.00047	.00192	.00063	.00027	.01032	.00096
%RSD	99.010	873.24	11.645	52.582	182.43	12.005
#1	.00020	-.00220	.00588	.00033	.00467	.00904
#2	.00101	.00163	.00468	.00039	-.01598	.00772
#3	.00021	-.00009	.00561	.00083	-.00567	.00717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**.00023**	**.00035**	**.00475**	**.00020**
Stddev	.00623	.00017	.00080	.00137	.00022
%RSD	465.51	75.718	228.54	28.859	105.67
#1	.00284	.00036	.00064	.00614	-.00004
#2	-.00850	.00003	-.00056	.00341	.00035
#3	.00164	.00029	.00097	.00469	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2125.2**	**3761.0**	**55625.**	**4780.2**
Stddev	30.6	55.8	45.	34.4
%RSD	1.4381	1.4843	.08029	.71943
#1	2118.8	3738.5	55577.	4818.9
#2	2098.4	3720.0	55632.	4768.6
#3	2158.5	3824.6	55666.	4753.1

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:22:06 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.20102**	**.01075**	**.22052**	**.20429**	**.00411**
Stddev	.00018	.01722	.00151	.00091	.00046	.00008
%RSD	3.6202	8.5676	14.022	.41231	.22603	1.8675
#1	.00473	.22089	.01149	.22046	.20461	.00408
#2	.00491	.19052	.01174	.22146	.20376	.00404
#3	.00509	.19164	.00902	.21964	.20450	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0383**	**.00505**	**.04738**	**.00457**	**.02593**	**.09994**
Stddev	.0092	.00002	.00032	.00023	.00074	.00222
%RSD	.18188	.43265	.68309	5.0030	2.8511	2.2257
#1	5.0344	.00505	.04766	.00469	.02525	.09874
#2	5.0488	.00508	.04703	.00431	.02672	.10251
#3	5.0318	.00503	.04745	.00472	.02583	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7136**	**.04996**	**5.0240**	**.01518**	**.03989**	**4.7601**
Stddev	.0288	.00156	.0258	.00005	.00029	.0205
%RSD	.60995	3.1151	.51287	.35720	.73297	.43042
#1	4.7459	.04998	5.0534	.01522	.04021	4.7816
#2	4.6909	.04839	5.0058	.01512	.03965	4.7407
#3	4.7041	.05151	5.0126	.01521	.03980	4.7580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:22:06 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03929**	**.00957**	F **.01817**	**.00715**	**.61363**	**.10286**
Stddev	.00038	.00079	.00128	.00172	.00460	.00063
%RSD	.97513	8.2083	7.0712	24.050	.74981	.61155
#1	.03903	.00930	.01947	.00537	.61894	.10275
#2	.03973	.01045	.01813	.00880	.61099	.10353
#3	.03911	.00895	.01690	.00726	.61095	.10229
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.01000			
Range			30.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.04995**	**.01999**	**.05155**	**.01975**
Stddev	.01034	.00011	.00111	.00415	.00023
%RSD	19.880	.21049	5.5689	8.0472	1.1571
#1	.04104	.04987	.01965	.04677	.01963
#2	.05345	.04992	.01909	.05411	.02001
#3	.06158	.05007	.02123	.05379	.01960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2085.2**	**3713.3**	**55364.**	**4794.8**
Stddev	3.1	7.6	135.	14.5
%RSD	.15099	.20447	.24308	.30305
#1	2081.9	3712.8	55369.	4782.8
#2	2085.6	3706.0	55497.	4790.5
#3	2088.1	3721.1	55228.	4810.9

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:26:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.18507**	**.01088**	**.21454**	**.20441**	**.00412**
Stddev	.00039	.01474	.00246	.00063	.00090	.00003
%RSD	7.7766	7.9645	22.644	.29196	.44273	.70570
#1	.00457	.17572	.00840	.21382	.20485	.00416
#2	.00532	.20206	.01333	.21481	.20502	.00410
#3	.00510	.17743	.01093	.21497	.20337	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0205**	**.00515**	**.04744**	**.00526**	**.02569**	**.09790**
Stddev	.0129	.00011	.00029	.00020	.00023	.00086
%RSD	.25662	2.0442	.61784	3.8477	.87714	.88207
#1	5.0112	.00524	.04732	.00549	.02543	.09882
#2	5.0352	.00503	.04777	.00516	.02585	.09776
#3	5.0151	.00517	.04722	.00513	.02579	.09711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6855**	**.04886**	**4.9879**	**.01511**	**.03911**	**4.7792**
Stddev	.0104	.00086	.0290	.00008	.00024	.0150
%RSD	.22221	1.7696	.58211	.54671	.62253	.31292
#1	4.6807	.04844	4.9946	.01502	.03886	4.7716
#2	4.6974	.04985	4.9561	.01517	.03935	4.7964
#3	4.6783	.04828	5.0129	.01516	.03911	4.7696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/24/2021 14:26:45 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03884**	**.00920**	F **.01946**	**.00837**	**.59006**	**.10338**
Stddev	.00058	.00070	.00150	.00123	.00264	.00030
%RSD	1.4887	7.5588	7.7033	14.666	.44808	.29218
#1	.03828	.00843	.01983	.00889	.58835	.10312
#2	.03944	.00939	.02074	.00925	.58872	.10331
#3	.03880	.00978	.01781	.00697	.59310	.10371
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.01000			
Range			30.000%			

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04573**	**.04973**	**.02015**	**.05355**	**.01985**
Stddev	.00784	.00017	.00067	.00582	.00007
%RSD	17.156	.34604	3.3460	10.874	.36315
#1	.05257	.04975	.02081	.04773	.01983
#2	.04744	.04955	.02018	.05355	.01979
#3	.03717	.04989	.01946	.05938	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2082.5**	**3717.5**	**55208.**	**4769.1**
Stddev	4.4	3.1	320.	23.2
%RSD	.21325	.08318	.58015	.48685
#1	2083.0	3719.8	55561.	4781.7
#2	2077.9	3718.8	55126.	4742.3
#3	2086.7	3714.0	54937.	4783.3

Sample Name: MB 180-379791/1-A Acquired: 11/24/2021 14:31:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00239**	**-.00011**	**.01016**	**.00010**	**.00005**
Stddev	.00054	.00556	.00142	.00048	.00025	.00002
%RSD	135.06	232.18	1253.1	4.7265	250.88	43.484
#1	.00068	.00332	.00077	.01051	.00036	.00004
#2	.00073	-.00779	-.00175	.01035	.00005	.00008
#3	-.00022	-.00271	.00064	.00961	-.00012	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**-.00001**	**.00001**	**.00011**	**.00046**	**-.00272**
Stddev	.00633	.00002	.00010	.00028	.00039	.00350
%RSD	91.693	154.87	805.84	243.17	86.044	128.72
#1	.00403	-.00000	-.00002	.00043	.00052	-.00149
#2	.00252	-.00004	-.00006	-.00009	.00004	-.00666
#3	.01417	.00000	.00012	-.00000	.00081	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00620**	**-.00017**	**-.00712**	**.00003**	**.00093**	**.02406**
Stddev	.02491	.00108	.02889	.00002	.00011	.00950
%RSD	402.08	636.37	405.66	74.394	12.359	39.467
#1	-.00106	.00107	-.02570	.00002	.00106	.01570
#2	-.01428	-.00071	.02616	.00005	.00084	.02209
#3	.03393	-.00087	-.02183	.00001	.00089	.03439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379791/1-A Acquired: 11/24/2021 14:31:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00076**	**.00364**	**-.00159**	**-.00658**	**.00598**
Stddev	.00030	.00151	.00109	.00178	.00592	.00043
%RSD	198.12	198.37	30.009	111.76	89.985	7.2514
#1	.00044	-.00100	.00487	-.00346	-.01237	.00552
#2	-.00016	.00085	.00279	.00009	-.00685	.00638
#3	.00018	-.00213	.00326	-.00141	-.00053	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00012**	**.00078**	**.00238**	**-.00031**
Stddev	.00526	.00012	.00109	.00616	.00012
%RSD	660.00	98.684	139.09	258.68	37.687
#1	.00134	-.00013	-.00010	-.00123	-.00022
#2	.00306	.00000	.00045	.00949	-.00044
#3	-.00679	-.00024	.00200	-.00112	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2109.0**	**3727.3**	**55545.**	**4785.9**
Stddev	4.0	10.5	414.	67.8
%RSD	.19014	.28110	.74526	1.4171
#1	2113.3	3736.5	55753.	4809.4
#2	2105.3	3715.9	55813.	4838.8
#3	2108.4	3729.5	55068.	4709.5

Sample Name: LCS 180-379791/2-A Acquired: 11/24/2021 14:36:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25478**	**4.5724**	**1.0828**	**1.3806**	**1.0457**	**.53145**
Stddev	.00049	.0085	.0062	.0054	.0018	.00168
%RSD	.19235	.18512	.57405	.39011	.17428	.31580
#1	.25424	4.5730	1.0885	1.3852	1.0453	.52964
#2	.25490	4.5805	1.0762	1.3747	1.0477	.53296
#3	.25520	4.5636	1.0839	1.3820	1.0441	.53175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.194**	**.53261**	**.51168**	**.50448**	**.52173**	**4.5388**
Stddev	.025	.00229	.00281	.00581	.00239	.0189
%RSD	.10685	.42988	.54870	1.1519	.45722	.41597
#1	23.189	.53448	.51490	.50019	.52147	4.5363
#2	23.221	.53006	.50979	.51109	.51948	4.5213
#3	23.173	.53330	.51034	.50215	.52423	4.5588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.124**	**.52769**	**22.620**	**.51125**	**.48838**	**22.676**
Stddev	.072	.00104	.091	.00183	.00235	.058
%RSD	.32345	.19772	.40014	.35742	.48024	.25375
#1	22.048	.52735	22.605	.50965	.48934	22.613
#2	22.135	.52887	22.538	.51324	.48571	22.690
#3	22.190	.52687	22.717	.51087	.49010	22.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379791/2-A Acquired: 11/24/2021 14:36:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51588**	**.51943**	**.24867**	**1.1096**	**1.0782**	**.98329**
Stddev	.00237	.00421	.00228	.0034	.0076	.00462
%RSD	.46009	.81092	.91861	.30376	.70802	.46963
#1	.51846	.52345	.25057	1.1133	1.0694	.98744
#2	.51379	.51505	.24931	1.1069	1.0815	.97832
#3	.51538	.51978	.24614	1.1085	1.0835	.98412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.51271**	**.52433**	**1.0032**	**.50917**	**.24948**
Stddev	.00357	.00193	.0038	.00371	.00121
%RSD	.69717	.36784	.37567	.72927	.48480
#1	.51129	.52358	1.0073	.51346	.25068
#2	.51678	.52652	.99987	.50687	.24827
#3	.51007	.52289	1.0024	.50720	.24948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1949.4**	**3635.7**	**54353.**	**4830.3**
Stddev	5.7	10.3	230.	17.6
%RSD	.29131	.28403	.42381	.36437
#1	1942.9	3629.4	54619.	4850.2
#2	1953.6	3647.6	54230.	4823.9
#3	1951.7	3630.0	54211.	4816.8

Sample Name: 180-130105-A-1-A Acquired: 11/24/2021 14:40:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.04506**	**.01187**	**.28028**	**.10025**	**-.00004**
Stddev	.00035	.02723	.00254	.00034	.00031	.00003
%RSD	385.23	60.435	21.361	.12081	.30502	91.790
#1	.00030	.03461	.00898	.27992	.10014	-.00000
#2	-.00018	.07597	.01370	.28033	.10002	-.00004
#3	-.00040	.02460	.01294	.28059	.10060	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**160.42**	**.00017**	**.00286**	**-.00046**	**-.00303**	**.70038**
Stddev	.24	.00010	.00013	.00051	.00103	.00759
%RSD	.15002	60.718	4.3745	111.74	34.010	1.0837
#1	160.20	.00021	.00276	-.00004	-.00328	.69484
#2	160.38	.00005	.00283	-.00031	-.00190	.69727
#3	160.68	.00025	.00300	-.00103	-.00391	.70903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2767**	**.06646**	**73.038**	**.12809**	**.01326**	F **1746.1**
Stddev	.1779	.00161	.229	.00039	.00028	14.1
%RSD	2.8339	2.4243	.31408	.30739	2.0763	.80536
#1	6.1115	.06462	73.007	.12852	.01357	1761.7
#2	6.2537	.06713	72.825	.12775	.01315	1734.4
#3	6.4650	.06762	73.281	.12802	.01304	1742.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-1-A Acquired: 11/24/2021 14:40:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**.00011**	**-.00127**	**.00122**	**4.0416**	**.00280**
Stddev	.00101	.00087	.00217	.00335	.0089	.00043
%RSD	30.008	773.08	171.36	275.24	.21887	15.477
#1	.00448	.00106	-.00374	.00252	4.0377	.00284
#2	.00255	-.00064	.00030	-.00258	4.0517	.00321
#3	.00303	-.00009	-.00036	.00372	4.0354	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **46.544**	**-.00059**	**.00243**	**.00389**	**.00292**
Stddev	.161	.00015	.00053	.00490	.00015
%RSD	.34490	24.765	21.760	125.87	5.0349
#1	46.576	-.00075	.00219	.00458	.00302
#2	46.370	-.00054	.00303	-.00132	.00299
#3	46.686	-.00047	.00206	.00841	.00275
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1495.9**	**3109.2**	**45571.**	**4523.1**
Stddev	.7	3.0	342.	22.7
%RSD	.04713	.09637	.74944	.50163
#1	1495.1	3108.2	45235.	4512.5
#2	1496.0	3106.8	45917.	4549.1
#3	1496.5	3112.5	45560.	4507.6

Sample Name: 180-130105-A-2-A Acquired: 11/24/2021 14:45:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.02044**	**.00591**	**.33886**	**.18277**	**.00009**
Stddev	.00015	.03126	.00038	.00070	.00044	.00022
%RSD	154.94	152.92	6.4086	.20558	.23869	234.44
#1	.00025	-.00784	.00618	.33806	.18327	-.00004
#2	.00010	.05400	.00607	.33935	.18248	-.00002
#3	-.00005	.01515	.00548	.33917	.18256	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**145.70**	**.00014**	**.00139**	**-.00059**	**-.00301**	**.10868**
Stddev	.77	.00016	.00055	.00056	.00084	.00163
%RSD	.53087	109.56	39.536	93.916	28.002	1.4984
#1	145.03	-.00004	.00167	-.00069	-.00204	.10893
#2	146.55	.00022	.00174	.00001	-.00351	.11017
#3	145.53	.00025	.00076	-.00110	-.00348	.10694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3563**	**.07617**	**119.17**	**.07106**	**.01164**	**418.48**
Stddev	.0041	.00067	.56	.00010	.00014	2.73
%RSD	.09364	.87721	.46658	.13647	1.1800	.65313
#1	4.3593	.07672	118.68	.07115	.01168	415.53
#2	4.3579	.07543	119.78	.07109	.01149	420.94
#3	4.3516	.07638	119.06	.07096	.01176	418.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-2-A Acquired: 11/24/2021 14:45:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00015**	**-.00101**	**-.00085**	**4.7984**	**.00287**
Stddev	.00043	.00307	.00294	.00098	.0085	.00073
%RSD	30.941	2041.0	290.52	116.06	.17745	25.534
#1	.00153	-.00218	-.00071	.00027	4.8011	.00221
#2	.00091	-.00100	-.00410	-.00121	4.7889	.00366
#3	.00173	.00363	.00177	-.00159	4.8052	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **42.942**	**-.00089**	**.00237**	**.00055**	**1.1689**
Stddev	.210	.00013	.00238	.00296	.0006
%RSD	.48955	14.668	100.47	536.84	.05603
#1	42.700	-.00085	.00108	.00394	1.1681
#2	43.082	-.00104	.00512	-.00073	1.1692
#3	43.043	-.00079	.00091	-.00155	1.1693
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1666.7**	**3292.4**	**49014.**	**4597.6**
Stddev	2.6	4.8	155.	46.2
%RSD	.15705	.14469	.31524	1.0055
#1	1669.4	3297.8	49030.	4636.5
#2	1666.4	3288.7	48852.	4546.5
#3	1664.2	3290.6	49159.	4609.7

Sample Name: 180-130105-A-3-E Acquired: 11/24/2021 14:49:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.05380**	**.00795**	**.08650**	**.54079**	**.00004**
Stddev	.00013	.02758	.00118	.00043	.00141	.00007
%RSD	33.725	51.274	14.886	.49981	.26060	164.68
#1	-.00030	.02563	.00700	.08661	.53968	-.00004
#2	-.00053	.08077	.00758	.08686	.54031	.00009
#3	-.00032	.05500	.00928	.08602	.54237	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**239.06**	**.00015**	**.00164**	**.00047**	**.00154**	**1.1831**
Stddev	.91	.00005	.00038	.00023	.00054	.0043
%RSD	.38223	32.666	22.933	48.503	34.945	.36320
#1	238.04	.00015	.00203	.00054	.00117	1.1865
#2	239.32	.00021	.00162	.00064	.00129	1.1845
#3	239.81	.00011	.00127	.00021	.00215	1.1783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.317**	**.04107**	**37.683**	**.30643**	**.00534**	F **830.99**
Stddev	.153	.00091	.103	.00085	.00014	10.54
%RSD	.39981	2.2220	.27319	.27631	2.6066	1.2680
#1	38.473	.04015	37.800	.30566	.00549	823.53
#2	38.167	.04197	37.608	.30629	.00531	826.39
#3	38.310	.04111	37.640	.30734	.00522	843.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-3-E Acquired: 11/24/2021 14:49:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**.00349**	**.00401**	**-.00179**	**7.1080**	**.00360**
Stddev	.00036	.00193	.00160	.00189	.0508	.00075
%RSD	18.007	55.240	39.903	105.40	.71450	20.747
#1	.00229	.00483	.00221	.00032	7.1279	.00289
#2	.00212	.00434	.00455	-.00331	7.0503	.00355
#3	.00160	.00128	.00528	-.00239	7.1459	.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4160**	**.00148**	**-.00079**	**.00284**	**.08702**
Stddev	.0296	.00018	.00120	.00160	.00034
%RSD	.39965	12.121	151.86	56.495	.39490
#1	7.4340	.00142	.00056	.00464	.08684
#2	7.3818	.00134	-.00122	.00156	.08742
#3	7.4322	.00168	-.00171	.00232	.08681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1586.6**	**3226.7**	**47767.**	**4591.1**
Stddev	6.1	8.2	181.	17.7
%RSD	.38435	.25361	.37882	.38621
#1	1580.7	3219.9	47912.	4597.1
#2	1586.1	3224.3	47826.	4605.1
#3	1592.9	3235.8	47564.	4571.2

Sample Name: 180-130105-A-4-A Acquired: 11/24/2021 14:54:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00804**	**.00526**	**.32874**	**.18109**	**-.00000**
Stddev	.00032	.00925	.00179	.00076	.00105	.00016
%RSD	173.45	115.10	34.059	.23111	.58149	12877.
#1	.00047	.00301	.00469	.32954	.18170	.00014
#2	-.00016	.00239	.00726	.32865	.17987	-.00018
#3	.00024	.01871	.00382	.32803	.18169	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.80**	**.00013**	**.00186**	**.00003**	**-.00331**	**.09374**
Stddev	.13	.00007	.00009	.00007	.00051	.00253
%RSD	.09215	55.172	4.5824	249.10	15.371	2.7024
#1	144.84	.00005	.00186	.00003	-.00385	.09121
#2	144.91	.00018	.00177	-.00004	-.00284	.09628
#3	144.65	.00017	.00194	.00010	-.00322	.09375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1397**	**.06935**	**117.90**	**.07026**	**.01064**	**423.92**
Stddev	.0303	.00064	.36	.00013	.00015	1.92
%RSD	.73258	.92517	.30864	.18111	1.4485	.45391
#1	4.1671	.06881	118.20	.07014	.01056	423.69
#2	4.1071	.06918	118.02	.07026	.01054	422.13
#3	4.1448	.07006	117.50	.07039	.01082	425.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-4-A Acquired: 11/24/2021 14:54:40 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00287**	**-.00015**	**-.00207**	**4.7338**	**.00240**
Stddev	.00078	.00079	.00105	.00497	.0166	.00090
%RSD	73.109	27.609	683.69	240.47	.35030	37.433
#1	.00080	.00375	-.00133	-.00479	4.7482	.00329
#2	.00195	.00264	.00067	.00367	4.7157	.00241
#3	.00046	.00221	.00020	-.00508	4.7375	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **42.473**	**-.00124**	**.00221**	**.00230**	**1.2217**
Stddev	.127	.00004	.00155	.00264	.0019
%RSD	.29884	2.8773	69.783	114.92	.15476
#1	42.547	-.00124	.00046	-.00034	1.2226
#2	42.545	-.00121	.00337	.00494	1.2230
#3	42.326	-.00128	.00281	.00230	1.2195
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1666.6**	**3294.1**	**49095.**	**4601.8**
Stddev	4.0	4.7	91.	12.6
%RSD	.24186	.14211	.18574	.27304
#1	1666.6	3297.3	49187.	4599.0
#2	1662.6	3288.7	49094.	4590.9
#3	1670.7	3296.3	49004.	4615.6

Sample Name: 180-130105-A-5-A Acquired: 11/24/2021 14:59:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01930**	**.00316**	**.07725**	**.04172**	**.00005**
Stddev	.00016	.02039	.00058	.00056	.00012	.00009
%RSD	64.776	105.63	18.352	.72036	.27820	180.80
#1	-.00006	.04021	.00252	.07749	.04182	-.00005
#2	-.00036	-.00051	.00331	.07661	.04159	.00012
#3	-.00031	.01820	.00366	.07764	.04173	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.113**	**.00025**	**.00053**	**.00001**	**.00152**	**.76833**
Stddev	.119	.00016	.00029	.00047	.00072	.00569
%RSD	.49166	64.182	54.556	5572.6	47.384	.74099
#1	24.240	.00044	.00030	-.00032	.00162	.76179
#2	24.095	.00014	.00085	.00055	.00219	.77220
#3	24.005	.00018	.00044	-.00020	.00076	.77099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.922**	**.01059**	**8.8354**	**.02944**	**.00343**	**10.993**
Stddev	.066	.00115	.0864	.00012	.00034	.031
%RSD	.41234	10.863	.97755	.42142	9.8656	.28297
#1	15.848	.01175	8.9150	.02935	.00380	10.957
#2	15.942	.00945	8.8475	.02958	.00335	11.012
#3	15.974	.01056	8.7436	.02940	.00314	11.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-5-A Acquired: 11/24/2021 14:59:23 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**-.00022**	**.00327**	**-.00180**	**1.9223**	**.00460**
Stddev	.00046	.00175	.00136	.00095	.0326	.00121
%RSD	41.389	780.96	41.673	52.544	1.6978	26.377
#1	.00063	.00179	.00171	-.00284	1.9589	.00365
#2	.00154	-.00119	.00422	-.00156	1.8963	.00597
#3	.00117	-.00128	.00389	-.00100	1.9117	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**3.8533**	**.00028**	**.00128**	**.00541**	**.01153**
Stddev	.0035	.00012	.00088	.00247	.00014
%RSD	.09066	41.525	68.193	45.544	1.2503
#1	3.8568	.00031	.00212	.00787	.01153
#2	3.8499	.00016	.00037	.00294	.01138
#3	3.8531	.00039	.00136	.00544	.01167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2009.7**	**3641.0**	**54315.**	**4842.9**
Stddev	6.2	6.4	56.	23.3
%RSD	.31023	.17690	.10280	.48176
#1	2015.5	3642.7	54269.	4816.1
#2	2010.5	3646.4	54299.	4854.0
#3	2003.1	3633.9	54377.	4858.6

Sample Name: 180-130105-A-6-A Acquired: 11/24/2021 15:04:02 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00205**	**.00592**	**.05035**	**.07781**	**.00020**
Stddev	.00061	.01136	.00334	.00070	.00026	.00005
%RSD	214.36	553.49	56.417	1.3848	.33856	27.394
#1	.00024	.00592	.00517	.05010	.07766	.00025
#2	-.00096	-.01073	.00302	.05114	.07811	.00022
#3	-.00013	.01097	.00957	.04981	.07766	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**230.89**	**.00027**	**.00260**	**-.00094**	**-.00098**	**1.0009**
Stddev	.53	.00005	.00023	.00024	.00079	.0040
%RSD	.22954	18.670	8.9594	24.957	80.744	.40440
#1	230.28	.00029	.00259	-.00082	-.00011	1.0047
#2	231.19	.00022	.00236	-.00122	-.00118	1.0016
#3	231.21	.00031	.00283	-.00079	-.00165	.99663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.354**	**.26611**	**97.663**	**.26375**	**.02063**	F **1551.8**
Stddev	.090	.00272	.201	.00071	.00025	18.0
%RSD	.34172	1.0230	.20566	.27035	1.2031	1.1597
#1	26.321	.26317	97.684	.26407	.02089	1553.1
#2	26.456	.26854	97.853	.26293	.02039	1569.1
#3	26.285	.26663	97.453	.26425	.02060	1533.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-6-A Acquired: 11/24/2021 15:04:02 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.00830**	**.00318**	**.00037**	**6.8115**	**.00179**
Stddev	.00072	.00102	.00213	.00249	.0463	.00004
%RSD	30.531	12.348	66.874	677.43	.67992	2.4913
#1	.00169	.00842	.00434	-.00189	6.8571	.00178
#2	.00228	.00721	.00073	-.00005	6.8130	.00184
#3	.00313	.00925	.00447	.00304	6.7645	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**7.4994**	**-.00043**	**.00058**	**.00224**	**.00694**
Stddev	.0058	.00011	.00205	.00161	.00030
%RSD	.07689	25.204	356.48	72.169	4.3633
#1	7.4966	-.00037	.00226	.00400	.00710
#2	7.5061	-.00055	-.00171	.00186	.00712
#3	7.4957	-.00036	.00118	.00084	.00659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1489.5**	**3091.9**	**45660.**	**4498.0**
Stddev	4.2	11.5	123.	23.7
%RSD	.27941	.37050	.26947	.52648
#1	1488.6	3090.5	45644.	4521.5
#2	1485.8	3081.2	45790.	4498.2
#3	1494.0	3104.0	45546.	4474.1

Sample Name: CCV 4546440 Acquired: 11/24/2021 15:08:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99304**	**24.281**	**.50156**	**2.0411**	**2.0005**	**2.0156**
Stddev	.00121	.163	.00320	.0010	.0100	.0056
%RSD	.12142	.67046	.63705	.05101	.49760	.27659
#1	.99402	24.426	.50086	2.0417	2.0104	2.0219
#2	.99169	24.313	.50505	2.0417	2.0005	2.0114
#3	.99340	24.105	.49878	2.0399	1.9905	2.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.286**	**.50318**	**1.9820**	**1.9064**	**1.9668**	**24.236**
Stddev	.450	.00117	.0041	.0021	.0048	.057
%RSD	.91228	.23218	.20637	.10823	.24376	.23541
#1	49.800	.50428	1.9835	1.9057	1.9716	24.301
#2	49.095	.50330	1.9851	1.9049	1.9620	24.216
#3	48.964	.50195	1.9773	1.9088	1.9668	24.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.86**	**2.0359**	**48.085**	**1.9160**	**1.8929**	**116.50**
Stddev	.26	.0149	.303	.0039	.0022	.16
%RSD	.21771	.73134	.63081	.20359	.11710	.13815
#1	118.10	2.0512	48.432	1.9200	1.8948	116.56
#2	117.88	2.0350	47.950	1.9122	1.8934	116.63
#3	117.59	2.0215	47.873	1.9157	1.8905	116.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 15:08:49 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0101**	**.50918**	**.50258**	**.51099**	**1.9893**	**1.8354**
Stddev	.0042	.00379	.00179	.00104	.0326	.0053
%RSD	.21057	.74489	.35567	.20334	1.6392	.29028
#1	2.0118	.51337	.50357	.51158	2.0151	1.8395
#2	2.0132	.50817	.50052	.51160	2.0001	1.8372
#3	2.0052	.50599	.50365	.50979	1.9527	1.8294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9987**	**1.9761**	**.93671**	**1.9815**	**1.9154**
Stddev	.0143	.0016	.00165	.0166	.0049
%RSD	.71472	.08188	.17576	.83706	.25464
#1	1.9962	1.9779	.93848	2.0006	1.9198
#2	2.0140	1.9749	.93523	1.9731	1.9163
#3	1.9858	1.9755	.93642	1.9708	1.9102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1795.5**	**3526.8**	**52353.**	**4689.0**
Stddev	3.9	7.0	197.	53.8
%RSD	.21448	.19913	.37714	1.1472
#1	1796.1	3522.4	52213.	4628.0
#2	1791.5	3523.1	52579.	4709.6
#3	1799.1	3534.9	52268.	4729.5

Sample Name: CCB11 Acquired: 11/24/2021 15:13:11 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00726**	**.00044**	**.00431**	**-.00015**	**.00005**
Stddev	.00037	.00525	.00217	.00056	.00023	.00006
%RSD	574.54	72.249	491.79	12.945	158.25	130.86
#1	-.00031	-.00697	.00167	.00494	-.00007	.00006
#2	-.00025	-.00217	.00172	.00415	-.00040	.00011
#3	.00036	-.01265	-.00207	.00385	.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00011**	**.00012**	**-.00020**	**.00112**	**-.00331**
Stddev	.00203	.00005	.00006	.00026	.00058	.00346
%RSD	80.527	46.266	46.241	126.74	52.046	104.51
#1	.00077	.00008	.00006	-.00047	.00060	-.00479
#2	.00474	.00009	.00015	.00004	.00175	-.00578
#3	.00205	.00017	.00017	-.00018	.00101	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19265**	**.00451**	**.00031**	**.00003**	**.00770**	**.34574**
Stddev	.03203	.00087	.01754	.00004	.00113	.00711
%RSD	16.624	19.186	5746.2	117.01	14.718	2.0570
#1	.22711	.00447	-.00676	-.00001	.00884	.35024
#2	.16380	.00539	.02028	.00006	.00770	.34944
#3	.18703	.00367	-.01260	.00005	.00657	.33754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB11 Acquired: 11/24/2021 15:13:11 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00037**	**.00177**	**-.00089**	**-.00622**	**.00505**
Stddev	.00016	.00085	.00269	.00105	.00523	.00028
%RSD	823.04	228.41	152.12	117.62	84.081	5.5739
#1	.00005	.00048	.00319	.00014	-.00804	.00524
#2	-.00015	.00116	-.00133	-.00196	-.00032	.00519
#3	.00016	-.00053	.00344	-.00086	-.01030	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00111**	**.00022**	**.00034**	**-.00163**	**.00001**
Stddev	.00452	.00004	.00086	.00482	.00014
%RSD	406.20	19.086	256.88	294.98	1622.7
#1	.00381	.00027	.00120	-.00604	.00011
#2	-.00509	.00019	-.00052	.00351	.00007
#3	-.00206	.00021	.00033	-.00237	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2096.7**	**3699.5**	**55454.**	**4753.0**
Stddev	6.4	11.8	167.	20.8
%RSD	.30595	.31822	.30072	.43797
#1	2094.8	3697.5	55631.	4776.5
#2	2091.4	3688.8	55300.	4745.6
#3	2103.8	3712.1	55432.	4736.9

Sample Name: 180-130105-A-7-A Acquired: 11/24/2021 15:17:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.14122**	**.00302**	**.34497**	**.08385**	**.00019**
Stddev	.00029	.01274	.00319	.00060	.00016	.00015
%RSD	240.77	9.0235	105.60	.17346	.18712	80.212
#1	-.00031	.12702	-.00062	.34469	.08401	.00036
#2	.00021	.14500	.00435	.34566	.08385	.00006
#3	-.00026	.15165	.00532	.34457	.08369	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.590**	**.00015**	**.00040**	**-.00013**	**-.00109**	**.36015**
Stddev	.140	.00006	.00016	.00017	.00082	.00158
%RSD	.24231	39.484	39.209	130.46	74.616	.43796
#1	57.743	.00009	.00038	-.00028	-.00029	.36158
#2	57.470	.00020	.00057	-.00018	-.00107	.36041
#3	57.557	.00016	.00026	.00006	-.00192	.35846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4334**	**.03942**	**47.600**	**.04537**	**.00863**	**71.937**
Stddev	.0484	.00135	.178	.00019	.00013	.329
%RSD	1.0922	3.4204	.37365	.40818	1.5239	.45744
#1	4.4227	.03902	47.805	.04531	.00877	72.165
#2	4.4862	.03832	47.504	.04522	.00851	72.087
#3	4.3912	.04092	47.490	.04558	.00860	71.560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-7-A Acquired: 11/24/2021 15:17:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00103**	**.00129**	**-.00377**	**5.8287**	**.00224**
Stddev	.00047	.00110	.00174	.00107	.0394	.00061
%RSD	29.897	107.32	135.17	28.312	.67564	27.337
#1	.00193	.00131	-.00028	-.00371	5.8244	.00259
#2	.00105	.00196	.00316	-.00273	5.8700	.00153
#3	.00178	-.00019	.00097	-.00486	5.7916	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**21.386**	**.00193**	**.00188**	**.00263**	**.01681**
Stddev	.103	.00030	.00155	.00128	.00013
%RSD	.48270	15.431	82.740	48.820	.78314
#1	21.503	.00227	.00366	.00263	.01671
#2	21.347	.00171	.00111	.00135	.01696
#3	21.307	.00180	.00085	.00392	.01676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1879.6**	**3523.0**	**52645.**	**4720.8**
Stddev	2.1	2.0	152.	18.3
%RSD	.11368	.05691	.28879	.38670
#1	1879.3	3523.9	52604.	4701.9
#2	1881.8	3524.4	52813.	4738.3
#3	1877.6	3520.7	52517.	4722.1

Sample Name: 180-130105-A-8-A Acquired: 11/24/2021 15:22:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01228**	**.00462**	**.13097**	**1.0901**	**.00011**
Stddev	.00055	.00610	.00214	.00087	.0127	.00008
%RSD	187.42	49.652	46.476	.66522	1.1695	74.132
#1	.00083	.00524	.00610	.13108	1.0814	.00020
#2	-.00027	.01590	.00216	.13178	1.1047	.00004
#3	.00033	.01569	.00559	.13005	1.0842	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**507.23**	**.00065**	**.00484**	**.00040**	**-.00231**	**.12497**
Stddev	8.81	.00029	.00021	.00115	.00064	.00442
%RSD	1.7377	44.955	4.3932	287.47	27.715	3.5373
#1	506.21	.00083	.00489	.00168	-.00297	.12505
#2	516.50	.00080	.00460	.00006	-.00227	.12935
#3	498.96	.00031	.00502	-.00054	-.00169	.12051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.668**	**.28515**	F **638.97**	**.63952**	**.00475**	F **1237.8**
Stddev	.180	.00297	7.32	.00324	.00042	12.4
%RSD	1.4209	1.0413	1.1454	.50691	8.8791	1.0001
#1	12.535	.28222	635.89	.64222	.00430	1244.0
#2	12.873	.28816	647.32	.64041	.00514	1245.9
#3	12.595	.28508	633.69	.63592	.00481	1223.6
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 180-130105-A-8-A Acquired: 11/24/2021 15:22:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.00585**	**-.00485**	**.00286**	**6.6163**	**.00070**
Stddev	.00055	.00356	.00174	.00332	.0700	.00089
%RSD	4.8999	60.838	35.920	116.12	1.0587	128.11
#1	.01070	.00229	-.00337	.00051	6.6199	.00080
#2	.01180	.00587	-.00441	.00141	6.6844	-.00024
#3	.01126	.00941	-.00677	.00666	6.5445	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **134.33**	**-.00353**	**-.00110**	**.00019**	**.00632**
Stddev	1.62	.00018	.00125	.00217	.00033
%RSD	1.2024	5.1184	113.95	1143.4	5.2400
#1	133.34	-.00372	.00028	-.00103	.00604
#2	136.19	-.00336	-.00217	-.00109	.00668
#3	133.45	-.00350	-.00140	.00270	.00624
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1407.1**	**2915.5**	**43930.**	**4350.6**
Stddev	2.8	7.9	160.	48.0
%RSD	.19806	.27250	.36416	1.1035
#1	1408.0	2911.7	43761.	4356.1
#2	1404.0	2910.1	43948.	4300.1
#3	1409.3	2924.6	44079.	4395.7

Sample Name: 180-130105-A-9-A Acquired: 11/24/2021 15:27:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.01151**	**.00136**	**.43247**	**.06929**	**.00007**
Stddev	.00046	.01031	.00141	.00148	.00085	.00015
%RSD	92.890	89.596	103.86	.34138	1.2208	220.14
#1	.00059	-.02183	.00100	.43313	.06854	-.00010
#2	-.00001	-.01149	.00016	.43350	.06911	.00017
#3	.00089	-.00121	.00291	.43078	.07021	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.60**	**.00011**	**.00076**	**-.00001**	**-.00265**	**.08791**
Stddev	1.38	.00009	.00031	.00080	.00054	.00250
%RSD	1.2170	80.329	41.002	11634.	20.342	2.8476
#1	112.77	.00021	.00110	-.00069	-.00314	.08507
#2	112.83	.00003	.00049	-.00021	-.00274	.08982
#3	115.20	.00010	.00069	.00088	-.00207	.08883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6753**	**.02588**	**67.318**	**.02112**	**.02417**	**154.68**
Stddev	.0095	.00157	.731	.00008	.00017	1.19
%RSD	.35562	6.0594	1.0854	.39691	.70075	.76763
#1	2.6643	.02470	66.962	.02121	.02436	153.69
#2	2.6809	.02766	66.834	.02110	.02403	154.36
#3	2.6808	.02527	68.159	.02105	.02413	156.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-9-A Acquired: 11/24/2021 15:27:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00145**	**-.00190**	**-.00132**	**3.7429**	**.00190**
Stddev	.00063	.00220	.00346	.00186	.0335	.00072
%RSD	47.965	152.40	182.34	140.86	.89518	38.135
#1	.00063	.00090	-.00351	.00081	3.7204	.00198
#2	.00187	-.00044	-.00426	-.00259	3.7268	.00258
#3	.00144	.00387	.00208	-.00217	3.7814	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **50.150**	**-.00084**	**.00260**	**.00260**	**.01981**
Stddev	.383	.00006	.00168	.00072	.00015
%RSD	.76448	6.7023	64.567	27.737	.73411
#1	49.838	-.00078	.00434	.00199	.01966
#2	50.035	-.00088	.00099	.00242	.01995
#3	50.578	-.00087	.00247	.00340	.01982
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1781.0**	**3402.8**	**50937.**	**4645.0**
Stddev	2.8	6.7	286.	33.8
%RSD	.15650	.19642	.56124	.72722
#1	1778.2	3400.1	50608.	4667.0
#2	1783.8	3398.0	51073.	4661.9
#3	1781.1	3410.5	51130.	4606.1

Sample Name: 180-130105-A-10-A Acquired: 11/24/2021 15:32:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.25757**	**.00117**	**.00866**	**.02194**	**-.00003**
Stddev	.00035	.01154	.00225	.00009	.00031	.00005
%RSD	16611.	4.4792	192.02	1.0016	1.4151	175.54
#1	-.00030	.27088	-.00090	.00870	.02229	-.00003
#2	.00038	.25043	.00357	.00872	.02183	-.00007
#3	-.00009	.25139	.00085	.00856	.02171	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.560**	**.00035**	**.00093**	**.00071**	**.00202**	**5.6348**
Stddev	.044	.00009	.00036	.00029	.00078	.0204
%RSD	.14953	24.674	38.555	40.542	38.495	.36117
#1	29.608	.00029	.00129	.00045	.00225	5.6380
#2	29.549	.00030	.00093	.00067	.00115	5.6131
#3	29.522	.00044	.00057	.00102	.00266	5.6534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**124.46**	**.00482**	**2.9394**	**.24038**	**.00146**	**2.0670**
Stddev	.58	.00076	.0094	.00128	.00027	.0014
%RSD	.46461	15.655	.31975	.53401	18.502	.06814
#1	124.91	.00532	2.9310	.24138	.00154	2.0674
#2	123.81	.00519	2.9377	.24083	.00168	2.0655
#3	124.66	.00395	2.9496	.23893	.00116	2.0682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10-A Acquired: 11/24/2021 15:32:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**.00017**	**.00250**	**-.00264**	**.95688**	**.00178**
Stddev	.00028	.00083	.00130	.00198	.01441	.00074
%RSD	12.420	479.30	51.976	74.889	1.5059	41.737
#1	.00260	.00111	.00113	-.00488	.97277	.00119
#2	.00210	-.00048	.00267	-.00186	.95321	.00261
#3	.00212	-.00011	.00371	-.00117	.94466	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.12634**	**.00596**	**.00146**	**.00419**	**.02063**
Stddev	.00737	.00011	.00075	.00233	.00008
%RSD	5.8350	1.9280	51.564	55.471	.39518
#1	.13420	.00597	.00231	.00637	.02072
#2	.12524	.00607	.00120	.00174	.02060
#3	.11958	.00584	.00087	.00447	.02057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.0**	**3576.4**	**53488.**	**4813.4**
Stddev	5.1	8.3	250.	16.1
%RSD	.26321	.23224	.46722	.33478
#1	1928.2	3574.0	53235.	4811.6
#2	1927.7	3585.7	53735.	4798.3
#3	1919.2	3569.6	53494.	4830.4

Sample Name: 180-130105-A10A SD@5 Acquired: 11/24/2021 15:36:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.05265**	**.00217**	**.00324**	**.00416**	**.00011**
Stddev	.00037	.01249	.00174	.00028	.00026	.00007
%RSD	148.56	23.721	79.970	8.5008	6.3541	63.756
#1	.00066	.04859	.00391	.00297	.00397	.00011
#2	.00015	.06667	.00219	.00352	.00405	.00003
#3	-.00006	.04270	.00043	.00323	.00446	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8754**	**.00022**	**.00018**	**.00059**	**.00150**	**1.1168**
Stddev	.0419	.00005	.00026	.00045	.00066	.0112
%RSD	.71333	22.934	143.94	75.850	43.771	.99795
#1	5.8315	.00018	.00047	.00062	.00109	1.1039
#2	5.8798	.00020	.00003	.00102	.00226	1.1236
#3	5.9149	.00027	.00003	.00013	.00116	1.1228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.568**	**.00272**	**.59577**	**.04736**	**.00027**	**.58384**
Stddev	.049	.00090	.04707	.00046	.00007	.00799
%RSD	.20025	32.871	7.9005	.96785	24.655	1.3687
#1	24.516	.00179	.61346	.04770	.00021	.57973
#2	24.613	.00358	.54242	.04754	.00025	.57874
#3	24.574	.00280	.63143	.04684	.00034	.59305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A10A SD@5 Acquired: 11/24/2021 15:36:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00037**	**.00275**	**-.00430**	**.18581**	**.00321**
Stddev	.00030	.00094	.00118	.00236	.00944	.00008
%RSD	68.515	252.52	42.834	54.851	5.0803	2.5115
#1	.00048	-.00055	.00350	-.00171	.18672	.00327
#2	.00071	-.00121	.00139	-.00489	.19476	.00312
#3	.00012	.00064	.00336	-.00632	.17594	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02679**	**.00131**	**.00025**	**-.00035**	**.00404**
Stddev	.00374	.00026	.00089	.00168	.00009
%RSD	13.973	19.671	358.02	475.53	2.2054
#1	.03094	.00158	-.00059	.00152	.00395
#2	.02366	.00128	.00118	-.00084	.00404
#3	.02578	.00107	.00016	-.00174	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2052.4**	**3659.7**	**54712.**	**4730.4**
Stddev	16.7	26.4	513.	26.2
%RSD	.81274	.72188	.93749	.55298
#1	2062.3	3671.8	54612.	4755.9
#2	2061.8	3677.9	54256.	4731.8
#3	2033.2	3629.4	55267.	4703.6

Sample Name: 180-130105-A-10-B MS Acquired: 11/24/2021 15:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25188**	**5.4562**	**1.0630**	**1.3634**	**1.0224**	**.51001**
Stddev	.00316	.0612	.0092	.0130	.0038	.00085
%RSD	1.2558	1.1211	.86740	.95300	.37461	.16709
#1	.25553	5.4384	1.0733	1.3782	1.0207	.50971
#2	.25014	5.5243	1.0600	1.3579	1.0268	.51097
#3	.24997	5.4059	1.0556	1.3540	1.0198	.50934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.394**	**.51910**	**.50505**	**.48452**	**.50893**	**12.803**
Stddev	.175	.00605	.00628	.00432	.00507	.035
%RSD	.32699	1.1656	1.2442	.89067	.99541	.27541
#1	53.594	.52566	.51182	.48949	.51420	12.801
#2	53.314	.51791	.50391	.48178	.50847	12.840
#3	53.273	.51373	.49941	.48228	.50410	12.769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**146.47**	**.51725**	**27.280**	**.72932**	**.47626**	**26.683**
Stddev	.44	.00197	.055	.00672	.00392	.064
%RSD	.30314	.38176	.20070	.92114	.82308	.24008
#1	146.49	.51858	27.255	.73693	.48063	26.712
#2	146.90	.51820	27.343	.72422	.47511	26.727
#3	146.01	.51498	27.242	.72682	.47305	26.609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10-B MS Acquired: 11/24/2021 15:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50874**	**.50586**	**.24651**	**1.0733**	**2.3236**	**.94162**
Stddev	.00596	.00541	.00194	.0080	.0098	.01037
%RSD	1.1712	1.0699	.78782	.74348	.42392	1.1014
#1	.51542	.51180	.24651	1.0821	2.3126	.95144
#2	.50686	.50456	.24457	1.0666	2.3266	.94265
#3	.50395	.50121	.24845	1.0711	2.3315	.93078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61267**	**.51427**	**.95979**	**.50211**	**.26859**
Stddev	.01039	.00288	.00892	.00728	.00331
%RSD	1.6964	.56034	.92989	1.4501	1.2318
#1	.62059	.51747	.96907	.49655	.27226
#2	.60090	.51188	.95902	.51035	.26767
#3	.61653	.51344	.95127	.49942	.26584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1842.2**	**3524.6**	**52815.**	**4784.5**
Stddev	17.2	31.0	476.	31.4
%RSD	.93510	.87940	.90194	.65524
#1	1823.0	3489.5	52324.	4751.0
#2	1847.5	3535.9	52847.	4813.2
#3	1856.2	3548.4	53275.	4789.2

Sample Name: 180-130105-A-10C MSD Acquired: 11/24/2021 15:45:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24854**	**5.0443**	**1.0533**	**1.3482**	**1.0115**	**.50586**
Stddev	.00128	.0583	.0014	.0009	.0039	.00155
%RSD	.51532	1.1548	.13374	.06959	.38451	.30689
#1	.25002	4.9945	1.0525	1.3476	1.0096	.50512
#2	.24785	5.1083	1.0524	1.3477	1.0160	.50765
#3	.24775	5.0301	1.0549	1.3493	1.0090	.50482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.593**	**.51218**	**.49562**	**.47945**	**.50180**	**6.7478**
Stddev	.140	.00070	.00033	.00060	.00202	.0373
%RSD	.26050	.13718	.06717	.12603	.40213	.55304
#1	53.470	.51169	.49575	.48015	.50411	6.7093
#2	53.745	.51186	.49524	.47913	.50090	6.7839
#3	53.565	.51298	.49586	.47907	.50039	6.7501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**148.96**	**.51077**	**27.157**	**.68625**	**.46995**	**26.610**
Stddev	.91	.00291	.054	.00249	.00138	.156
%RSD	.60797	.56902	.20064	.36335	.29425	.58615
#1	148.60	.50746	27.103	.68913	.46836	26.589
#2	149.99	.51292	27.212	.68469	.47079	26.776
#3	148.29	.51193	27.155	.68495	.47071	26.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-10C MSD Acquired: 11/24/2021 15:45:42 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49814**	**.49745**	**.24341**	**1.0722**	**1.7308**	**.92640**
Stddev	.00113	.00159	.00173	.0049	.0269	.00283
%RSD	.22636	.31983	.71059	.46045	1.5562	.30525
#1	.49785	.49804	.24439	1.0695	1.7369	.92398
#2	.49718	.49565	.24141	1.0691	1.7542	.92951
#3	.49938	.49867	.24443	1.0779	1.7014	.92571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61348**	**.50193**	**.94473**	**.48767**	**.25519**
Stddev	.01126	.00124	.00237	.00780	.00071
%RSD	1.8362	.24709	.25071	1.6003	.27838
#1	.61669	.50336	.94580	.47949	.25498
#2	.62279	.50111	.94638	.48848	.25461
#3	.60096	.50133	.94201	.49503	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1845.0**	**3513.9**	**52692.**	**4723.0**
Stddev	2.2	7.6	23.	14.2
%RSD	.11865	.21677	.04386	.30103
#1	1847.2	3521.3	52677.	4735.3
#2	1845.1	3514.4	52719.	4726.2
#3	1842.8	3506.1	52681.	4707.4

Sample Name: 180-130105-A-11-A Acquired: 11/24/2021 15:50:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00421**	**.00488**	**.41636**	**.03398**	**.00002**
Stddev	.00023	.01414	.00109	.00193	.00022	.00012
%RSD	464.99	335.60	22.402	.46288	.63378	666.36
#1	.00021	-.00726	.00524	.41420	.03387	-.00012
#2	-.00022	.01120	.00574	.41789	.03384	.00009
#3	-.00015	-.01657	.00365	.41700	.03423	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.241**	**.00003**	**.00053**	**.00001**	**-.00187**	**.01064**
Stddev	.176	.00011	.00032	.00023	.00077	.00365
%RSD	.25455	349.97	61.108	2488.6	41.102	34.249
#1	69.169	.00015	.00090	-.00021	-.00241	.01485
#2	69.112	-.00007	.00036	.00025	-.00099	.00831
#3	69.442	.00001	.00032	-.00002	-.00221	.00877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9346**	**.01513**	**42.265**	**.00082**	**.02902**	**62.601**
Stddev	.0018	.00079	.260	.00002	.00019	.057
%RSD	.09075	5.2019	.61534	2.8392	.65296	.09079
#1	1.9359	.01603	42.095	.00083	.02923	62.625
#2	1.9353	.01457	42.135	.00080	.02899	62.536
#3	1.9326	.01478	42.564	.00084	.02885	62.641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130105-A-11-A Acquired: 11/24/2021 15:50:03 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00178**	**.00136**	**.00257**	**3.9120**	**.00137**
Stddev	.00031	.00092	.00234	.00248	.0304	.00051
%RSD	91.036	51.760	171.65	96.552	.77595	37.476
#1	.00041	.00234	-.00055	-.00024	3.8855	.00136
#2	.00061	.00229	.00397	.00350	3.9053	.00086
#3	.00000	.00072	.00067	.00446	3.9451	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **25.393**	**-.00062**	**.00298**	**.00165**	**.00052**
Stddev	.098	.00015	.00036	.00367	.00018
%RSD	.38524	23.767	12.156	221.97	35.282
#1	25.294	-.00078	.00315	.00555	.00062
#2	25.396	-.00053	.00323	-.00173	.00064
#3	25.490	-.00053	.00257	.00114	.00031
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1887.9**	**3508.7**	**52622.**	**4719.1**
Stddev	5.3	1.8	29.	19.5
%RSD	.28099	.05018	.05512	.41280
#1	1886.3	3507.6	52589.	4720.5
#2	1893.8	3510.8	52636.	4737.9
#3	1883.5	3507.8	52642.	4699.0

Sample Name: 180-130108-C-2-A Acquired: 11/24/2021 15:54:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**1.5871**	**.01062**	**.11294**	**.06520**	**.00024**
Stddev	.00028	.0356	.00121	.00048	.00030	.00003
%RSD	78.448	2.2456	11.441	.42937	.46350	12.324
#1	-.00020	1.6282	.01131	.11346	.06540	.00021
#2	-.00068	1.5637	.01133	.11250	.06485	.00026
#3	-.00019	1.5696	.00921	.11288	.06535	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.495**	**.00041**	**.00358**	**.01169**	**.03651**	**4.7731**
Stddev	.191	.00015	.00002	.00033	.00054	.0038
%RSD	.23784	36.199	.63895	2.8011	1.4901	.07992
#1	80.274	.00058	.00360	.01141	.03657	4.7692
#2	80.597	.00030	.00356	.01161	.03594	4.7769
#3	80.614	.00036	.00357	.01205	.03703	4.7732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.667**	**.03254**	**8.2142**	**.09327**	**.00983**	F **1244.6**
Stddev	.092	.00142	.0259	.00017	.00014	6.8
%RSD	.58865	4.3563	.31487	.18141	1.4159	.54703
#1	15.597	.03215	8.2088	.09320	.00993	1242.9
#2	15.632	.03135	8.1915	.09314	.00967	1238.8
#3	15.771	.03411	8.2424	.09346	.00989	1252.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-2-A Acquired: 11/24/2021 15:54:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00770**	**.01947**	**.00857**	**.00251**	**16.607**	**.00360**
Stddev	.00072	.00103	.00219	.00380	.039	.00076
%RSD	9.4073	5.2698	25.551	151.66	.23204	21.084
#1	.00852	.01828	.01102	.00317	16.608	.00361
#2	.00719	.02005	.00787	.00594	16.567	.00284
#3	.00738	.02007	.00681	-.00158	16.645	.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47757**	**.03493**	**.00134**	**.01161**	**.67604**
Stddev	.00611	.00105	.00133	.00158	.00514
%RSD	1.2802	3.0108	99.148	13.622	.76037
#1	.48455	.03412	.00130	.01286	.68193
#2	.47498	.03456	.00268	.00983	.67372
#3	.47318	.03612	.00003	.01212	.67247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1580.8**	**3261.9**	**47966.**	**4638.1**
Stddev	8.8	20.7	46.	10.9
%RSD	.55538	.63524	.09647	.23442
#1	1570.7	3238.7	47913.	4649.3
#2	1586.5	3268.4	47986.	4627.6
#3	1585.2	3278.6	48000.	4637.2

Sample Name: 180-130108-C-3-A Acquired: 11/24/2021 15:59:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.10112**	**.00433**	**.02342**	**.23181**	**.00012**
Stddev	.00037	.00424	.00442	.00061	.00203	.00006
%RSD	132.62	4.1933	102.10	2.5856	.87609	49.416
#1	.00005	.10078	.00858	.02396	.23341	.00014
#2	.00070	.10553	-.00025	.02276	.22952	.00015
#3	.00008	.09707	.00467	.02354	.23248	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**111.67**	**.00051**	**.00416**	**.00062**	**.01091**	**.28085**
Stddev	.78	.00006	.00042	.00038	.00094	.00104
%RSD	.70128	12.267	10.134	60.232	8.6257	.37059
#1	112.15	.00058	.00457	.00019	.01155	.28120
#2	110.76	.00046	.00417	.00087	.01135	.27968
#3	112.08	.00050	.00373	.00081	.00983	.28167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.274**	**.30268**	**1.8985**	**.08004**	**.00114**	F **3796.4**
Stddev	.158	.00187	.0024	.00041	.00012	98.4
%RSD	.47459	.61866	.12455	.51391	10.094	2.5915
#1	33.455	.30384	1.8961	.08024	.00128	3910.0
#2	33.165	.30052	1.8984	.08032	.00109	3738.1
#3	33.202	.30368	1.9008	.07957	.00106	3741.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3-A Acquired: 11/24/2021 15:59:25 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.00128**	**.00520**	**-.00133**	**.35754**	**.00173**
Stddev	.00108	.00108	.00213	.00476	.01507	.00040
%RSD	30.301	84.460	40.880	358.81	4.2149	22.869
#1	.00433	.00161	.00715	-.00251	.37416	.00146
#2	.00234	.00007	.00553	.00391	.34476	.00219
#3	.00408	.00216	.00293	-.00538	.35371	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.83926**	**.00226**	**-.00169**	**.00631**	**.10263**
Stddev	.01020	.00012	.00093	.00599	.00084
%RSD	1.2158	5.2627	54.874	94.842	.81872
#1	.84057	.00228	-.00204	.00835	.10333
#2	.82846	.00213	-.00064	-.00043	.10169
#3	.84874	.00236	-.00240	.01102	.10286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1178.2**	**2688.5**	**38112.**	**4103.3**
Stddev	1.6	6.0	186.	32.7
%RSD	.13886	.22158	.48784	.79652
#1	1177.6	2688.3	38001.	4073.4
#2	1177.0	2694.5	38008.	4138.2
#3	1180.1	2682.6	38327.	4098.3

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:04:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0207**	**24.672**	**.50430**	**2.0759**	**2.0258**	**2.0339**
Stddev	.0102	.047	.00257	.0062	.0051	.0052
%RSD	1.0010	.18877	.50920	.29870	.24975	.25687
#1	1.0308	24.726	.50565	2.0687	2.0316	2.0366
#2	1.0211	24.646	.50133	2.0796	2.0227	2.0371
#3	1.0103	24.644	.50590	2.0793	2.0231	2.0278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.784**	**.51160**	**2.0222**	**1.9428**	**2.0212**	**24.463**
Stddev	.089	.00125	.0007	.0157	.0161	.032
%RSD	.17867	.24464	.03574	.81000	.79602	.13056
#1	49.810	.51016	2.0214	1.9610	2.0349	24.482
#2	49.856	.51222	2.0222	1.9339	2.0251	24.426
#3	49.684	.51241	2.0228	1.9335	2.0035	24.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.89**	**2.0810**	**48.550**	**1.9599**	**1.9263**	F **101.09**
Stddev	.50	.0073	.215	.0186	.0069	.29
%RSD	.42032	.35251	.44201	.94637	.35659	.29130
#1	118.34	2.0849	48.502	1.9799	1.9184	101.21
#2	117.98	2.0726	48.785	1.9564	1.9304	101.30
#3	117.36	2.0857	48.364	1.9433	1.9302	100.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:04:14 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0464**	**.51723**	**.51132**	**.51681**	**2.0072**	**1.8695**
Stddev	.0019	.00089	.00439	.00373	.0132	.0035
%RSD	.09212	.17144	.85814	.72214	.65880	.18722
#1	2.0444	.51621	.50762	.51264	2.0105	1.8669
#2	2.0482	.51783	.51016	.51983	2.0185	1.8735
#3	2.0466	.51765	.51617	.51797	1.9927	1.8681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0224**	**2.0196**	**.95211**	**1.9934**	**1.9501**
Stddev	.0035	.0148	.00638	.0117	.0010
%RSD	.17453	.73363	.66989	.58837	.04987
#1	2.0252	2.0365	.94562	2.0029	1.9511
#2	2.0184	2.0138	.95234	1.9803	1.9502
#3	2.0235	2.0086	.95837	1.9971	1.9491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1759.3**	**3460.7**	**51039.**	**4631.7**
Stddev	.5	5.4	543.	18.7
%RSD	.02624	.15652	1.0641	.40408
#1	1759.4	3466.9	50541.	4622.9
#2	1758.8	3456.8	50958.	4618.9
#3	1759.8	3458.5	51618.	4653.2

Sample Name: CCB12 Acquired: 11/24/2021 16:08:36 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00992**	**.00012**	**.00308**	**-.00004**	**.00015**
Stddev	.00026	.02703	.00165	.00012	.00020	.00009
%RSD	1674.3	272.56	1386.5	3.9625	488.58	59.279
#1	-.00026	-.02405	-.00166	.00297	-.00022	.00025
#2	.00025	.02125	.00041	.00307	.00018	.00007
#3	.00005	-.02696	.00160	.00321	-.00008	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00441**	**.00013**	**.00009**	**.00063**	**.00069**	**-.00193**
Stddev	.00161	.00003	.00024	.00025	.00015	.00337
%RSD	36.483	23.140	250.76	39.039	21.255	175.24
#1	.00547	.00016	.00008	.00048	.00078	.00054
#2	.00520	.00010	.00034	.00092	.00052	-.00054
#3	.00256	.00014	-.00014	.00050	.00076	-.00577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71793**	**.00973**	**-.03953**	**.00002**	**.00783**	**2.2605**
Stddev	.01540	.00054	.01110	.00002	.00119	.0285
%RSD	2.1444	5.5326	28.087	93.892	15.239	1.2605
#1	.70169	.00945	-.04780	.00000	.00902	2.2864
#2	.73231	.01035	-.02691	.00003	.00784	2.2652
#3	.71981	.00939	-.04387	.00005	.00664	2.2300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB12 Acquired: 11/24/2021 16:08:36 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00046**	**.00327**	**.00062**	**.00336**	**.00404**
Stddev	.00010	.00121	.00183	.00240	.01250	.00078
%RSD	47.589	261.46	55.846	389.19	372.02	19.399
#1	.00026	-.00044	.00235	.00120	.01493	.00390
#2	.00009	-.00000	.00209	-.00202	-.00990	.00488
#3	.00026	.00183	.00537	.00267	.00504	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00030**	**.00109**	**-.00264**	**.00005**
Stddev	.00719	.00013	.00047	.00312	.00005
%RSD	947.73	44.323	43.335	117.93	97.698
#1	-.00868	.00030	.00055	-.00618	-.00001
#2	.00535	.00016	.00128	-.00146	.00008
#3	.00106	.00043	.00145	-.00029	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2067.6**	**3654.8**	**54737.**	**4670.2**
Stddev	2.5	4.6	128.	17.9
%RSD	.12031	.12538	.23416	.38297
#1	2069.6	3658.8	54612.	4655.6
#2	2064.8	3655.8	54869.	4690.1
#3	2068.5	3649.8	54731.	4664.8

Sample Name: 180-130108-C-3A SD@5 Acquired: 11/24/2021 16:13:19 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.02307**	**.00199**	**.00647**	**.04594**	**.00010**
Stddev	.00042	.01431	.00189	.00049	.00025	.00008
%RSD	177.82	62.000	95.131	7.4961	.53534	78.919
#1	-.00013	.03939	.00338	.00649	.04591	.00002
#2	.00012	.01267	.00274	.00695	.04572	.00019
#3	-.00070	.01716	-.00016	.00598	.04621	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.118**	**.00017**	**.00240**	**-.00027**	**-.00114**	**.05971**
Stddev	.132	.00009	.00007	.00045	.00095	.00277
%RSD	.57116	53.131	2.9562	168.22	82.857	4.6343
#1	23.196	.00008	.00244	-.00046	-.00179	.05678
#2	22.966	.00026	.00245	-.00058	-.00158	.06228
#3	23.193	.00017	.00232	.00025	-.00006	.06005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1117**	**.04356**	**.39275**	**.01631**	**.00247**	F **1699.7**
Stddev	.1024	.00172	.04126	.00006	.00019	18.3
%RSD	2.4912	3.9395	10.506	.36645	7.5343	1.0758
#1	4.0929	.04262	.42244	.01637	.00268	1720.4
#2	4.0200	.04252	.34564	.01632	.00240	1693.1
#3	4.2222	.04554	.41019	.01625	.00232	1685.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3A SD@5 Acquired: 11/24/2021 16:13:19 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00044**	**.00351**	**.00073**	**.06833**	**.00131**
Stddev	.00054	.00255	.00190	.00065	.00506	.00064
%RSD	43.963	577.04	54.131	88.854	7.4119	48.842
#1	.00080	-.00045	.00338	.00001	.07297	.00175
#2	.00106	-.00298	.00168	.00091	.06909	.00160
#3	.00184	.00211	.00547	.00128	.06293	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17901**	**.00055**	**-.00188**	**.00521**	**.02105**
Stddev	.00706	.00031	.00256	.00303	.00024
%RSD	3.9437	56.787	136.10	58.184	1.1230
#1	.18443	.00090	-.00430	.00465	.02078
#2	.17103	.00041	-.00213	.00249	.02114
#3	.18158	.00033	.00080	.00848	.02123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1517.1**	**3135.2**	**45206.**	**4460.1**
Stddev	1.5	.7	158.	35.9
%RSD	.09970	.02386	.35053	.80451
#1	1518.6	3136.1	45024.	4418.7
#2	1515.5	3134.7	45309.	4481.0
#3	1517.2	3135.0	45286.	4480.7

Sample Name: 180-130108-A-3-A MS Acquired: 11/24/2021 16:18:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33980**	**5.4378**	**1.2688**	**1.4454**	**1.2358**	**.50150**
Stddev	.00247	.1041	.0111	.0112	.0153	.00862
%RSD	.72569	1.9136	.87626	.77347	1.2361	1.7181
#1	.34238	5.4688	1.2783	1.4568	1.2435	.50624
#2	.33954	5.5229	1.2565	1.4344	1.2457	.50670
#3	.33747	5.3218	1.2715	1.4450	1.2182	.49155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.73**	**.64860**	**.54080**	**.46022**	**.60526**	**5.2033**
Stddev	2.60	.00485	.00320	.00484	.00400	.0933
%RSD	2.0367	.74833	.59216	1.0516	.66102	1.7937
#1	129.73	.65323	.54367	.46580	.60987	5.2646
#2	128.67	.64355	.53735	.45722	.60324	5.2494
#3	124.79	.64902	.54139	.45764	.60267	5.0959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**60.541**	**.93498**	**25.104**	**.54431**	**.44565**	F **3503.0**
Stddev	.553	.01054	.559	.00327	.00277	148.4
%RSD	.91358	1.1275	2.2253	.60062	.62102	4.2348
#1	60.738	.94116	25.554	.54796	.44782	3654.3
#2	60.968	.94097	25.279	.54165	.44253	3496.8
#3	59.916	.92281	24.478	.54333	.44659	3357.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3-A MS Acquired: 11/24/2021 16:18:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53429**	**.54115**	**.28608**	**1.2564**	**1.6277**	**.85001**
Stddev	.00298	.00444	.00391	.0086	.0434	.00665
%RSD	.55837	.82028	1.3678	.68780	2.6675	.78258
#1	.53766	.54624	.29059	1.2633	1.6555	.85731
#2	.53320	.53910	.28362	1.2467	1.6499	.84842
#3	.53200	.53811	.28403	1.2591	1.5776	.84430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2652**	**.49880**	**.90972**	**.50477**	**.34623**
Stddev	.0259	.00324	.00447	.00700	.00290
%RSD	2.0450	.64873	.49140	1.3868	.83763
#1	1.2863	.50240	.91309	.51201	.34958
#2	1.2730	.49614	.90465	.50426	.34442
#3	1.2363	.49786	.91141	.49804	.34471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1168.8**	**2705.9**	**39765.**	**4190.2**
Stddev	6.7	18.4	287.	126.2
%RSD	.56919	.68101	.72125	3.0116
#1	1161.3	2684.8	39445.	4095.0
#2	1173.9	2718.7	39999.	4142.4
#3	1171.2	2714.1	39853.	4333.3

Sample Name: 180-130108-A-3-B MSD Acquired: 11/24/2021 16:22:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34344**	**5.3237**	**1.2696**	**1.4414**	**1.2253**	**.48700**
Stddev	.00256	.0125	.0050	.0058	.0044	.00102
%RSD	.74664	.23418	.39419	.40491	.35668	.21014
#1	.34494	5.3292	1.2749	1.4480	1.2268	.48635
#2	.34048	5.3324	1.2689	1.4393	1.2204	.48818
#3	.34490	5.3094	1.2650	1.4369	1.2287	.48648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.92**	**.65289**	**.53140**	**.45952**	**.61175**	**5.1026**
Stddev	.28	.00312	.00128	.00449	.00566	.0044
%RSD	.21898	.47841	.24162	.97746	.92479	.08627
#1	127.62	.65638	.53008	.45622	.61223	5.0976
#2	128.18	.65194	.53265	.46464	.60587	5.1049
#3	127.96	.65036	.53146	.45771	.61716	5.1054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**63.039**	**.91228**	**24.183**	**.54747**	**.44418**	F **3012.3**
Stddev	.434	.00328	.142	.00263	.00144	49.6
%RSD	.68912	.35986	.58864	.48031	.32370	1.6456
#1	62.544	.91423	24.211	.54645	.44379	3005.9
#2	63.215	.90849	24.309	.55045	.44578	3064.7
#3	63.358	.91412	24.029	.54550	.44298	2966.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3-B MSD Acquired: 11/24/2021 16:22:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52364**	**.52879**	**.28779**	**1.2551**	**1.6777**	**.83855**
Stddev	.00098	.00378	.00224	.0066	.0112	.00292
%RSD	.18695	.71478	.77924	.52593	.66607	.34867
#1	.52471	.52459	.29032	1.2606	1.6708	.83554
#2	.52279	.52990	.28605	1.2570	1.6906	.84138
#3	.52342	.53190	.28701	1.2478	1.6718	.83873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2544**	**.49712**	**.89898**	**.48496**	**.34391**
Stddev	.0061	.00218	.00367	.00403	.00102
%RSD	.48313	.43834	.40843	.83148	.29534
#1	1.2505	.49704	.89590	.48037	.34307
#2	1.2513	.49934	.90304	.48655	.34504
#3	1.2614	.49499	.89800	.48795	.34363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1170.1**	**2703.2**	**39426.**	**4370.9**
Stddev	5.5	15.9	130.	21.8
%RSD	.46829	.58863	.33049	.49765
#1	1164.6	2686.1	39319.	4369.7
#2	1170.3	2706.0	39388.	4349.7
#3	1175.5	2717.5	39571.	4393.2

Sample Name: 180-130108-C-4-A Acquired: 11/24/2021 16:27:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**2.3677**	**.01338**	**.04961**	**.39355**	**.00051**
Stddev	.00065	.0377	.00221	.00115	.00054	.00018
%RSD	147.78	1.5938	16.543	2.3263	.13682	34.768
#1	.00005	2.4021	.01377	.04999	.39387	.00036
#2	.00119	2.3736	.01100	.04832	.39292	.00071
#3	.00008	2.3273	.01537	.05053	.39384	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**272.55**	**.00235**	**.00586**	**.01054**	**.05323**	**6.5194**
Stddev	3.85	.00028	.00054	.00062	.00083	.1136
%RSD	1.4119	12.114	9.1790	5.8394	1.5585	1.7426
#1	270.94	.00267	.00524	.00984	.05228	6.4930
#2	276.94	.00214	.00612	.01099	.05379	6.6439
#3	269.77	.00224	.00622	.01080	.05363	6.4213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.615**	**.44852**	**24.033**	**.46055**	**.00360**	F **2952.9**
Stddev	1.489	.00341	.418	.00346	.00075	60.9
%RSD	2.2027	.76080	1.7398	.75033	20.895	2.0636
#1	65.895	.44606	23.874	.46439	.00435	2971.0
#2	68.489	.45241	24.507	.45769	.00360	3002.8
#3	68.460	.44708	23.717	.45957	.00284	2885.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A Acquired: 11/24/2021 16:27:08 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01526**	**.04552**	**.00588**	**.00777**	**3.0039**	**.00557**
Stddev	.00074	.00242	.00226	.00714	.0415	.00072
%RSD	4.8445	5.3195	38.540	91.893	1.3804	13.010
#1	.01593	.04821	.00734	.01597	2.9771	.00635
#2	.01539	.04482	.00327	.00289	3.0516	.00543
#3	.01447	.04353	.00702	.00445	2.9829	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3695**	**.03668**	**.00101**	**.00867**	**1.4535**
Stddev	.0190	.00271	.00247	.00241	.0226
%RSD	1.3875	7.3993	244.06	27.811	1.5514
#1	1.3681	.03980	.00355	.01127	1.4670
#2	1.3892	.03494	.00086	.00651	1.4660
#3	1.3513	.03529	-.00137	.00823	1.4275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1023.7**	**2468.8**	**35512.**	**4159.4**
Stddev	14.4	40.6	296.	67.9
%RSD	1.4070	1.6444	.83477	1.6330
#1	1010.6	2430.8	35843.	4187.8
#2	1039.1	2511.6	35421.	4081.9
#3	1021.3	2464.0	35271.	4208.6

Sample Name: 180-130136-A-1-A Acquired: 11/24/2021 16:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**3.6883**	**.00284**	**.01860**	**.02846**	**-.00002**
Stddev	.00024	.0257	.00083	.00091	.00014	.00002
%RSD	196.66	.69626	29.334	4.8848	.50178	79.954
#1	.00012	3.7005	.00202	.01896	.02829	-.00000
#2	-.00012	3.6587	.00281	.01757	.02854	-.00003
#3	-.00036	3.7055	.00369	.01928	.02854	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7773**	**.00015**	**.00031**	**.00208**	**.01274**	**.21945**
Stddev	.0315	.00013	.00017	.00018	.00032	.00457
%RSD	.40468	86.041	55.230	8.5824	2.4760	2.0836
#1	7.7593	.00018	.00016	.00215	.01252	.21444
#2	7.7590	.00026	.00028	.00221	.01310	.22339
#3	7.8137	.00001	.00049	.00187	.01259	.22051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2756**	**.01587**	**2.2206**	**.05507**	**1.0997**	**82.634**
Stddev	.0557	.00133	.0510	.00015	.0101	.340
%RSD	1.0566	8.3778	2.2968	.27650	.92254	.41174
#1	5.3022	.01735	2.1726	.05523	1.1011	82.304
#2	5.3132	.01478	2.2149	.05493	1.0889	82.983
#3	5.2116	.01549	2.2742	.05504	1.1090	82.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130136-A-1-A Acquired: 11/24/2021 16:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00122**	**.00298**	**-.00235**	**5.6807**	**.00237**
Stddev	.00029	.00132	.00064	.00079	.0466	.00073
%RSD	31.620	107.62	21.528	33.489	.81945	30.646
#1	.00068	.00111	.00227	-.00210	5.6494	.00180
#2	.00083	-.00003	.00352	-.00323	5.6585	.00318
#3	.00124	.00259	.00315	-.00171	5.7342	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02433**	**.00100**	**.00289**	**.00172**	**.00773**
Stddev	.00613	.00007	.00065	.00046	.00022
%RSD	25.182	6.6642	22.517	26.852	2.8897
#1	.02209	.00094	.00214	.00225	.00792
#2	.03126	.00100	.00329	.00138	.00778
#3	.01963	.00107	.00325	.00155	.00748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1967.2**	**3670.9**	**56144.**	**5235.5**
Stddev	10.7	22.8	129.	46.6
%RSD	.54196	.62102	.22971	.88913
#1	1967.8	3668.4	56006.	5264.2
#2	1977.5	3694.9	56262.	5260.6
#3	1956.2	3649.5	56163.	5181.8

Sample Name: 180-130279-F-1-A Acquired: 11/24/2021 16:36:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.32962**	**.00403**	**.05568**	**.50002**	**.00013**
Stddev	.00022	.02469	.00094	.00085	.00173	.00003
%RSD	101.18	7.4914	23.375	1.5284	.34533	25.152
#1	-.00046	.32468	.00464	.05665	.49998	.00010
#2	-.00018	.35640	.00295	.05531	.50176	.00014
#3	-.00002	.30776	.00451	.05508	.49831	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.819**	**.00018**	**.00051**	**.00050**	**.00878**	**.41480**
Stddev	.154	.00005	.00019	.00026	.00029	.00323
%RSD	.44207	29.662	37.385	51.810	3.3558	.77840
#1	34.977	.00017	.00029	.00036	.00847	.41839
#2	34.811	.00024	.00061	.00033	.00905	.41385
#3	34.669	.00014	.00063	.00080	.00882	.41215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3777**	**.02617**	**5.8549**	**.02871**	**.01044**	**24.837**
Stddev	.0741	.00139	.0204	.00003	.00101	.450
%RSD	1.3781	5.3283	.34851	.10981	9.6480	1.8101
#1	5.4321	.02778	5.8676	.02867	.01155	25.196
#2	5.4077	.02536	5.8658	.02872	.01019	24.981
#3	5.2933	.02537	5.8314	.02873	.00958	24.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130279-F-1-A Acquired: 11/24/2021 16:36:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**.00165**	**.00417**	**-.00321**	**2.6099**	**.00056**
Stddev	.00057	.00100	.00081	.00167	.0416	.00061
%RSD	30.240	60.784	19.394	52.102	1.5922	108.03
#1	.00124	.00277	.00410	-.00174	2.6541	.00119
#2	.00234	.00135	.00340	-.00502	2.6040	.00052
#3	.00204	.00083	.00501	-.00286	2.5716	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34295**	**.00577**	**.00268**	**.00172**	**.01597**
Stddev	.00492	.00011	.00041	.00331	.00019
%RSD	1.4348	1.8847	15.479	192.82	1.1763
#1	.33847	.00576	.00304	.00081	.01612
#2	.34822	.00567	.00277	.00538	.01605
#3	.34216	.00588	.00222	-.00104	.01576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2055.0**	**3658.5**	**57161.**	**5329.5**
Stddev	3.3	6.9	320.	39.9
%RSD	.16108	.18743	.55962	.74877
#1	2051.8	3652.4	57034.	5286.5
#2	2054.8	3657.3	57525.	5336.8
#3	2058.4	3665.9	56925.	5365.3

Sample Name: MB 180-379972/1-A Acquired: 11/24/2021 16:41:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00474**	**-.00059**	**.00077**	**-.00025**	**.00001**
Stddev	.00021	.00766	.00174	.00012	.00006	.00002
%RSD	1202.8	161.73	294.70	15.695	25.537	234.21
#1	.00014	.00176	.00012	.00087	-.00018	-.00001
#2	-.00022	-.01318	.00068	.00080	-.00029	.00004
#3	.00013	-.00279	-.00258	.00064	-.00029	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**.00017**	**.00010**	**.00026**	**.00090**	**.00155**
Stddev	.00413	.00015	.00002	.00014	.00017	.00267
%RSD	52.017	84.573	23.499	53.755	18.754	171.82
#1	.01030	.00003	.00008	.00010	.00076	-.00139
#2	.00317	.00032	.00009	.00030	.00109	.00382
#3	.01034	.00018	.00013	.00037	.00085	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3597**	**.00910**	**.00681**	**.00001**	**.00278**	F **5.8669**
Stddev	.0334	.00111	.02392	.00003	.00041	.1597
%RSD	2.4555	12.150	350.97	264.23	14.678	2.7226
#1	1.3831	.00989	.00668	.00000	.00310	6.0018
#2	1.3215	.00784	.03080	-.00001	.00293	5.9085
#3	1.3745	.00958	-.01703	.00004	.00232	5.6905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: MB 180-379972/1-A Acquired: 11/24/2021 16:41:10 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00020**	**.00312**	**-.00292**	**.01196**	**.00189**
Stddev	.00015	.00109	.00070	.00213	.00839	.00015
%RSD	37.134	540.89	22.303	72.859	70.149	7.7920
#1	-.00036	-.00091	.00294	-.00254	.02105	.00200
#2	-.00057	-.00075	.00254	-.00522	.00451	.00172
#3	-.00028	.00106	.00389	-.00101	.01033	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00002**	**.00081**	**.00470**	**-.00037**
Stddev	.00904	.00016	.00088	.00230	.00020
%RSD	1374.9	988.15	109.31	48.992	54.027
#1	.00914	-.00009	.00060	.00736	-.00027
#2	-.00866	-.00012	.00177	.00332	-.00060
#3	-.00245	.00017	.00005	.00342	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2168.3**	**3778.5**	**59279.**	**5318.8**
Stddev	5.0	19.1	165.	55.6
%RSD	.23043	.50527	.27869	1.0448
#1	2173.6	3800.6	59090.	5277.6
#2	2163.6	3766.8	59393.	5296.8
#3	2167.8	3768.2	59354.	5382.0

Sample Name: LCS 180-379972/2-A Acquired: 11/24/2021 16:45:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25163**	**4.9937**	**1.0935**	**1.4139**	**1.0564**	**.52052**
Stddev	.00087	.0260	.0012	.0012	.0022	.00216
%RSD	.34661	.52042	.10504	.08149	.21095	.41467
#1	.25104	5.0225	1.0924	1.4129	1.0579	.52217
#2	.25122	4.9864	1.0947	1.4137	1.0575	.52131
#3	.25263	4.9721	1.0933	1.4152	1.0539	.51807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.666**	**.53323**	**.50273**	**.49000**	**.52595**	**4.9263**
Stddev	.090	.00100	.00059	.00146	.00217	.0383
%RSD	.36367	.18718	.11726	.29773	.41342	.77771
#1	24.747	.53271	.50336	.49160	.52599	4.9345
#2	24.681	.53259	.50263	.48874	.52375	4.9598
#3	24.569	.53438	.50219	.48967	.52810	4.8845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.164**	**.54161**	**23.824**	**.49452**	**.48994**	**24.063**
Stddev	.109	.00180	.107	.00050	.00325	.127
%RSD	.43442	.33234	.44816	.10047	.66265	.52683
#1	25.247	.54365	23.926	.49503	.48726	24.067
#2	25.204	.54091	23.833	.49404	.48901	24.188
#3	25.040	.54026	23.713	.49449	.49355	23.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379972/2-A Acquired: 11/24/2021 16:45:51 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50449**	**.50471**	**.26006**	**1.1255**	**1.0542**	**.97607**
Stddev	.00107	.00136	.00236	.0041	.0134	.00127
%RSD	.21247	.27019	.90624	.36174	1.2681	.13017
#1	.50567	.50525	.26102	1.1209	1.0393	.97750
#2	.50424	.50316	.26177	1.1286	1.0584	.97506
#3	.50357	.50572	.25737	1.1271	1.0650	.97565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.50506**	**.52388**	**.98711**	**.51070**	**.24512**
Stddev	.00685	.00147	.00210	.00573	.00018
%RSD	1.3569	.28151	.21236	1.1220	.07263
#1	.50800	.52547	.98946	.51390	.24511
#2	.50995	.52362	.98543	.50409	.24495
#3	.49723	.52256	.98644	.51412	.24531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.9**	**3690.2**	**57358.**	**5360.2**
Stddev	2.7	6.0	131.	4.9
%RSD	.13393	.16382	.22829	.09173
#1	2012.5	3695.1	57281.	5357.3
#2	2010.5	3683.4	57510.	5357.4
#3	2015.8	3692.2	57285.	5365.9

Sample Name: 180-130108-C-5-A Acquired: 11/24/2021 16:50:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.10224**	**.00566**	**.07233**	**.04714**	**.00001**
Stddev	.00067	.02576	.00070	.00020	.00026	.00010
%RSD	272.74	25.194	12.429	.27469	.54251	713.40
#1	-.00085	.08984	.00509	.07244	.04718	.00007
#2	-.00038	.08503	.00546	.07211	.04687	-.00010
#3	.00048	.13185	.00645	.07246	.04737	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.125**	**.00038**	**.00062**	**.00150**	**.00692**	**.12530**
Stddev	.317	.00007	.00013	.00026	.00022	.00418
%RSD	.58515	18.427	20.794	17.263	3.2002	3.3383
#1	54.286	.00037	.00052	.00168	.00705	.12078
#2	53.760	.00032	.00076	.00160	.00705	.12608
#3	54.329	.00046	.00058	.00120	.00667	.12903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8975**	**.01225**	**10.145**	**.00294**	**.01023**	**165.02**
Stddev	.0925	.00090	.058	.00006	.00101	1.55
%RSD	.93513	7.3699	.57165	2.0983	9.8653	.93975
#1	9.8693	.01305	10.173	.00300	.01133	165.11
#2	9.8223	.01127	10.078	.00288	.01003	163.43
#3	10.001	.01244	10.184	.00292	.00934	166.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-A Acquired: 11/24/2021 16:50:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00074**	**.00410**	**.00548**	**7.4988**	**.00275**
Stddev	.00066	.00013	.00154	.00177	.0443	.00076
%RSD	592.74	18.067	37.566	32.356	.59114	27.543
#1	-.00003	.00069	.00407	.00492	7.5059	.00254
#2	-.00047	.00089	.00257	.00406	7.4513	.00359
#3	.00083	.00064	.00566	.00747	7.5391	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.52629**	**.00260**	**.00286**	**.00562**	**.00451**
Stddev	.00467	.00015	.00262	.00102	.00012
%RSD	.88771	5.8009	91.558	18.217	2.6773
#1	.52171	.00243	.00148	.00534	.00451
#2	.53105	.00266	.00122	.00676	.00439
#3	.52611	.00271	.00588	.00477	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1898.8**	**3561.4**	**55177.**	**5246.9**
Stddev	6.0	7.5	163.	42.7
%RSD	.31623	.21100	.29581	.81328
#1	1905.8	3570.1	54990.	5260.4
#2	1895.1	3557.6	55292.	5281.1
#3	1895.6	3556.5	55248.	5199.1

Sample Name: 180-130108-C-5A SD@5 Acquired: 11/24/2021 16:54:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.02296**	**.00121**	**.01349**	**.00892**	**-.00002**
Stddev	.00026	.01973	.00313	.00039	.00022	.00010
%RSD	87.889	85.949	257.59	2.8629	2.4657	447.40
#1	.00048	.00718	-.00223	.01370	.00907	-.00012
#2	-.00000	.04508	.00199	.01373	.00901	-.00004
#3	.00041	.01662	.00388	.01305	.00867	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.542**	**.00014**	**.00005**	**.00073**	**.00178**	**.02380**
Stddev	.056	.00019	.00014	.00026	.00056	.00424
%RSD	.52969	135.87	295.15	35.935	31.478	17.822
#1	10.478	.00029	.00019	.00094	.00239	.02819
#2	10.564	.00019	.00001	.00082	.00129	.02348
#3	10.583	-.00007	-.00007	.00044	.00166	.01973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4748**	**.00770**	**1.9485**	**.00058**	**.00342**	**33.922**
Stddev	.0179	.00187	.0302	.00003	.00006	.189
%RSD	.72158	24.246	1.5518	5.6529	1.8345	.55721
#1	2.4813	.00558	1.9526	.00061	.00341	33.716
#2	2.4885	.00839	1.9765	.00055	.00348	33.960
#3	2.4546	.00912	1.9164	.00057	.00336	34.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5A SD@5 Acquired: 11/24/2021 16:54:52 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00017**	**.00251**	**-.00177**	**1.4419**	**.00082**
Stddev	.00021	.00088	.00085	.00384	.0215	.00050
%RSD	39.940	530.54	33.730	216.62	1.4939	60.547
#1	-.00060	.00063	.00174	.00266	1.4198	.00131
#2	-.00028	.00071	.00238	-.00415	1.4628	.00085
#3	-.00067	-.00085	.00342	-.00382	1.4433	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10136**	**.00054**	**.00074**	**.00121**	**.00067**
Stddev	.00382	.00014	.00027	.00236	.00014
%RSD	3.7728	24.968	36.347	195.28	20.153
#1	.10568	.00045	.00049	-.00082	.00055
#2	.09841	.00048	.00102	.00380	.00082
#3	.09999	.00070	.00070	.00064	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2085.3**	**3717.4**	**57460.**	**5313.8**
Stddev	6.2	10.7	9.	48.0
%RSD	.29505	.28784	.01545	.90355
#1	2080.7	3707.6	57458.	5369.2
#2	2082.9	3715.7	57470.	5284.1
#3	2092.3	3728.8	57452.	5288.0

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:59:33 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97618**	**23.708**	**.51413**	**2.1196**	**1.9847**	**1.9445**
Stddev	.00133	.054	.01753	.0488	.0037	.0053
%RSD	.13659	.22739	3.4093	2.3012	.18715	.27329
#1	.97733	23.646	.49393	2.0643	1.9810	1.9386
#2	.97651	23.741	.52536	2.1566	1.9846	1.9489
#3	.97472	23.737	.52310	2.1378	1.9884	1.9459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.768**	**.51277**	**2.0145**	**1.8313**	**1.9825**	**23.381**
Stddev	.190	.01206	.0461	.0034	.0047	.086
%RSD	.40719	2.3522	2.2867	.18447	.23540	.36657
#1	46.549	.49935	1.9622	1.8308	1.9878	23.303
#2	46.879	.52269	2.0489	1.8350	1.9806	23.473
#3	46.878	.51628	2.0324	1.8283	1.9791	23.368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.35**	**2.0610**	**45.457**	**1.8421**	**1.9725**	F **103.22**
Stddev	.46	.0040	.245	.0043	.0499	.70
%RSD	.39385	.19435	.53842	.23225	2.5312	.68268
#1	115.93	2.0612	45.181	1.8440	1.9155	102.88
#2	116.84	2.0570	45.650	1.8450	2.0084	104.03
#3	116.28	2.0650	45.539	1.8372	1.9936	102.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/24/2021 16:59:33 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0153**	**.50062**	**.52724**	**.52653**	**1.8758**	**1.8793**
Stddev	.0455	.01508	.01334	.01140	.0164	.0440
%RSD	2.2580	3.0113	2.5300	2.1653	.87257	2.3403
#1	1.9638	.48329	.51238	.51344	1.8635	1.8294
#2	2.0501	.51071	.53817	.53422	1.8943	1.9124
#3	2.0319	.50787	.53117	.53195	1.8695	1.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8922**	**1.9448**	**.95892**	**1.9339**	**1.8824**
Stddev	.0100	.0010	.02052	.0106	.0435
%RSD	.52949	.05415	2.1399	.55037	2.3133
#1	1.8809	1.9441	.93552	1.9342	1.8329
#2	1.8999	1.9460	.97383	1.9231	1.9150
#3	1.8959	1.9443	.96742	1.9444	1.8992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1807.6**	**3524.8**	**55655.**	**5291.4**
Stddev	34.3	68.0	152.	36.6
%RSD	1.8951	1.9289	.27295	.69250
#1	1846.5	3601.8	55565.	5332.7
#2	1782.0	3473.1	55569.	5262.8
#3	1794.3	3499.6	55830.	5278.9

Sample Name: CCB13 Acquired: 11/24/2021 17:03:55 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.01970**	**-.00092**	**.00180**	**-.00007**	**.00009**
Stddev	.00012	.00598	.00062	.00010	.00026	.00005
%RSD	46.763	30.328	67.684	5.3492	377.51	56.007
#1	.00036	-.02278	-.00087	.00182	-.00036	.00013
#2	.00030	-.02352	-.00157	.00188	.00005	.00003
#3	.00012	-.01282	-.00033	.00169	.00011	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.00014**	**.00023**	**.00025**	**.00151**	**.00072**
Stddev	.00311	.00007	.00015	.00015	.00038	.00275
%RSD	390.08	47.668	64.804	58.175	25.232	381.69
#1	.00226	.00007	.00027	.00035	.00141	.00388
#2	-.00395	.00014	.00006	.00008	.00119	-.00109
#3	-.00070	.00021	.00035	.00033	.00193	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67345**	**.00735**	**-.03267**	**-.00000**	**.00841**	**2.2019**
Stddev	.01643	.00036	.01666	.00001	.00121	.0207
%RSD	2.4403	4.8862	51.000	210.06	14.411	.93774
#1	.67940	.00776	-.01845	-.00001	.00964	2.2209
#2	.68607	.00708	-.02855	.00001	.00836	2.2050
#3	.65486	.00722	-.05100	-.00001	.00722	2.1799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB13 Acquired: 11/24/2021 17:03:55 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00048**	**.00355**	**.00069**	**-.00458**	**.00262**
Stddev	.00039	.00110	.00107	.00176	.00602	.00041
%RSD	151.40	230.24	30.243	254.88	131.54	15.814
#1	-.00065	-.00165	.00245	.00107	.00069	.00307
#2	-.00024	.00055	.00361	-.00123	-.01114	.00225
#3	.00013	-.00034	.00459	.00222	-.00328	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	**.00021**	**.00129**	**.00446**	**-.00003**
Stddev	.00363	.00011	.00114	.00717	.00008
%RSD	132.64	50.814	88.512	160.74	308.44
#1	.00665	.00009	.00065	.00682	.00001
#2	-.00051	.00030	.00260	.01016	.00003
#3	.00206	.00023	.00061	-.00359	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2213.2**	**3860.9**	**60062.**	**5403.0**
Stddev	1.8	2.8	401.	30.4
%RSD	.08071	.07172	.66829	.56355
#1	2215.1	3861.7	60494.	5368.0
#2	2212.9	3857.8	59702.	5417.1
#3	2211.5	3863.1	59989.	5423.8

Sample Name: 180-130108-C-5-B MS Acquired: 11/24/2021 17:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25684**	**5.2068**	**1.1280**	**1.5163**	**1.0923**	**.51636**
Stddev	.00084	.0517	.0031	.0027	.0027	.00161
%RSD	.32803	.99370	.27137	.17481	.24394	.31260
#1	.25781	5.2189	1.1252	1.5141	1.0937	.51682
#2	.25637	5.1501	1.1276	1.5156	1.0893	.51457
#3	.25633	5.2515	1.1313	1.5193	1.0940	.51769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.368**	**.53634**	**.52271**	**.48984**	**.53924**	**5.0869**
Stddev	.159	.00011	.00186	.00166	.00105	.0242
%RSD	.19814	.02117	.35565	.33928	.19556	.47520
#1	80.542	.53636	.52392	.49171	.53988	5.0913
#2	80.229	.53644	.52057	.48854	.53802	5.0608
#3	80.334	.53621	.52365	.48927	.53981	5.1085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.207**	**.56089**	**34.293**	**.49207**	**.50451**	**200.85**
Stddev	.243	.00144	.226	.00246	.00192	1.50
%RSD	.69039	.25705	.65787	.49931	.38055	.74627
#1	35.219	.56253	34.380	.49437	.50230	199.59
#2	34.958	.55983	34.037	.48948	.50579	200.44
#3	35.444	.56030	34.462	.49235	.50543	202.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-B MS Acquired: 11/24/2021 17:08:38 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51409**	**.50450**	**.26844**	**1.1236**	**8.9774**	**.97724**
Stddev	.00150	.00450	.00090	.0028	.0529	.00081
%RSD	.29112	.89157	.33358	.25046	.58900	.08301
#1	.51451	.50186	.26747	1.1268	9.0219	.97712
#2	.51243	.50196	.26923	1.1226	8.9189	.97649
#3	.51533	.50970	.26864	1.1215	8.9913	.97810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**.52309**	**.98133**	**.51759**	**.25037**
Stddev	.0024	.00165	.00599	.00223	.00082
%RSD	.22786	.31459	.61011	.43148	.32698
#1	1.0301	.52470	.98613	.51837	.25131
#2	1.0331	.52141	.97462	.51507	.24982
#3	1.0348	.52315	.98324	.51933	.24999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1831.7**	**3547.1**	**54955.**	**5275.1**
Stddev	3.9	2.1	194.	23.4
%RSD	.21190	.05992	.35297	.44386
#1	1831.1	3549.5	54853.	5265.0
#2	1835.9	3546.4	55179.	5301.8
#3	1828.2	3545.5	54834.	5258.4

Sample Name: 180-130108-C-5-C MSD Acquired: 11/24/2021 17:13:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26606**	**5.4095**	**1.1489**	**1.5323**	**1.1140**	**.52785**
Stddev	.00246	.0193	.0058	.0061	.0047	.00334
%RSD	.92385	.35700	.50682	.40094	.42020	.63182
#1	.26578	5.4296	1.1524	1.5354	1.1120	.52948
#2	.26376	5.4077	1.1522	1.5362	1.1193	.53006
#3	.26865	5.3911	1.1422	1.5252	1.1105	.52401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.568**	**.54889**	**.53611**	**.49970**	**.55567**	**5.2169**
Stddev	.506	.00150	.00185	.00537	.00685	.0398
%RSD	.62814	.27372	.34427	1.0746	1.2325	.76319
#1	81.017	.54932	.53568	.50092	.55133	5.2390
#2	80.667	.55014	.53813	.49382	.55211	5.2408
#3	80.020	.54722	.53451	.50435	.56356	5.1709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.941**	**.57481**	**34.785**	**.50295**	**.52067**	**202.76**
Stddev	.226	.00164	.272	.00543	.00150	2.48
%RSD	.62786	.28542	.78271	1.0805	.28816	1.2243
#1	35.987	.57348	34.987	.50113	.52004	204.97
#2	36.141	.57664	34.893	.49866	.52239	203.22
#3	35.696	.57431	34.476	.50906	.51959	200.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-5-C MSD Acquired: 11/24/2021 17:13:04 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52598**	**.51804**	**.27348**	**1.1476**	**9.0604**	**.99992**
Stddev	.00161	.00325	.00299	.0020	.0683	.00481
%RSD	.30526	.62710	1.0951	.17386	.75375	.48133
#1	.52664	.51938	.27618	1.1498	9.1277	1.0018
#2	.52715	.52041	.27399	1.1459	9.0624	1.0035
#3	.52415	.51434	.27026	1.1472	8.9912	.99445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**.53287**	**1.0108**	**.52432**	**.25304**
Stddev	.0028	.00517	.0053	.00280	.00043
%RSD	.27227	.96980	.52725	.53312	.17052
#1	1.0414	.53112	1.0105	.52736	.25309
#2	1.0435	.52880	1.0163	.52187	.25344
#3	1.0379	.53868	1.0057	.52373	.25258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.9**	**3526.7**	**54651.**	**5268.8**
Stddev	6.3	6.9	546.	51.6
%RSD	.34595	.19501	.99996	.97929
#1	1820.3	3524.0	54879.	5214.1
#2	1814.9	3521.5	55047.	5275.8
#3	1827.4	3534.5	54028.	5316.6

Sample Name: 180-130108-C-6-A Acquired: 11/24/2021 17:17:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.17458**	**.00599**	**.05226**	**.06479**	**.00005**
Stddev	.00046	.01729	.00110	.00163	.00193	.00019
%RSD	4962.1	9.9051	18.417	3.1150	2.9792	408.61
#1	-.00041	.15610	.00691	.05137	.06356	-.00009
#2	-.00012	.19037	.00477	.05414	.06701	.00026
#3	.00050	.17727	.00629	.05127	.06380	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.567**	**.00015**	**.00112**	**.00306**	**.00645**	**.04342**
Stddev	2.173	.00013	.00019	.00021	.00041	.00485
%RSD	3.6473	85.574	16.742	6.7759	6.3741	11.165
#1	57.953	.00003	.00106	.00329	.00618	.03897
#2	62.037	.00028	.00134	.00298	.00624	.04858
#3	58.711	.00014	.00098	.00290	.00692	.04270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.194**	**.01809**	**6.0589**	**.00253**	**.01391**	**412.26**
Stddev	.572	.00165	.2482	.00005	.00114	11.13
%RSD	3.3248	9.1022	4.0970	1.8766	8.1634	2.7001
#1	16.702	.01728	5.8413	.00257	.01427	402.18
#2	17.821	.01999	6.3293	.00256	.01482	424.20
#3	17.060	.01702	6.0061	.00248	.01263	410.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-6-A Acquired: 11/24/2021 17:17:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00015**	**.00310**	**.00728**	**7.7011**	**.00322**
Stddev	.00020	.00119	.00088	.00073	.2722	.00011
%RSD	24.209	792.02	28.472	10.084	3.5352	3.3834
#1	.00071	-.00149	.00214	.00813	7.4894	.00311
#2	.00072	.00024	.00330	.00679	8.0082	.00333
#3	.00106	.00080	.00387	.00694	7.6056	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.62676**	**.00103**	**.00263**	**.00735**	**.00403**
Stddev	.02251	.00001	.00089	.00271	.00014
%RSD	3.5914	1.3918	33.854	36.879	3.3538
#1	.61160	.00104	.00292	.00437	.00402
#2	.65262	.00102	.00333	.00801	.00418
#3	.61606	.00104	.00163	.00968	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1765.3**	**3418.7**	**53389.**	**5136.4**
Stddev	58.5	115.7	250.	168.3
%RSD	3.3141	3.3854	.46883	3.2775
#1	1794.5	3480.4	53476.	5281.9
#2	1698.0	3285.2	53106.	4952.0
#3	1803.5	3490.5	53584.	5175.4

Sample Name: 180-130108-C-7-A Acquired: 11/24/2021 17:22:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**1.4027**	**.01076**	**.04994**	**.13007**	**.00034**
Stddev	.00007	.0162	.00287	.00022	.00037	.00008
%RSD	15.825	1.1565	26.680	.43494	.28264	23.062
#1	-.00040	1.4213	.01401	.04971	.13048	.00038
#2	-.00054	1.3911	.00968	.04996	.12995	.00025
#3	-.00046	1.3958	.00859	.05014	.12978	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.78**	**.00037**	**.00223**	**.00777**	**.03496**	**1.5965**
Stddev	.57	.00012	.00032	.00094	.00113	.0076
%RSD	.39171	31.052	14.326	12.045	3.2239	.47736
#1	145.41	.00032	.00229	.00679	.03489	1.5942
#2	144.60	.00050	.00251	.00785	.03612	1.6049
#3	144.32	.00029	.00188	.00866	.03387	1.5902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.917**	**.02091**	**15.137**	**.12143**	**.00686**	**435.75**
Stddev	.056	.00106	.064	.00038	.00025	2.11
%RSD	.35218	5.0912	.42309	.31068	3.6976	.48420
#1	15.979	.02109	15.120	.12115	.00703	438.12
#2	15.871	.02187	15.207	.12186	.00699	435.05
#3	15.900	.01976	15.083	.12128	.00657	434.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-7-A Acquired: 11/24/2021 17:22:22 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00533**	**.01542**	**.00480**	**.00020**	**8.5514**	**.00271**
Stddev	.00064	.00337	.00101	.00305	.0444	.00033
%RSD	12.085	21.887	21.054	1522.5	.51941	12.337
#1	.00466	.01665	.00498	-.00233	8.5839	.00309
#2	.00540	.01800	.00571	-.00065	8.5008	.00259
#3	.00594	.01160	.00371	.00358	8.5695	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.91633**	**.05199**	**.00125**	**.01439**	**.27143**
Stddev	.00842	.00015	.00135	.00118	.00091
%RSD	.91895	.28992	108.40	8.2290	.33685
#1	.92186	.05182	.00046	.01568	.27087
#2	.90664	.05209	.00281	.01412	.27093
#3	.92049	.05208	.00048	.01336	.27248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1743.3**	**3448.0**	**53022.**	**5168.7**
Stddev	3.0	10.1	55.	24.9
%RSD	.17152	.29304	.10335	.48188
#1	1746.7	3459.5	53082.	5140.0
#2	1742.4	3440.4	53010.	5184.6
#3	1740.9	3444.1	52974.	5181.5

Sample Name: 180-130108-C-8-A Acquired: 11/24/2021 17:27:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**3.9796**	**.02997**	**.09681**	**.12621**	**.00104**
Stddev	.00034	.0144	.00185	.00137	.00057	.00012
%RSD	138.88	.36165	6.1671	1.4163	.45459	11.489
#1	.00031	3.9949	.02897	.09798	.12574	.00115
#2	-.00012	3.9663	.03211	.09530	.12685	.00105
#3	.00054	3.9777	.02885	.09715	.12603	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.673**	**.00044**	**.00257**	**.01260**	**.01718**	**2.3647**
Stddev	.060	.00005	.00014	.00052	.00038	.0148
%RSD	.06567	11.300	5.3119	4.0942	2.2005	.62501
#1	91.637	.00047	.00263	.01300	.01761	2.3660
#2	91.742	.00038	.00266	.01202	.01692	2.3788
#3	91.639	.00046	.00241	.01278	.01700	2.3493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.963**	**.01893**	**8.7956**	**.03266**	**.00732**	**351.13**
Stddev	.029	.00032	.0587	.00012	.00007	5.50
%RSD	.19299	1.6939	.66737	.36607	.95358	1.5674
#1	14.945	.01856	8.8333	.03278	.00740	355.79
#2	14.996	.01913	8.8256	.03266	.00726	345.06
#3	14.948	.01909	8.7280	.03254	.00731	352.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-8-A Acquired: 11/24/2021 17:27:07 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00579**	**.01747**	**.00422**	**.00062**	**14.455**	**.00179**
Stddev	.00039	.00163	.00061	.00195	.028	.00065
%RSD	6.7224	9.3559	14.445	316.72	.19035	36.476
#1	.00600	.01716	.00358	.00137	14.473	.00229
#2	.00534	.01601	.00428	-.00160	14.468	.00202
#3	.00602	.01924	.00480	.00207	14.423	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.81802**	**.22650**	**.00211**	**.02447**	**.04809**
Stddev	.00970	.00045	.00151	.00054	.00014
%RSD	1.1855	.19859	71.752	2.2233	.29507
#1	.81352	.22694	.00385	.02418	.04823
#2	.82915	.22604	.00130	.02414	.04795
#3	.81140	.22652	.00117	.02510	.04808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1783.3**	**3509.9**	**54424.**	**5279.8**
Stddev	.2	10.3	138.	11.5
%RSD	.01300	.29427	.25431	.21768
#1	1783.3	3500.9	54397.	5282.1
#2	1783.0	3521.2	54573.	5290.0
#3	1783.5	3507.6	54300.	5267.3

Sample Name: 180-130108-C-9-A Acquired: 11/24/2021 17:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.59177**	**.00625**	**.08366**	**.05142**	**.00001**
Stddev	.00012	.00426	.00063	.00023	.00007	.00003
%RSD	69.135	.71941	10.017	.27230	.13907	385.52
#1	-.00029	.59441	.00671	.08340	.05135	.00002
#2	-.00006	.59404	.00649	.08377	.05143	-.00003
#3	-.00016	.58686	.00554	.08381	.05149	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.646**	**.00029**	**.00129**	**.00586**	**.01955**	**1.6526**
Stddev	.234	.00013	.00022	.00029	.00098	.0050
%RSD	.40641	43.228	16.910	4.8995	4.9992	.29997
#1	57.887	.00039	.00104	.00619	.02003	1.6471
#2	57.419	.00015	.00138	.00572	.01842	1.6542
#3	57.633	.00033	.00145	.00567	.02019	1.6566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.134**	**.01611**	**11.202**	**.04040**	**.00747**	**249.67**
Stddev	.043	.00035	.021	.00038	.00021	3.18
%RSD	.42370	2.1512	.19142	.93844	2.8409	1.2746
#1	10.085	.01574	11.213	.04083	.00771	253.30
#2	10.153	.01616	11.177	.04030	.00730	247.38
#3	10.165	.01643	11.215	.04009	.00741	248.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-9-A Acquired: 11/24/2021 17:31:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**.00491**	**.00742**	**-.00079**	**10.161**	**.00337**
Stddev	.00067	.00099	.00150	.00064	.019	.00045
%RSD	25.201	20.272	20.247	80.112	.18448	13.328
#1	.00342	.00578	.00768	-.00149	10.143	.00313
#2	.00237	.00511	.00877	-.00064	10.161	.00310
#3	.00217	.00383	.00580	-.00025	10.180	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.55993**	**.02174**	**.00166**	**.00992**	**.10515**
Stddev	.00677	.00032	.00125	.00139	.00061
%RSD	1.2088	1.4813	75.199	13.999	.57694
#1	.56421	.02208	.00164	.00877	.10526
#2	.56345	.02169	.00042	.01146	.10450
#3	.55213	.02144	.00292	.00952	.10570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1849.5**	**3547.0**	**54589.**	**5296.3**
Stddev	10.9	17.0	268.	27.1
%RSD	.58903	.48065	.49058	.51237
#1	1853.2	3552.6	54281.	5275.3
#2	1858.0	3560.6	54731.	5326.9
#3	1837.2	3527.9	54757.	5286.6

Sample Name: 180-130108-C-10-A Acquired: 11/24/2021 17:36:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.08586**	**.00144**	**.05795**	**.04560**	**-.00003**
Stddev	.00032	.00133	.00243	.00009	.00004	.00004
%RSD	235.49	1.5522	168.57	.15050	.09211	110.28
#1	.00045	.08684	.00083	.05789	.04556	-.00001
#2	-.00019	.08639	-.00062	.05791	.04562	-.00008
#3	.00015	.08434	.00413	.05805	.04563	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.933**	**.00122**	**.00043**	**.00029**	**.00346**	**.09809**
Stddev	.167	.00003	.00010	.00025	.00039	.00475
%RSD	.27015	2.3982	23.919	85.106	11.269	4.8421
#1	61.989	.00121	.00054	.00005	.00391	.10342
#2	62.065	.00120	.00034	.00028	.00331	.09430
#3	61.745	.00126	.00041	.00055	.00317	.09655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.3054**	**.01037**	**11.267**	**.02438**	**.00406**	**129.18**
Stddev	.0414	.00113	.053	.00030	.00006	.61
%RSD	.56711	10.857	.47462	1.2156	1.3818	.47542
#1	7.3405	.01058	11.270	.02449	.00400	129.31
#2	7.3160	.01138	11.320	.02460	.00408	129.71
#3	7.2597	.00916	11.213	.02404	.00411	128.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-10-A Acquired: 11/24/2021 17:36:41 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00063**	**.00247**	**.00169**	**4.7653**	**.00234**
Stddev	.00029	.00084	.00062	.00148	.0392	.00052
%RSD	253.00	133.51	24.992	87.463	.82320	22.453
#1	.00036	-.00031	.00241	.00312	4.7709	.00255
#2	.00020	.00131	.00312	.00017	4.8014	.00174
#3	-.00021	.00088	.00189	.00177	4.7236	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.62412**	**.00173**	**.00168**	**.00483**	**.00822**
Stddev	.00052	.00014	.00182	.00136	.00004
%RSD	.08271	8.2687	108.66	28.214	.49728
#1	.62465	.00172	.00010	.00623	.00820
#2	.62362	.00187	.00367	.00351	.00819
#3	.62409	.00159	.00126	.00476	.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1922.3**	**3600.7**	**55571.**	**5206.3**
Stddev	3.6	1.1	440.	30.8
%RSD	.18840	.02944	.79177	.59109
#1	1926.3	3601.5	55455.	5208.8
#2	1919.3	3599.5	55201.	5174.3
#3	1921.4	3601.2	56057.	5235.7

Sample Name: 180-130108-C-11-A Acquired: 11/24/2021 17:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.71027**	**.00227**	**.07993**	**.04057**	**.00005**
Stddev	.00028	.03817	.00082	.00062	.00009	.00013
%RSD	1596.9	5.3746	36.066	.78043	.21315	239.83
#1	.00031	.73132	.00305	.08030	.04062	.00007
#2	-.00021	.73329	.00141	.07921	.04062	-.00008
#3	-.00015	.66620	.00236	.08029	.04047	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.219**	**.00014**	**.00098**	**.00203**	**.00279**	**.59614**
Stddev	.107	.00014	.00020	.00022	.00032	.00493
%RSD	.20470	98.922	20.292	11.006	11.361	.82772
#1	52.335	.00003	.00116	.00178	.00264	.59298
#2	52.200	.00030	.00077	.00220	.00258	.60183
#3	52.124	.00010	.00100	.00212	.00316	.59362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8272**	**.01265**	**12.838**	**.02493**	**.00774**	**316.63**
Stddev	.0123	.00067	.024	.00006	.00030	3.35
%RSD	.32040	5.3107	.18650	.25105	3.8772	1.0589
#1	3.8186	.01198	12.817	.02492	.00748	320.10
#2	3.8216	.01266	12.832	.02500	.00766	316.36
#3	3.8412	.01332	12.864	.02488	.00807	313.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-11-A Acquired: 11/24/2021 17:41:21 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00146**	**.00215**	**-.00029**	**6.7725**	**.00235**
Stddev	.00095	.00147	.00205	.00144	.0237	.00039
%RSD	200.06	100.64	95.532	494.69	.35051	16.635
#1	.00155	-.00024	.00043	-.00069	6.7940	.00233
#2	.00009	.00236	.00442	.00131	6.7765	.00196
#3	-.00022	.00225	.00160	-.00149	6.7470	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.89301**	**.01333**	**.00097**	**.00816**	**.00811**
Stddev	.01005	.00008	.00074	.00334	.00008
%RSD	1.1257	.61614	76.617	40.937	1.0007
#1	.89548	.01340	.00011	.00955	.00806
#2	.90160	.01335	.00134	.00435	.00806
#3	.88196	.01324	.00144	.01058	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1831.5**	**3526.6**	**54177.**	**5179.5**
Stddev	4.7	5.5	114.	14.9
%RSD	.25829	.15641	.21011	.28789
#1	1833.4	3528.2	54188.	5164.9
#2	1826.1	3520.5	54059.	5178.9
#3	1835.0	3531.2	54286.	5194.7

Sample Name: 180-130108-C-12-A Acquired: 11/24/2021 17:46:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.01404**	**.00259**	**.09139**	**.07110**	**-.00009**
Stddev	.00043	.00483	.00317	.00007	.00036	.00005
%RSD	126.48	34.411	122.52	.07767	.50096	51.860
#1	-.00008	.01636	.00595	.09146	.07082	-.00015
#2	.00079	.00848	.00217	.09132	.07098	-.00008
#3	.00031	.01726	-.00035	.09138	.07150	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.928**	**.00008**	**.00065**	**-.00005**	**.00187**	**.06132**
Stddev	.117	.00012	.00039	.00033	.00046	.00216
%RSD	.16289	146.96	59.636	666.81	24.556	3.5170
#1	71.899	-.00003	.00099	.00022	.00240	.06140
#2	71.828	.00006	.00074	-.00042	.00168	.06343
#3	72.057	.00021	.00023	.00005	.00154	.05912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.000**	**.01261**	**11.967**	**.03526**	**.00526**	**104.59**
Stddev	.157	.00042	.044	.00020	.00015	.58
%RSD	.87205	3.3701	.36365	.56028	2.8150	.55683
#1	18.090	.01302	12.002	.03543	.00541	105.01
#2	17.819	.01217	11.918	.03504	.00523	103.92
#3	18.092	.01264	11.979	.03531	.00512	104.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C-12-A Acquired: 11/24/2021 17:46:11 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00160**	**.00286**	**.00041**	**6.2854**	**.00285**
Stddev	.00050	.00154	.00157	.00214	.0249	.00077
%RSD	69.785	96.109	54.862	526.23	.39546	27.193
#1	.00020	-.00015	.00401	-.00129	6.3043	.00213
#2	.00076	.00219	.00107	-.00029	6.2572	.00367
#3	.00120	.00276	.00350	.00281	6.2946	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.68212**	**.00048**	**.00168**	**.00465**	**.00277**
Stddev	.00906	.00008	.00034	.00131	.00021
%RSD	1.3287	16.729	19.963	28.081	7.7184
#1	.67742	.00057	.00206	.00437	.00279
#2	.67637	.00047	.00157	.00608	.00297
#3	.69257	.00041	.00141	.00351	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.8**	**3600.4**	**55879.**	**5285.1**
Stddev	6.4	10.9	147.	35.9
%RSD	.33369	.30328	.26329	.67936
#1	1933.0	3611.6	55745.	5264.0
#2	1923.6	3599.8	56036.	5326.6
#3	1920.7	3589.8	55857.	5264.8

Sample Name: CCV 4546440 Acquired: 11/24/2021 17:50:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98098**	**23.815**	**.50617**	**2.0572**	**1.9762**	**1.9489**
Stddev	.00238	.053	.00415	.0013	.0027	.0087
%RSD	.24257	.22151	.81991	.06217	.13646	.44862
#1	.98184	23.763	.50346	2.0574	1.9734	1.9473
#2	.97829	23.868	.50410	2.0559	1.9764	1.9411
#3	.98281	23.812	.51095	2.0584	1.9788	1.9583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.883**	**.50049**	**1.9892**	**1.8548**	**1.9980**	**23.717**
Stddev	.049	.00094	.0055	.0044	.0103	.131
%RSD	.10435	.18763	.27786	.23875	.51395	.55236
#1	46.827	.50073	1.9921	1.8503	2.0070	23.640
#2	46.901	.49946	1.9828	1.8548	1.9868	23.643
#3	46.920	.50129	1.9927	1.8592	2.0003	23.868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.50**	**2.0702**	**45.435**	**1.8485**	**1.9635**	**112.54**
Stddev	.48	.0041	.115	.0056	.0052	.48
%RSD	.41067	.19881	.25248	.30291	.26286	.42681
#1	117.48	2.0654	45.349	1.8480	1.9617	112.30
#2	117.02	2.0729	45.390	1.8431	1.9596	112.22
#3	117.98	2.0721	45.565	1.8543	1.9694	113.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 17:50:50 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9693**	**.48174**	**.51594**	**.50427**	**1.8725**	**1.8773**
Stddev	.0046	.00406	.00175	.00548	.0067	.0028
%RSD	.23320	.84175	.33939	1.0858	.35720	.14757
#1	1.9696	.48631	.51609	.49795	1.8655	1.8782
#2	1.9645	.47857	.51412	.50721	1.8731	1.8741
#3	1.9737	.48035	.51761	.50764	1.8788	1.8794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8659**	**1.9441**	**.95562**	**1.9470**	**1.8557**
Stddev	.0062	.0018	.00580	.0033	.0066
%RSD	.32943	.09273	.60726	.16933	.35421
#1	1.8634	1.9449	.95282	1.9500	1.8552
#2	1.8615	1.9420	.95175	1.9476	1.8494
#3	1.8729	1.9453	.96229	1.9435	1.8625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1835.5**	**3587.9**	**55491.**	**5236.4**
Stddev	4.6	5.8	204.	15.5
%RSD	.25229	.16133	.36768	.29651
#1	1830.9	3582.8	55408.	5225.4
#2	1840.1	3594.2	55723.	5254.2
#3	1835.4	3586.8	55341.	5229.7

Sample Name: CCB14 Acquired: 11/24/2021 17:55:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00166**	**.00151**	**.00130**	**.00006**	**-.00001**
Stddev	.00034	.00164	.00072	.00010	.00018	.00012
%RSD	260.82	98.623	47.933	7.3157	272.22	1719.4
#1	-.00026	-.00243	.00068	.00123	-.00013	.00011
#2	.00036	-.00277	.00202	.00141	.00021	-.00013
#3	.00029	.00022	.00182	.00127	.00012	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00720**	**.00003**	**.00003**	**.00032**	**.00107**	**.00236**
Stddev	.00098	.00005	.00006	.00046	.00010	.00109
%RSD	13.656	167.64	218.68	144.36	9.6338	46.078
#1	-.00762	-.00003	-.00003	.00084	.00098	.00125
#2	-.00608	.00007	.00002	.00015	.00119	.00241
#3	-.00791	.00005	.00009	-.00004	.00105	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37577**	**.00430**	**-.01084**	**.00002**	**.00866**	**1.1400**
Stddev	.02339	.00097	.01064	.00003	.00131	.0117
%RSD	6.2258	22.492	98.130	135.30	15.180	1.0299
#1	.40130	.00535	-.00013	.00004	.01006	1.1448
#2	.35535	.00345	-.02141	-.00001	.00845	1.1486
#3	.37067	.00409	-.01098	.00003	.00746	1.1266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB14 Acquired: 11/24/2021 17:55:13 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00051**	**.00038**	**.00026**	**-.00211**	**.00178**
Stddev	.00033	.00013	.00128	.00116	.00606	.00052
%RSD	40.400	25.711	332.94	447.51	287.42	29.168
#1	-.00081	-.00038	-.00032	-.00043	-.00571	.00234
#2	-.00115	-.00064	-.00039	-.00039	-.00550	.00169
#3	-.00049	-.00049	.00186	.00160	.00489	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00015**	**.00009**	**.00297**	**.00003**
Stddev	.00126	.00008	.00091	.00191	.00011
%RSD	2299.7	52.764	985.66	64.260	335.58
#1	.00117	.00012	.00093	.00085	.00008
#2	-.00131	.00008	.00021	.00351	-.00009
#3	.00031	.00023	-.00087	.00456	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2191.5**	**3822.4**	**59575.**	**5350.8**
Stddev	3.2	3.2	261.	18.5
%RSD	.14705	.08400	.43825	.34507
#1	2192.9	3826.1	59866.	5333.1
#2	2187.8	3820.2	59500.	5369.9
#3	2193.8	3820.9	59360.	5349.4

Sample Name: 180-130115-A-2-A Acquired: 11/24/2021 17:59:55 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.12374**	**.01677**	**1.1080**	**.28721**	**.00002**
Stddev	.00011	.02428	.00303	.0022	.00054	.00012
%RSD	30.537	19.618	18.060	.19902	.18804	768.69
#1	.00048	.10848	.01957	1.1105	.28770	-.00011
#2	.00035	.11102	.01719	1.1063	.28663	.00003
#3	.00026	.15174	.01356	1.1071	.28730	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**257.33**	**.00022**	**-.00004**	**.00160**	**.00315**	**.75828**
Stddev	.98	.00005	.00023	.00034	.00053	.00600
%RSD	.38153	24.899	626.06	21.234	16.895	.79122
#1	258.46	.00018	.00008	.00121	.00258	.75616
#2	256.71	.00019	-.00030	.00174	.00324	.76505
#3	256.81	.00028	.00011	.00184	.00363	.75363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1316**	**.01636**	**38.187**	**.28507**	**.06445**	**34.127**
Stddev	.0539	.00090	.043	.00037	.00056	.198
%RSD	.87939	5.5181	.11228	.12976	.86857	.57963
#1	6.0824	.01542	38.234	.28465	.06506	33.908
#2	6.1231	.01722	38.149	.28532	.06396	34.293
#3	6.1892	.01645	38.178	.28524	.06434	34.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130115-A-2-A Acquired: 11/24/2021 17:59:55 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00480**	**.00272**	**-.00079**	F **26.061**	**.00315**
Stddev	.00052	.00054	.00124	.00082	.138	.00046
%RSD	23.879	11.193	45.586	103.65	.52869	14.555
#1	.00189	.00425	.00411	-.00132	25.903	.00362
#2	.00189	.00481	.00170	.00015	26.156	.00314
#3	.00280	.00533	.00236	-.00121	26.123	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					25.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.86894**	**.00544**	**.00078**	**.00879**	**.05242**
Stddev	.00914	.00009	.00225	.00214	.00021
%RSD	1.0522	1.7141	289.82	24.361	.39612
#1	.86366	.00553	-.00152	.01093	.05238
#2	.87950	.00535	.00297	.00878	.05265
#3	.86366	.00546	.00088	.00665	.05224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1877.4**	**3515.3**	**55437.**	**5224.1**
Stddev	6.1	6.8	137.	16.1
%RSD	.32694	.19379	.24668	.30849
#1	1873.0	3507.5	55573.	5207.2
#2	1874.9	3519.9	55440.	5225.7
#3	1884.4	3518.5	55299.	5239.3

Sample Name: 180-130133-E-1-A Acquired: 11/24/2021 18:04:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.72137**	**.00292**	**.06544**	**.07164**	**.00001**
Stddev	.00033	.02568	.00082	.00162	.00020	.00007
%RSD	124.14	3.5603	28.005	2.4744	.27487	915.88
#1	.00007	.70754	.00385	.06685	.07186	.00001
#2	.00065	.70556	.00264	.06367	.07159	-.00007
#3	.00008	.75100	.00229	.06579	.07148	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**84.504**	**.00106**	**.00254**	**.31744**	**.00664**	**1.5540**
Stddev	.263	.00001	.00024	.00840	.00084	.0157
%RSD	.31143	1.2644	9.5681	2.6477	12.710	1.0080
#1	84.707	.00108	.00237	.31001	.00710	1.5490
#2	84.207	.00105	.00243	.31574	.00715	1.5414
#3	84.599	.00105	.00282	.32656	.00567	1.5715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7560**	**.02450**	**3.4080**	**.16852**	**.06486**	F **1113.0**
Stddev	.0213	.00129	.0426	.00400	.00097	8.9
%RSD	.31535	5.2641	1.2490	2.3735	1.4972	.79939
#1	6.7381	.02315	3.4108	.16574	.06583	1121.5
#2	6.7503	.02464	3.3641	.16672	.06389	1113.7
#3	6.7796	.02571	3.4491	.17310	.06487	1103.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130133-E-1-A Acquired: 11/24/2021 18:04:32 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00494**	**.00517**	**-.00247**	**4.1874**	**.00274**
Stddev	.00033	.00122	.00097	.00095	.0239	.00159
%RSD	10.005	24.785	18.768	38.415	.57100	57.970
#1	.00360	.00583	.00555	-.00141	4.1720	.00164
#2	.00324	.00354	.00406	-.00324	4.1753	.00456
#3	.00295	.00545	.00588	-.00276	4.2149	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.61056**	**.02030**	**.00125**	**.02622**	**.21425**
Stddev	.01084	.00075	.00070	.00355	.00314
%RSD	1.7759	3.6865	55.914	13.553	1.4652
#1	.61256	.01964	.00101	.02544	.21769
#2	.59885	.02111	.00204	.03010	.21155
#3	.62026	.02014	.00071	.02313	.21351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1649.6**	**3367.4**	**50098.**	**5073.0**
Stddev	18.7	32.9	1102.	23.3
%RSD	1.1360	.97808	2.1996	.45979
#1	1628.5	3333.9	50951.	5048.3
#2	1664.4	3399.8	50488.	5094.7
#3	1655.8	3368.4	48853.	5076.0

Sample Name: 180-130153-D-1-A Acquired: 11/24/2021 18:09:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01831**	**.13032**	**.00054**	**.21500**	**.02386**	**.00004**
Stddev	.00024	.02040	.00327	.00076	.00032	.00006
%RSD	1.3000	15.655	606.69	.35121	1.3327	136.33
#1	.01810	.14626	-.00226	.21447	.02408	.00005
#2	.01857	.10733	.00413	.21466	.02400	-.00002
#3	.01828	.13738	-.00025	.21587	.02349	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.495**	**.00041**	**.00126**	**.00351**	**.18371**	**.57222**
Stddev	.026	.00001	.00020	.00049	.00040	.00204
%RSD	.09674	3.2511	16.051	13.914	.21715	.35734
#1	26.524	.00042	.00126	.00402	.18336	.57034
#2	26.482	.00042	.00105	.00304	.18415	.57440
#3	26.478	.00040	.00145	.00349	.18362	.57191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.311**	**.00904**	**5.0714**	**.01775**	**.00469**	**76.221**
Stddev	.118	.00122	.0168	.00013	.00032	.096
%RSD	.17477	13.466	.33095	.74563	6.7184	.12531
#1	67.307	.00861	5.0658	.01760	.00476	76.209
#2	67.195	.00809	5.0582	.01778	.00497	76.131
#3	67.430	.01041	5.0903	.01786	.00435	76.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-1-A Acquired: 11/24/2021 18:09:16 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.00850**	**.00402**	**-.00034**	**2.5979**	**.00741**
Stddev	.00021	.00373	.00089	.00157	.0104	.00050
%RSD	1.9340	43.918	22.220	467.32	.40149	6.7540
#1	.01098	.00629	.00487	-.00211	2.5888	.00768
#2	.01087	.00641	.00309	.00022	2.5957	.00772
#3	.01057	.01282	.00411	.00088	2.6093	.00683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06856**	**.00192**	**.00087**	**.00237**	**.04663**
Stddev	.00134	.00013	.00073	.00341	.00017
%RSD	1.9520	6.6813	83.863	143.81	.37417
#1	.06718	.00188	.00075	-.00021	.04679
#2	.06864	.00182	.00021	.00624	.04645
#3	.06985	.00206	.00166	.00108	.04667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1913.5**	**3589.6**	**55291.**	**5096.0**
Stddev	5.1	11.7	352.	17.9
%RSD	.26771	.32568	.63698	.35208
#1	1919.0	3599.6	55697.	5086.0
#2	1912.7	3592.5	55087.	5116.7
#3	1908.9	3576.7	55087.	5085.4

Sample Name: 180-130153-D-2-A Acquired: 11/24/2021 18:13:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.04805**	**.00250**	**.10934**	**.02323**	**-.00005**
Stddev	.00045	.00952	.00152	.00073	.00008	.00007
%RSD	12.872	19.812	61.027	.66445	.34267	152.98
#1	.00386	.05070	.00077	.10903	.02332	-.00004
#2	.00362	.03748	.00309	.10882	.02319	-.00013
#3	.00299	.05596	.00364	.11017	.02318	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.731**	**.00009**	**.00046**	**.00142**	**.21456**	**.15944**
Stddev	.077	.00004	.00030	.00046	.00102	.00472
%RSD	.29953	45.982	65.413	32.241	.47572	2.9584
#1	25.670	.00008	.00031	.00154	.21411	.15816
#2	25.818	.00006	.00080	.00180	.21573	.16466
#3	25.705	.00014	.00026	.00091	.21385	.15549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.429**	**.00757**	**5.0122**	**.01239**	**.00258**	**82.534**
Stddev	.317	.00036	.0249	.00010	.00005	.228
%RSD	.40427	4.7263	.49591	.82722	1.9874	.27654
#1	78.254	.00760	5.0405	.01250	.00256	82.324
#2	78.795	.00791	4.9942	.01238	.00255	82.777
#3	78.237	.00720	5.0018	.01229	.00264	82.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-2-A Acquired: 11/24/2021 18:13:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**.00305**	**.00393**	**.00059**	**2.5096**	**.00306**
Stddev	.00035	.00166	.00088	.00181	.0252	.00060
%RSD	4.5375	54.276	22.447	307.50	1.0047	19.738
#1	.00799	.00297	.00387	-.00101	2.5065	.00274
#2	.00760	.00144	.00307	.00256	2.4861	.00376
#3	.00730	.00475	.00483	.00022	2.5362	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.07047**	**.00098**	**.00003**	**.00366**	**.04930**
Stddev	.00453	.00024	.00087	.00309	.00010
%RSD	6.4225	24.158	2801.3	84.460	.19776
#1	.07559	.00125	.00069	.00456	.04932
#2	.06883	.00081	-.00095	.00621	.04920
#3	.06699	.00089	.00036	.00022	.04939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1931.0**	**3594.9**	**56276.**	**5247.7**
Stddev	4.6	3.2	71.	10.6
%RSD	.23603	.08865	.12682	.20278
#1	1927.8	3596.7	56282.	5255.1
#2	1936.2	3596.8	56202.	5235.5
#3	1929.0	3591.2	56344.	5252.5

Sample Name: 180-130153-D-3-A Acquired: 11/24/2021 18:18:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40817**	**2.5147**	**.00349**	**5.3872**	**.02143**	**.00003**
Stddev	.00146	.0101	.00121	.1173	.00012	.00008
%RSD	.35869	.40091	34.643	2.1782	.54312	268.87
#1	.40965	2.5262	.00351	5.3103	.02154	-.00006
#2	.40672	2.5072	.00227	5.5222	.02144	.00009
#3	.40813	2.5108	.00468	5.3289	.02131	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.691**	**.00021**	**.00090**	**.00750**	**.12045**	**5.1567**
Stddev	.127	.00010	.00021	.00048	.00056	.0244
%RSD	.56097	47.169	22.994	6.4119	.46447	.47345
#1	22.838	.00032	.00090	.00695	.12109	5.1534
#2	22.607	.00014	.00069	.00784	.12006	5.1341
#3	22.629	.00016	.00110	.00770	.12019	5.1826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**292.72**	**.00533**	**3.8589**	**.08456**	**.00160**	**97.334**
Stddev	.97	.00161	.0419	.00020	.00010	.466
%RSD	.33256	30.250	1.0863	.23528	6.3011	.47894
#1	293.38	.00524	3.9015	.08477	.00154	97.634
#2	291.60	.00377	3.8177	.08453	.00172	96.797
#3	293.18	.00700	3.8574	.08438	.00155	97.570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-3-A Acquired: 11/24/2021 18:18:36 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.02473**	**.00358**	**-.00059**	**2.2398**	**.00350**
Stddev	.00017	.00135	.00058	.00306	.0120	.00045
%RSD	5.3323	5.4795	16.091	516.30	.53473	12.750
#1	.00332	.02385	.00356	.00287	2.2522	.00379
#2	.00301	.02404	.00302	-.00169	2.2283	.00371
#3	.00306	.02629	.00417	-.00296	2.2388	.00298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06051**	**.00030**	**.00203**	**.00260**	**.02751**
Stddev	.00682	.00015	.00219	.00170	.00046
%RSD	11.271	48.685	107.85	65.459	1.6829
#1	.05917	.00016	-.00028	.00432	.02727
#2	.05447	.00029	.00231	.00092	.02804
#3	.06791	.00045	.00407	.00256	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1825.0**	**3504.8**	**54742.**	**5196.7**
Stddev	36.3	65.4	91.	40.1
%RSD	1.9877	1.8651	.16677	.77076
#1	1849.1	3546.2	54644.	5151.2
#2	1783.3	3429.4	54755.	5226.7
#3	1842.7	3538.7	54825.	5212.2

Sample Name: 180-130153-D-4-A Acquired: 11/24/2021 18:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07807**	**.60861**	**.00136**	**1.2324**	**.02473**	**.00006**
Stddev	.00071	.01529	.00180	.0027	.00013	.00007
%RSD	.90932	2.5123	132.27	.22198	.54460	110.84
#1	.07778	.59097	-.00049	1.2327	.02468	.00006
#2	.07887	.61678	.00147	1.2350	.02462	.00013
#3	.07755	.61809	.00309	1.2296	.02488	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.958**	**.00046**	**.00073**	**.00453**	**.20220**	**1.5040**
Stddev	.092	.00007	.00019	.00028	.00194	.0118
%RSD	.36874	14.436	25.868	6.1036	.96000	.78148
#1	25.064	.00047	.00052	.00461	.20106	1.5151
#2	24.895	.00038	.00077	.00476	.20444	1.4917
#3	24.915	.00051	.00090	.00422	.20109	1.5050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.38**	**.00707**	**4.7570**	**.03707**	**.00186**	**80.242**
Stddev	.20	.00198	.0683	.00006	.00033	.110
%RSD	.15626	28.011	1.4347	.17294	17.793	.13764
#1	127.47	.00906	4.8358	.03704	.00148	80.254
#2	127.15	.00510	4.7189	.03714	.00201	80.126
#3	127.51	.00707	4.7163	.03702	.00209	80.346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130153-D-4-A Acquired: 11/24/2021 18:23:12 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**.00972**	**.00371**	**-.00021**	**2.3866**	**.00588**
Stddev	.00011	.00188	.00143	.00231	.0199	.00044
%RSD	1.5967	19.297	38.519	1116.4	.83389	7.4084
#1	.00731	.00795	.00207	.00211	2.3644	.00631
#2	.00722	.00953	.00441	-.00022	2.4030	.00544
#3	.00708	.01168	.00466	-.00251	2.3924	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06627**	**.01479**	**.00045**	**-.00067**	**.07817**
Stddev	.00402	.00039	.00133	.00479	.00037
%RSD	6.0721	2.6636	297.51	717.71	.47967
#1	.06926	.01512	-.00094	-.00127	.07801
#2	.06169	.01436	.00170	.00440	.07860
#3	.06786	.01489	.00057	-.00513	.07790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1891.7**	**3572.9**	**54882.**	**5101.2**
Stddev	.4	4.7	146.	9.1
%RSD	.02378	.13103	.26607	.17877
#1	1891.2	3571.6	54892.	5091.6
#2	1891.9	3569.1	54731.	5102.4
#3	1892.1	3578.2	55022.	5109.8

Sample Name: 180-130155-B-1-A Acquired: 11/24/2021 18:27:49 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.14056**	**-.00074**	**.01886**	**.02502**	**-.00004**
Stddev	.00046	.02798	.00049	.00076	.00016	.00008
%RSD	342.15	19.909	66.121	4.0326	.62820	205.73
#1	-.00027	.10850	-.00018	.01889	.02516	-.00011
#2	.00063	.16011	-.00105	.01960	.02505	-.00004
#3	.00004	.15306	-.00098	.01808	.02485	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6926**	**.00013**	**.00037**	**.00165**	**.00701**	**.43754**
Stddev	.0247	.00004	.00009	.00024	.00013	.00419
%RSD	.43351	28.809	23.428	14.698	1.8148	.95722
#1	5.7184	.00009	.00042	.00149	.00687	.44147
#2	5.6901	.00016	.00027	.00153	.00703	.43802
#3	5.6692	.00013	.00041	.00193	.00712	.43314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72717**	**.00176**	**.34155**	**.03733**	**.00437**	**2.5870**
Stddev	.01499	.00070	.02042	.00016	.00010	.0219
%RSD	2.0617	39.982	5.9791	.42948	2.2080	.84675
#1	.71002	.00155	.34241	.03727	.00435	2.5945
#2	.73780	.00118	.32071	.03722	.00429	2.6042
#3	.73368	.00254	.36153	.03752	.00448	2.5624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130155-B-1-A Acquired: 11/24/2021 18:27:49 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**.00048**	**.00271**	**-.00458**	**.49295**	**.00235**
Stddev	.00046	.00086	.00164	.00151	.01753	.00018
%RSD	7.5836	178.15	60.684	33.039	3.5564	7.5500
#1	.00588	-.00051	.00416	-.00325	.48774	.00223
#2	.00651	.00092	.00304	-.00426	.51249	.00226
#3	.00562	.00104	.00092	-.00622	.47861	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01092**	**.00254**	**.00195**	**.00077**	**.25778**
Stddev	.00582	.00023	.00068	.00186	.00162
%RSD	53.291	8.8533	34.608	240.28	.62673
#1	.01254	.00268	.00207	-.00050	.25657
#2	.00446	.00266	.00257	-.00009	.25962
#3	.01576	.00228	.00123	.00291	.25716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2169.4**	**3776.0**	**59217.**	**5254.2**
Stddev	7.9	21.8	197.	27.5
%RSD	.36317	.57823	.33262	.52320
#1	2175.5	3789.1	59444.	5227.8
#2	2160.5	3750.8	59108.	5252.0
#3	2172.0	3788.1	59099.	5282.7

Sample Name: 180-130208-B-5-A Acquired: 11/24/2021 18:32:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.05785**	**.00074**	**.07399**	**.05364**	**-.00004**
Stddev	.00012	.00433	.00090	.00070	.00034	.00003
%RSD	469.25	7.4835	121.38	.94700	.63501	80.545
#1	-.00001	.05738	.00177	.07475	.05354	-.00005
#2	-.00007	.05378	.00036	.07383	.05337	-.00007
#3	.00016	.06240	.00009	.07338	.05402	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.417**	**.00013**	**.00016**	**.00013**	**.00194**	**.06887**
Stddev	.102	.00013	.00025	.00016	.00084	.00060
%RSD	.18097	101.56	151.74	118.87	43.297	.87155
#1	56.531	.00018	.00029	.00019	.00154	.06915
#2	56.333	-.00002	-.00012	-.00005	.00290	.06819
#3	56.387	.00022	.00032	.00026	.00137	.06928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7998**	**.00663**	**8.6475**	**.07122**	**.00686**	**37.493**
Stddev	.0124	.00108	.0203	.00042	.00021	.051
%RSD	.32631	16.252	.23457	.58774	3.0928	.13549
#1	3.8094	.00759	8.6310	.07083	.00664	37.439
#2	3.8041	.00547	8.6413	.07167	.00688	37.499
#3	3.7858	.00684	8.6701	.07116	.00706	37.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130208-B-5-A Acquired: 11/24/2021 18:32:27 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00148**	**.00154**	**-.00381**	**3.3506**	**.00177**
Stddev	.00044	.00066	.00239	.00243	.0075	.00049
%RSD	160.86	44.642	154.88	63.737	.22354	27.704
#1	-.00049	.00190	.00388	-.00134	3.3590	.00129
#2	.00023	.00072	.00165	-.00390	3.3447	.00175
#3	-.00058	.00183	-.00090	-.00620	3.3481	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19080**	**.00683**	**.00247**	**.00067**	**.00665**
Stddev	.00854	.00030	.00068	.00284	.00017
%RSD	4.4736	4.3262	27.510	425.33	2.6225
#1	.19021	.00666	.00169	-.00217	.00677
#2	.18258	.00717	.00288	.00351	.00645
#3	.19962	.00665	.00285	.00066	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2015.4**	**3655.9**	**56493.**	**5160.7**
Stddev	7.5	14.9	189.	13.5
%RSD	.37039	.40643	.33428	.26073
#1	2012.2	3647.9	56710.	5166.4
#2	2023.9	3673.0	56364.	5145.3
#3	2010.0	3646.7	56406.	5170.3

Sample Name: 180-130208-D-7-A Acquired: 11/24/2021 18:37:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.21789**	**.00193**	**.13299**	**.00180**	**-.00004**
Stddev	.00016	.01225	.00082	.00015	.00015	.00005
%RSD	129.16	5.6201	42.270	.11149	8.1777	109.66
#1	.00023	.21842	.00268	.13311	.00172	-.00009
#2	.00019	.20539	.00106	.13303	.00197	-.00004
#3	-.00006	.22987	.00205	.13283	.00170	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**286.76**	**.00030**	**.00063**	**.00017**	**.00330**	**.00687**
Stddev	.54	.00008	.00029	.00036	.00108	.00262
%RSD	.18745	27.265	46.750	206.64	32.731	38.082
#1	286.99	.00034	.00051	-.00022	.00342	.00440
#2	286.14	.00021	.00096	.00049	.00431	.00961
#3	287.14	.00036	.00041	.00025	.00216	.00660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.158**	**.01310**	**11.070**	**.00356**	**.09080**	**100.79**
Stddev	.093	.00027	.020	.00007	.00089	.08
%RSD	.43873	2.0521	.17933	2.1013	.97708	.07479
#1	21.201	.01328	11.050	.00359	.08988	100.77
#2	21.051	.01323	11.071	.00348	.09088	100.87
#3	21.221	.01279	11.089	.00362	.09165	100.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130208-D-7-A Acquired: 11/24/2021 18:37:06 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**.00143**	**.00322**	**.00192**	**1.0742**	**.00314**
Stddev	.00055	.00081	.00270	.00072	.0190	.00033
%RSD	12.391	56.463	83.863	37.385	1.7709	10.507
#1	.00511	.00167	.00431	.00270	1.0586	.00341
#2	.00419	.00053	.00015	.00129	1.0954	.00277
#3	.00411	.00210	.00521	.00176	1.0686	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.51349**	**.16222**	**.00152**	**.02291**	**.00172**
Stddev	.00478	.00040	.00138	.00388	.00004
%RSD	.93014	.24653	90.630	16.942	2.5152
#1	.51723	.16196	.00311	.02736	.00175
#2	.50811	.16202	.00082	.02111	.00173
#3	.51512	.16268	.00064	.02025	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1818.1**	**3467.9**	**53814.**	**5097.7**
Stddev	2.6	3.9	229.	12.3
%RSD	.14478	.11191	.42505	.24042
#1	1820.9	3471.9	54011.	5111.8
#2	1817.9	3467.5	53563.	5090.3
#3	1815.6	3464.2	53867.	5090.9

Sample Name: CCV 4546440 Acquired: 11/24/2021 18:41:47 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98724**	**23.879**	**.50470**	**2.0404**	**1.9805**	**1.9592**
Stddev	.00555	.212	.00146	.0046	.0044	.0082
%RSD	.56244	.88593	.29016	.22384	.22326	.41888
#1	.98083	23.635	.50511	2.0449	1.9768	1.9544
#2	.99027	23.995	.50591	2.0358	1.9792	1.9546
#3	.99063	24.008	.50307	2.0405	1.9854	1.9687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.339**	**.50025**	**2.0051**	**1.8803**	**1.9898**	**23.850**
Stddev	.180	.00039	.0026	.0059	.0099	.142
%RSD	.38112	.07768	.13190	.31338	.49676	.59733
#1	47.146	.50001	2.0021	1.8736	1.9792	23.748
#2	47.504	.50005	2.0072	1.8831	1.9914	23.789
#3	47.367	.50070	2.0059	1.8843	1.9988	24.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.36**	**2.0698**	**45.936**	**1.8733**	**1.9581**	**116.79**
Stddev	.76	.0062	.225	.0092	.0036	.82
%RSD	.64289	.30133	.48984	.49113	.18496	.70309
#1	118.07	2.0649	45.677	1.8637	1.9550	116.47
#2	117.78	2.0676	46.046	1.8743	1.9571	116.17
#3	119.22	2.0768	46.086	1.8820	1.9621	117.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 18:41:47 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9858**	**.48676**	**.50872**	**.49990**	**1.8856**	**1.8842**
Stddev	.0014	.00315	.00030	.00121	.0208	.0013
%RSD	.07062	.64741	.05852	.24201	1.1014	.06683
#1	1.9844	.48652	.50844	.50114	1.8617	1.8836
#2	1.9872	.48374	.50903	.49984	1.8965	1.8857
#3	1.9859	.49003	.50869	.49872	1.8987	1.8834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8913**	**1.9514**	**.96249**	**1.9580**	**1.8776**
Stddev	.0169	.0024	.00320	.0090	.0030
%RSD	.89159	.12059	.33287	.46151	.15982
#1	1.8758	1.9488	.95880	1.9484	1.8744
#2	1.8888	1.9519	.96458	1.9594	1.8803
#3	1.9092	1.9534	.96408	1.9663	1.8782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.8**	**3585.3**	**54578.**	**5116.0**
Stddev	2.3	9.3	333.	30.4
%RSD	.12386	.26014	.60970	.59374
#1	1820.0	3577.3	54914.	5150.9
#2	1819.1	3583.1	54572.	5095.8
#3	1823.4	3595.6	54248.	5101.2

Sample Name: CCB15 Acquired: 11/24/2021 18:46:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.03013**	**-.00094**	**.00221**	**.00010**	**.00008**
Stddev	.00018	.01176	.00160	.00043	.00002	.00013
%RSD	45.672	39.022	171.23	19.252	18.873	168.17
#1	.00041	-.04353	.00045	.00260	.00010	.00012
#2	.00020	-.02152	-.00269	.00175	.00012	-.00007
#3	.00055	-.02535	-.00057	.00229	.00008	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.00004**	**-.00010**	**.00047**	**.00072**	**-.00017**
Stddev	.00256	.00002	.00007	.00010	.00051	.00122
%RSD	211.46	50.427	69.718	22.345	71.724	719.14
#1	-.00341	.00006	-.00009	.00056	.00122	.00078
#2	-.00181	.00005	-.00004	.00036	.00019	-.00155
#3	.00160	.00002	-.00018	.00048	.00074	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31400**	**.00301**	**-.01152**	**-.00001**	**.00900**	**.77060**
Stddev	.00378	.00116	.03113	.00003	.00119	.00681
%RSD	1.2034	38.399	270.16	207.77	13.268	.88368
#1	.31681	.00269	.01875	.00000	.01016	.77530
#2	.31548	.00429	-.00986	-.00005	.00906	.76279
#3	.30970	.00205	-.04345	.00000	.00778	.77371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB15 Acquired: 11/24/2021 18:46:10 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00115**	**.00108**	**.00209**	**-.00676**	**.00106**
Stddev	.00034	.00128	.00048	.00005	.01770	.00051
%RSD	65.724	110.93	44.286	2.3973	261.70	48.121
#1	-.00022	-.00100	.00055	.00213	.01366	.00053
#2	-.00088	.00004	.00120	.00210	-.01758	.00155
#3	-.00043	-.00250	.00149	.00203	-.01637	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00317**	**.00022**	**.00150**	**.00142**	**-.00005**
Stddev	.00266	.00012	.00011	.00365	.00003
%RSD	84.013	53.032	7.1276	257.38	70.111
#1	-.00160	.00012	.00138	.00322	-.00009
#2	-.00166	.00020	.00154	.00381	-.00004
#3	-.00625	.00035	.00159	-.00278	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2173.0**	**3810.0**	**59133.**	**5234.0**
Stddev	12.1	19.5	135.	29.3
%RSD	.55754	.51126	.22827	.56018
#1	2183.0	3829.2	58988.	5261.5
#2	2159.5	3790.2	59156.	5203.1
#3	2176.4	3810.7	59255.	5237.5

Sample Name: 180-130247-D-1-A Acquired: 11/24/2021 18:50:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.30123**	**.00121**	**.00517**	**.00589**	**.00000**
Stddev	.00027	.02366	.00042	.00045	.00031	.00002
%RSD	162.77	7.8538	34.911	8.7850	5.2457	380.58
#1	-.00009	.32140	.00077	.00470	.00558	.00002
#2	.00045	.27519	.00125	.00521	.00620	-.00001
#3	.00014	.30709	.00161	.00561	.00590	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7172**	**.00002**	**.00012**	**.00036**	**.00310**	**.02358**
Stddev	.0034	.00004	.00026	.00010	.00093	.00442
%RSD	.19642	160.11	210.56	26.780	30.071	18.738
#1	1.7133	.00000	.00023	.00025	.00304	.01849
#2	1.7186	-.00000	.00032	.00039	.00220	.02642
#3	1.7196	.00007	-.00017	.00043	.00406	.02583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22670**	**.00100**	**.10940**	**.00636**	**.00277**	**3.9476**
Stddev	.01299	.00191	.02289	.00002	.00012	.0193
%RSD	5.7280	191.91	20.918	.31728	4.4456	.48805
#1	.24089	-.00033	.13529	.00634	.00290	3.9274
#2	.21540	.00013	.09184	.00638	.00266	3.9496
#3	.22381	.00319	.10109	.00635	.00276	3.9658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-1-A Acquired: 11/24/2021 18:50:53 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00009**	**.00214**	**-.00568**	**.08790**	**.00241**
Stddev	.00008	.00007	.00033	.00134	.00826	.00018
%RSD	14.059	82.608	15.490	23.613	9.4004	7.5406
#1	-.00062	-.00011	.00248	-.00534	.07988	.00221
#2	-.00047	-.00001	.00213	-.00455	.09639	.00249
#3	-.00051	-.00014	.00182	-.00716	.08744	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00455**	**.00052**	**.00080**	**.00325**	**.01919**
Stddev	.00140	.00019	.00084	.00402	.00004
%RSD	30.785	36.654	104.82	123.42	.20450
#1	.00610	.00035	-.00004	-.00070	.01917
#2	.00339	.00073	.00080	.00313	.01917
#3	.00416	.00049	.00163	.00733	.01923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2192.4**	**3833.4**	**59326.**	**5289.3**
Stddev	6.4	6.8	137.	30.5
%RSD	.29122	.17645	.23084	.57582
#1	2197.0	3841.0	59469.	5301.8
#2	2195.1	3831.2	59196.	5254.5
#3	2185.1	3828.0	59314.	5311.5

Sample Name: 180-130247-D-2-A Acquired: 11/24/2021 18:55:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.41224**	**.00131**	**.03226**	**.02828**	**-.00004**
Stddev	.00016	.00857	.00114	.00020	.00027	.00016
%RSD	77.802	2.0794	86.832	.63349	.93781	378.88
#1	.00006	.41983	.00117	.03217	.02797	-.00021
#2	.00019	.41394	.00251	.03249	.02839	-.00000
#3	.00038	.40294	.00025	.03211	.02846	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.117**	**.00010**	**.00077**	**.00228**	**.00840**	**.52817**
Stddev	.090	.00007	.00017	.00039	.00016	.00504
%RSD	.63657	76.046	21.603	17.304	1.9106	.95491
#1	14.027	.00007	.00093	.00273	.00852	.52235
#2	14.117	.00004	.00060	.00203	.00847	.53079
#3	14.207	.00018	.00077	.00207	.00822	.53137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9024**	**.00269**	**1.0431**	**.06785**	**.00222**	**42.273**
Stddev	.0148	.00106	.0114	.00035	.00010	.228
%RSD	.77696	39.346	1.0911	.51321	4.5637	.53845
#1	1.9174	.00171	1.0536	.06754	.00224	42.160
#2	1.9021	.00382	1.0310	.06823	.00230	42.125
#3	1.8878	.00256	1.0446	.06779	.00211	42.535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-2-A Acquired: 11/24/2021 18:55:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00313**	**.00382**	**-.00289**	**2.0364**	**.00261**
Stddev	.00027	.00146	.00136	.00164	.0342	.00058
%RSD	69.158	46.619	35.480	56.840	1.6776	22.076
#1	.00065	.00450	.00231	-.00338	2.0370	.00219
#2	.00043	.00160	.00422	-.00106	2.0019	.00236
#3	.00011	.00329	.00493	-.00424	2.0703	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04307**	**.00454**	**.00113**	**.00482**	**.07778**
Stddev	.00109	.00020	.00105	.00241	.00031
%RSD	2.5213	4.3597	93.498	50.069	.39988
#1	.04356	.00443	.00170	.00203	.07800
#2	.04383	.00476	.00177	.00625	.07792
#3	.04183	.00441	-.00009	.00618	.07743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2071.9**	**3757.9**	**57767.**	**5264.2**
Stddev	2.0	9.6	280.	27.0
%RSD	.09788	.25563	.48447	.51305
#1	2072.8	3760.7	57921.	5278.4
#2	2069.6	3747.2	57444.	5281.2
#3	2073.3	3765.8	57935.	5233.1

Sample Name: 180-130247-D-3-A Acquired: 11/24/2021 19:00:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.91651**	**.00262**	**.01319**	**.01513**	**-.00001**
Stddev	.00018	.01251	.00072	.00034	.00029	.00008
%RSD	820.36	1.3651	27.538	2.5858	1.8867	663.43
#1	.00004	.91905	.00344	.01357	.01536	.00008
#2	.00012	.90292	.00208	.01291	.01523	-.00008
#3	-.00023	.92755	.00234	.01308	.01481	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9064**	**.00004**	**.00050**	**.00215**	**.01323**	**.51280**
Stddev	.0092	.00006	.00032	.00005	.00013	.00480
%RSD	.10341	163.50	63.480	2.2881	1.0193	.93693
#1	8.8959	.00009	.00077	.00216	.01308	.50726
#2	8.9131	-.00003	.00015	.00219	.01334	.51543
#3	8.9102	.00005	.00060	.00210	.01327	.51572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6337**	**.00231**	**.58842**	**.02799**	**.00208**	**73.986**
Stddev	.0412	.00102	.03387	.00011	.00013	.200
%RSD	1.5655	44.031	5.7566	.40623	6.3565	.26972
#1	2.6637	.00250	.59465	.02790	.00205	73.898
#2	2.6506	.00322	.55187	.02795	.00196	74.214
#3	2.5867	.00121	.61875	.02812	.00222	73.846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-A Acquired: 11/24/2021 19:00:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00004**	**.00304**	**-.00099**	**1.8831**	**.00294**
Stddev	.00031	.00074	.00028	.00237	.0042	.00023
%RSD	22.998	1824.3	9.3586	240.47	.22538	7.8740
#1	.00105	-.00074	.00333	-.00150	1.8870	.00306
#2	.00166	-.00011	.00305	.00160	1.8838	.00267
#3	.00129	.00073	.00276	-.00306	1.8786	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03769**	**.00745**	**.00114**	**.00624**	**.03727**
Stddev	.00829	.00015	.00006	.00107	.00016
%RSD	22.005	2.0435	5.1290	17.195	.43462
#1	.03065	.00738	.00110	.00615	.03745
#2	.03559	.00762	.00121	.00522	.03713
#3	.04684	.00734	.00113	.00736	.03724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2031.9**	**3749.9**	**57365.**	**5245.0**
Stddev	3.0	4.8	243.	34.8
%RSD	.14772	.12747	.42444	.66363
#1	2034.8	3753.4	57509.	5285.0
#2	2028.8	3744.4	57502.	5228.8
#3	2032.1	3751.8	57084.	5221.3

Sample Name: 180-130247-D-3A SD@5 Acquired: 11/24/2021 19:04:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.16751**	**-.00016**	**.00334**	**.00296**	**.00001**
Stddev	.00035	.03170	.00088	.00021	.00010	.00002
%RSD	333.11	18.927	563.81	6.1482	3.3520	197.94
#1	.00016	.13395	.00086	.00357	.00301	-.00002
#2	-.00027	.19696	-.00074	.00328	.00302	.00002
#3	.00042	.17162	-.00059	.00318	.00284	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7905**	**.00012**	**-.00004**	**.00033**	**.00277**	**.10135**
Stddev	.0132	.00011	.00031	.00046	.00006	.00428
%RSD	.73457	93.106	784.04	139.09	2.1858	4.2265
#1	1.7755	-.00001	-.00001	-.00017	.00278	.10488
#2	1.8002	.00018	.00025	.00042	.00283	.09659
#3	1.7957	.00019	-.00036	.00073	.00271	.10260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70243**	**.00150**	**.12589**	**.00570**	**.00093**	**15.179**
Stddev	.02536	.00051	.00298	.00002	.00028	.084
%RSD	3.6111	33.892	2.3693	.35442	30.086	.55569
#1	.67891	.00199	.12603	.00572	.00125	15.235
#2	.72931	.00098	.12880	.00571	.00074	15.082
#3	.69906	.00151	.12284	.00568	.00079	15.220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3A SD@5 Acquired: 11/24/2021 19:04:54 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00168**	**-.00020**	**-.00343**	**.36933**	**.00104**
Stddev	.00020	.00055	.00179	.00079	.01384	.00046
%RSD	125.93	32.624	889.35	23.180	3.7463	43.928
#1	.00001	-.00229	-.00184	-.00288	.37784	.00068
#2	-.00039	-.00121	-.00047	-.00306	.35337	.00156
#3	-.00010	-.00155	.00171	-.00434	.37679	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.00151**	**.00075**	**.00424**	**.00779**
Stddev	.00260	.00013	.00088	.00326	.00005
%RSD	63.573	8.3555	116.99	76.771	.65508
#1	.00706	.00144	-.00026	.00360	.00783
#2	.00230	.00143	.00119	.00778	.00773
#3	.00289	.00166	.00132	.00135	.00781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2116.4**	**3757.7**	**57916.**	**5184.8**
Stddev	5.1	11.5	99.	20.1
%RSD	.24302	.30549	.17113	.38755
#1	2110.6	3744.6	58024.	5169.1
#2	2118.2	3762.4	57893.	5207.5
#3	2120.4	3766.1	57830.	5178.0

Sample Name: 180-130247-D-3-B MS Acquired: 11/24/2021 19:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26378**	**6.1458**	**1.1546**	**1.4533**	**1.0738**	**.52953**
Stddev	.00013	.0180	.0109	.0163	.0023	.00096
%RSD	.05086	.29230	.94624	1.1229	.21314	.18184
#1	.26366	6.1446	1.1561	1.4523	1.0716	.52884
#2	.26393	6.1285	1.1430	1.4376	1.0735	.52911
#3	.26377	6.1644	1.1647	1.4702	1.0762	.53063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.644**	**.54861**	**.54371**	**.51189**	**.54861**	**5.7014**
Stddev	.083	.00588	.00543	.00031	.00227	.0087
%RSD	.23839	1.0709	.99872	.05972	.41363	.15323
#1	34.731	.54830	.54426	.51154	.54708	5.6942
#2	34.634	.54289	.53803	.51209	.55122	5.6989
#3	34.566	.55463	.54885	.51205	.54754	5.7112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.742**	**.55382**	**25.168**	**.53336**	**.52513**	**103.99**
Stddev	.046	.00118	.117	.00123	.00707	.41
%RSD	.15871	.21294	.46535	.23005	1.3455	.39661
#1	28.723	.55300	25.101	.53196	.52252	103.58
#2	28.709	.55328	25.101	.53388	.51975	103.99
#3	28.794	.55517	25.304	.53424	.53313	104.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-B MS Acquired: 11/24/2021 19:09:35 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53322**	**.51760**	**.27442**	**1.1297**	**3.0830**	**1.0477**
Stddev	.00451	.00420	.00087	.0112	.0294	.0108
%RSD	.84663	.81133	.31653	.98739	.95493	1.0270
#1	.53326	.51923	.27399	1.1266	3.0717	1.0490
#2	.52869	.51284	.27385	1.1204	3.0609	1.0364
#3	.53772	.52075	.27542	1.1421	3.1164	1.0578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.53766**	**.53906**	**1.0639**	**.53034**	**.30150**
Stddev	.01008	.00162	.0109	.00517	.00323
%RSD	1.8750	.30076	1.0246	.97504	1.0712
#1	.53541	.53872	1.0712	.53504	.30219
#2	.52890	.54082	1.0513	.53119	.29798
#3	.54868	.53763	1.0691	.52480	.30433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1889.0**	**3595.1**	**56272.**	**5207.5**
Stddev	15.5	31.7	140.	23.7
%RSD	.82091	.88278	.24843	.45540
#1	1892.4	3601.7	56430.	5182.2
#2	1902.5	3623.1	56224.	5211.1
#3	1872.1	3560.6	56163.	5229.2

Sample Name: 180-130247-D-3-C MSD Acquired: 11/24/2021 19:13:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26155**	**6.2206**	**1.1476**	**1.4574**	**1.0742**	**.53146**
Stddev	.00047	.0565	.0120	.0139	.0024	.00189
%RSD	.17914	.90799	1.0493	.95214	.22658	.35651
#1	.26200	6.2811	1.1374	1.4447	1.0762	.53335
#2	.26106	6.1692	1.1609	1.4722	1.0748	.52956
#3	.26158	6.2114	1.1445	1.4555	1.0715	.53148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.324**	**.54704**	**.53819**	**.51187**	**.54289**	**5.8650**
Stddev	.050	.00506	.00572	.00098	.00176	.0058
%RSD	.14127	.92567	1.0627	.19186	.32468	.09907
#1	35.360	.54269	.53220	.51235	.54491	5.8629
#2	35.345	.55260	.54360	.51074	.54210	5.8605
#3	35.267	.54583	.53877	.51252	.54166	5.8716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.544**	**.55190**	**25.643**	**.53100**	**.52757**	**108.88**
Stddev	.103	.00235	.069	.00094	.00551	.30
%RSD	.34984	.42565	.26715	.17702	1.0437	.27927
#1	29.660	.55339	25.625	.53059	.52175	109.23
#2	29.462	.55312	25.586	.53208	.53270	108.66
#3	29.512	.54919	25.719	.53034	.52826	108.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130247-D-3-C MSD Acquired: 11/24/2021 19:13:57 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52936**	**.51470**	**.27485**	**1.1328**	**3.1686**	**1.0366**
Stddev	.00536	.00318	.00298	.0107	.0207	.0096
%RSD	1.0127	.61863	1.0841	.94230	.65350	.92749
#1	.52323	.51103	.27146	1.1233	3.1874	1.0256
#2	.53314	.51640	.27702	1.1444	3.1464	1.0437
#3	.53172	.51668	.27608	1.1308	3.1720	1.0403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.54843**	**.53766**	**1.0542**	**.52849**	**.30370**
Stddev	.00906	.00017	.0080	.00212	.00232
%RSD	1.6513	.03132	.75605	.40024	.76350
#1	.55572	.53775	1.0460	.53030	.30156
#2	.53829	.53777	1.0619	.52899	.30616
#3	.55127	.53747	1.0547	.52616	.30336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1896.7**	**3603.1**	**56362.**	**5231.1**
Stddev	16.7	27.1	35.	6.9
%RSD	.88119	.75103	.06188	.13170
#1	1915.1	3630.3	56388.	5235.8
#2	1882.4	3576.1	56322.	5234.3
#3	1892.6	3602.9	56376.	5223.2

Sample Name: CCV 4546440 Acquired: 11/24/2021 19:18:19 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97924**	**23.974**	**.51269**	**2.0521**	**1.9848**	**1.9837**
Stddev	.00418	.073	.00303	.0029	.0020	.0085
%RSD	.42704	.30405	.59128	.13916	.10138	.43059
#1	.97464	23.992	.51516	2.0545	1.9846	1.9777
#2	.98280	24.036	.51362	2.0530	1.9868	1.9799
#3	.98030	23.894	.50931	2.0489	1.9828	1.9934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.455**	**.50418**	**2.0047**	**1.9023**	**1.9724**	**24.178**
Stddev	.043	.00069	.0042	.0045	.0132	.076
%RSD	.09051	.13603	.21154	.23369	.66813	.31262
#1	47.405	.50427	2.0072	1.8988	1.9576	24.104
#2	47.479	.50345	1.9998	1.9007	1.9831	24.175
#3	47.481	.50482	2.0071	1.9073	1.9764	24.255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.44**	**2.0729**	**46.330**	**1.8709**	**1.9965**	**120.10**
Stddev	.63	.0055	.196	.0050	.0057	.60
%RSD	.52486	.26476	.42316	.26965	.28686	.50219
#1	120.24	2.0768	46.230	1.8660	1.9923	119.80
#2	119.93	2.0753	46.205	1.8705	1.9942	119.71
#3	121.15	2.0666	46.556	1.8761	2.0031	120.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 19:18:19 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**.48375**	**.51580**	**.50946**	**1.9011**	**1.9030**
Stddev	.0006	.00193	.00288	.00386	.0094	.0023
%RSD	.03298	.39955	.55793	.75727	.49165	.11892
#1	1.9854	.48542	.51643	.51391	1.8905	1.9020
#2	1.9849	.48420	.51266	.50739	1.9080	1.9014
#3	1.9862	.48164	.51831	.50708	1.9049	1.9056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9031**	**1.9599**	**.96839**	**1.9760**	**1.8903**
Stddev	.0034	.0037	.00536	.0028	.0025
%RSD	.17812	.19104	.55371	.14213	.13433
#1	1.9035	1.9559	.97292	1.9792	1.8887
#2	1.9063	1.9606	.96979	1.9749	1.8890
#3	1.8996	1.9633	.96247	1.9739	1.8932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1820.6**	**3558.5**	**54795.**	**5060.6**
Stddev	2.2	3.4	149.	14.4
%RSD	.12176	.09549	.27232	.28478
#1	1818.0	3556.2	54947.	5073.2
#2	1822.1	3556.9	54790.	5063.8
#3	1821.5	3562.4	54648.	5044.9

Sample Name: CCB16 Acquired: 11/24/2021 19:22:41 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00133**	**.00181**	**.00273**	**.00005**	**-.00010**
Stddev	.00056	.01093	.00112	.00031	.00014	.00003
%RSD	2566.0	822.59	61.716	11.310	286.49	27.622
#1	.00058	.01237	.00052	.00251	.00022	-.00012
#2	-.00052	-.00948	.00249	.00308	-.00004	-.00011
#3	-.00013	.00110	.00241	.00259	-.00003	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00006**	**-.00027**	**-.00002**	**.00052**	**.00053**
Stddev	.00266	.00009	.00029	.00010	.00008	.00181
%RSD	161.73	155.94	109.65	437.59	15.612	344.08
#1	.00205	.00004	-.00009	.00009	.00062	.00239
#2	-.00119	-.00002	-.00061	-.00004	.00046	-.00124
#3	.00407	.00016	-.00011	-.00012	.00049	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25159**	**.00283**	**.01138**	**-.00002**	**.00913**	**.62728**
Stddev	.02748	.00098	.00702	.00004	.00093	.00992
%RSD	10.922	34.440	61.729	237.55	10.195	1.5808
#1	.28277	.00263	.01523	.00000	.01015	.63501
#2	.23094	.00390	.00327	-.00007	.00892	.63074
#3	.24104	.00198	.01563	.00001	.00833	.61610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB16 Acquired: 11/24/2021 19:22:41 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00085**	**.00262**	**-.00005**	**-.00030**	**.00023**
Stddev	.00025	.00091	.00154	.00249	.01439	.00018
%RSD	160.91	106.55	58.869	4877.0	4739.3	78.116
#1	-.00044	-.00152	.00197	.00275	.01040	.00026
#2	-.00000	.00018	.00439	-.00089	.00536	.00040
#3	-.00002	-.00123	.00152	-.00201	-.01667	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00373**	**.00014**	**.00136**	**.00420**	**-.00014**
Stddev	.00043	.00002	.00031	.00203	.00005
%RSD	11.554	16.434	23.060	48.368	32.711
#1	-.00323	.00012	.00170	.00588	-.00019
#2	-.00399	.00013	.00110	.00194	-.00016
#3	-.00396	.00016	.00126	.00478	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2177.7**	**3794.5**	**58912.**	**5163.7**
Stddev	10.0	19.8	201.	24.8
%RSD	.46003	.52214	.34199	.48012
#1	2184.6	3804.1	59052.	5137.9
#2	2182.3	3807.7	59003.	5165.9
#3	2166.2	3771.7	58681.	5187.3

Sample Name: MB 180-379858/1-A Acquired: 11/24/2021 19:27:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00524**	**.00076**	**.00138**	**.00009**	**-.00008**
Stddev	.00018	.01239	.00296	.00022	.00013	.00005
%RSD	59.860	236.69	391.53	16.174	137.09	60.419
#1	.00010	-.00762	.00322	.00163	.00023	-.00005
#2	.00036	-.01627	.00157	.00131	-.00003	-.00014
#3	.00044	.00818	-.00252	.00120	.00009	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01495**	**-.00005**	**.00013**	**.00021**	**.00090**	**.00282**
Stddev	.00385	.00006	.00012	.00015	.00037	.00217
%RSD	25.769	131.28	92.353	69.309	41.448	76.777
#1	.01908	-.00009	.00026	.00007	.00056	.00101
#2	.01146	.00003	.00012	.00020	.00130	.00223
#3	.01429	-.00008	.00002	.00037	.00083	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15691**	**.00019**	**-.01673**	**.00002**	**.00332**	**.52344**
Stddev	.01056	.00095	.00366	.00003	.00003	.00268
%RSD	6.7288	499.11	21.884	164.99	.84364	.51137
#1	.16853	.00042	-.01259	-.00002	.00335	.52556
#2	.14791	-.00086	-.01808	.00004	.00330	.52431
#3	.15429	.00100	-.01953	.00004	.00330	.52043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379858/1-A Acquired: 11/24/2021 19:27:24 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00085**	**.00204**	**-.00237**	**.02352**	**.00403**
Stddev	.00044	.00024	.00146	.00362	.00745	.00050
%RSD	114.30	28.199	71.829	152.77	31.684	12.423
#1	-.00082	-.00112	.00207	.00000	.01644	.00419
#2	.00006	-.00080	.00348	-.00653	.02283	.00443
#3	-.00040	-.00064	.00056	-.00057	.03129	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00012**	**.00210**	**.00250**	**-.00051**
Stddev	.00291	.00008	.00107	.00277	.00009
%RSD	296.78	62.978	50.716	110.68	18.423
#1	-.00226	.00017	.00108	-.00068	-.00040
#2	.00181	.00016	.00202	.00380	-.00055
#3	.00339	.00003	.00320	.00438	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2187.8**	**3836.4**	**59357.**	**5238.0**
Stddev	3.9	6.7	354.	34.2
%RSD	.17651	.17560	.59719	.65387
#1	2183.8	3829.4	59117.	5202.5
#2	2188.1	3842.9	59764.	5240.5
#3	2191.5	3836.8	59190.	5270.9

Sample Name: 180-130323-A-1-A Acquired: 11/24/2021 19:32:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26526**	**5.1378**	**1.0657**	**1.3960**	**1.0068**	**.50665**
Stddev	.00188	.0541	.0026	.0017	.0105	.00558
%RSD	.70838	1.0520	.24777	.12267	1.0404	1.1020
#1	.26498	5.0763	1.0659	1.3978	.99503	.50022
#2	.26727	5.1775	1.0683	1.3944	1.0101	.50951
#3	.26354	5.1596	1.0630	1.3958	1.0152	.51023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.380**	**.51741**	**.50529**	**.49963**	**.51996**	**5.1374**
Stddev	.249	.00017	.00096	.00392	.00762	.0748
%RSD	.97923	.03210	.18951	.78544	1.4653	1.4559
#1	25.094	.51723	.50639	.49967	.51622	5.0515
#2	25.541	.51742	.50465	.50354	.52873	5.1881
#3	25.505	.51757	.50483	.49569	.51493	5.1725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.348**	**.52669**	**24.546**	**.49667**	**.49496**	**25.706**
Stddev	.317	.00541	.290	.00418	.00173	.426
%RSD	1.2520	1.0277	1.1830	.84147	.34925	1.6572
#1	24.982	.52045	24.223	.49544	.49340	25.222
#2	25.517	.52945	24.628	.50133	.49466	25.872
#3	25.545	.53015	24.786	.49325	.49682	26.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-1-A Acquired: 11/24/2021 19:32:05 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49539**	**.48494**	**.25742**	**1.0479**	**1.0127**	**.99144**
Stddev	.00146	.00243	.00136	.0050	.0244	.00070
%RSD	.29440	.50078	.52667	.48182	2.4079	.07102
#1	.49707	.48244	.25682	1.0459	.98470	.99075
#2	.49453	.48729	.25646	1.0442	1.0244	.99142
#3	.49456	.48508	.25897	1.0537	1.0291	.99216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47945**	**.51659**	**1.0114**	**.49702**	**.25346**
Stddev	.01582	.00579	.0033	.00559	.00081
%RSD	3.3002	1.1216	.32373	1.1240	.32028
#1	.46197	.51709	1.0150	.49073	.25355
#2	.48357	.52212	1.0087	.50142	.25423
#3	.49280	.51056	1.0105	.49890	.25261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1990.8**	**3713.8**	**56070.**	**5216.0**
Stddev	2.8	3.3	484.	44.9
%RSD	.13940	.08910	.86273	.86062
#1	1987.7	3712.3	56333.	5266.7
#2	1993.2	3717.6	55512.	5181.2
#3	1991.5	3711.6	56366.	5200.3

Sample Name: 180-130323-A-2-A Acquired: 11/24/2021 19:36:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25980**	**5.0537**	**1.0864**	**1.3883**	**1.0258**	**.51515**
Stddev	.00253	.0470	.0019	.0034	.0040	.00103
%RSD	.97210	.92954	.17423	.24302	.39013	.19917
#1	.25761	5.0024	1.0881	1.3920	1.0221	.51396
#2	.26257	5.0946	1.0868	1.3855	1.0252	.51573
#3	.25924	5.0640	1.0844	1.3872	1.0301	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.019**	**.52584**	**.51280**	**.49882**	**.51982**	**5.0559**
Stddev	.096	.00054	.00052	.00335	.00515	.0144
%RSD	.38505	.10175	.10136	.67119	.99146	.28522
#1	24.927	.52645	.51259	.49636	.51745	5.0395
#2	25.010	.52563	.51339	.50263	.52573	5.0666
#3	25.119	.52545	.51242	.49745	.51628	5.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.038**	**.53531**	**24.172**	**.49654**	**.50920**	**25.428**
Stddev	.108	.00251	.122	.00373	.00032	.067
%RSD	.43290	.46953	.50431	.75167	.06208	.26471
#1	25.035	.53309	24.069	.49370	.50944	25.389
#2	24.931	.53481	24.140	.50076	.50884	25.390
#3	25.147	.53804	24.306	.49515	.50932	25.506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-2-A Acquired: 11/24/2021 19:36:26 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50223**	**.48922**	**.25691**	**1.0684**	**1.0150**	**1.0141**
Stddev	.00115	.00124	.00026	.0025	.0065	.0046
%RSD	.22949	.25330	.10098	.23394	.63721	.45332
#1	.50279	.48874	.25717	1.0688	1.0211	1.0134
#2	.50299	.48829	.25689	1.0657	1.0156	1.0190
#3	.50090	.49063	.25665	1.0706	1.0082	1.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48274**	**.51764**	**1.0307**	**.50886**	**.25382**
Stddev	.01259	.00379	.0042	.00253	.00074
%RSD	2.6085	.73261	.40626	.49760	.28984
#1	.48367	.51459	1.0271	.51167	.25302
#2	.49483	.52189	1.0353	.50675	.25447
#3	.46970	.51645	1.0297	.50818	.25398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1990.5**	**3704.7**	**56802.**	**5186.7**
Stddev	3.9	4.6	434.	27.4
%RSD	.19734	.12321	.76484	.52846
#1	1995.0	3706.8	57103.	5215.4
#2	1988.1	3707.8	56304.	5183.8
#3	1988.3	3699.4	57000.	5160.8

Sample Name: 180-130323-A-3-A Acquired: 11/24/2021 19:40:48 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25894**	**5.1774**	**1.0935**	**1.3937**	**1.0226**	**.51360**
Stddev	.00112	.0064	.0022	.0051	.0026	.00175
%RSD	.43363	.12328	.20516	.36442	.25344	.34032
#1	.25839	5.1702	1.0927	1.3983	1.0251	.51541
#2	.26023	5.1823	1.0918	1.3882	1.0228	.51346
#3	.25820	5.1798	1.0961	1.3945	1.0199	.51192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.696**	**.52579**	**.51461**	**.49542**	**.51786**	**5.1980**
Stddev	.080	.00041	.00240	.00167	.00157	.0417
%RSD	.31318	.07820	.46655	.33718	.30398	.80152
#1	25.751	.52603	.51540	.49715	.51656	5.2192
#2	25.733	.52531	.51191	.49381	.51961	5.2248
#3	25.603	.52602	.51651	.49529	.51740	5.1500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.718**	**.53534**	**24.819**	**.49325**	**.51337**	**26.067**
Stddev	.066	.00135	.201	.00113	.00307	.038
%RSD	.25714	.25288	.80872	.22930	.59804	.14762
#1	25.713	.53501	24.863	.49289	.51101	26.109
#2	25.786	.53683	24.993	.49451	.51226	26.057
#3	25.654	.53419	24.599	.49234	.51684	26.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-3-A Acquired: 11/24/2021 19:40:48 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50341**	**.48848**	**.25542**	**1.0683**	**1.0261**	**1.0192**
Stddev	.00112	.00271	.00178	.0024	.0051	.0064
%RSD	.22258	.55496	.69824	.22755	.49391	.62462
#1	.50468	.49009	.25726	1.0699	1.0205	1.0163
#2	.50256	.48535	.25532	1.0695	1.0304	1.0148
#3	.50300	.49000	.25369	1.0655	1.0273	1.0265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48650**	**.51288**	**1.0396**	**.50942**	**.25433**
Stddev	.01093	.00107	.0057	.00927	.00116
%RSD	2.2469	.20850	.54941	1.8200	.45502
#1	.47506	.51410	1.0380	.51850	.25374
#2	.49683	.51210	1.0348	.50979	.25360
#3	.48761	.51245	1.0459	.49997	.25567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.7**	**3695.9**	**56995.**	**5195.0**
Stddev	6.8	9.8	22.	33.2
%RSD	.34230	.26552	.03928	.63853
#1	1979.7	3697.9	56980.	5206.5
#2	1987.9	3704.5	56986.	5157.6
#3	1974.4	3685.2	57021.	5220.9

Sample Name: 180-130323-A-4-A Acquired: 11/24/2021 19:45:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25616**	**4.9435**	**1.0814**	**1.3762**	**1.0041**	**.50640**
Stddev	.00210	.0201	.0068	.0028	.0014	.00089
%RSD	.82094	.40626	.62725	.20202	.13745	.17559
#1	.25495	4.9666	1.0782	1.3747	1.0042	.50538
#2	.25493	4.9303	1.0892	1.3794	1.0027	.50680
#3	.25859	4.9336	1.0768	1.3745	1.0055	.50701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.369**	**.52215**	**.51204**	**.49577**	**.50861**	**4.9708**
Stddev	.117	.00139	.00179	.00261	.00404	.0175
%RSD	.48128	.26628	.34956	.52585	.79467	.35151
#1	24.301	.52304	.51371	.49332	.50485	4.9634
#2	24.303	.52287	.51228	.49549	.50809	4.9907
#3	24.505	.52055	.51015	.49851	.51288	4.9582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.487**	**.52575**	**23.751**	**.49081**	**.51141**	**24.886**
Stddev	.051	.00195	.102	.00274	.00072	.075
%RSD	.20724	.37065	.43055	.55796	.14117	.30321
#1	24.450	.52673	23.816	.48843	.51074	24.910
#2	24.465	.52351	23.633	.49020	.51217	24.946
#3	24.545	.52702	23.804	.49381	.51131	24.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130323-A-4-A Acquired: 11/24/2021 19:45:09 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49914**	**.48469**	**.25694**	**1.0520**	**1.0073**	**1.0150**
Stddev	.00093	.00099	.00136	.0027	.0070	.0030
%RSD	.18731	.20442	.53010	.25773	.69898	.29904
#1	.50008	.48566	.25538	1.0503	1.0119	1.0156
#2	.49913	.48368	.25785	1.0505	.99915	1.0177
#3	.49821	.48473	.25760	1.0551	1.0108	1.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47708**	**.51101**	**1.0334**	**.50607**	**.25392**
Stddev	.00558	.00332	.0059	.00611	.00111
%RSD	1.1693	.64887	.57520	1.2064	.43688
#1	.47282	.50809	1.0354	.50880	.25486
#2	.47504	.51033	1.0381	.49908	.25421
#3	.48340	.51462	1.0267	.51034	.25269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1985.0**	**3701.8**	**57050.**	**5227.3**
Stddev	3.5	6.6	289.	33.4
%RSD	.17460	.17752	.50582	.63926
#1	1982.5	3699.1	57329.	5245.6
#2	1983.6	3697.0	57067.	5247.7
#3	1988.9	3709.3	56753.	5188.8

Sample Name: MB 180-379158/1-A Acquired: 11/24/2021 19:49:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00212**	**.00273**	**.00243**	**.00030**	**-.00012**
Stddev	.00006	.00570	.00135	.00039	.00011	.00005
%RSD	39.592	269.25	49.511	16.031	38.430	42.653
#1	.00010	.00099	.00171	.00260	.00018	-.00017
#2	.00014	.00830	.00221	.00271	.00029	-.00013
#3	.00022	-.00294	.00426	.00199	.00041	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05748**	**.00001**	**.00033**	**.00127**	**.00101**	**.01106**
Stddev	.00177	.00004	.00009	.00019	.00022	.00218
%RSD	3.0860	327.72	27.691	14.938	21.235	19.751
#1	.05589	-.00002	.00038	.00129	.00089	.01083
#2	.05939	.00000	.00023	.00108	.00089	.01335
#3	.05716	.00005	.00039	.00146	.00126	.00900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09545**	**.00053**	**-.01445**	**.00015**	**.00708**	**.43732**
Stddev	.01674	.00022	.01962	.00003	.00075	.00300
%RSD	17.539	42.344	135.74	17.100	10.562	.68673
#1	.11297	.00043	.00072	.00012	.00787	.44066
#2	.09376	.00037	-.00747	.00016	.00698	.43483
#3	.07962	.00079	-.03660	.00016	.00639	.43647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379158/1-A Acquired: 11/24/2021 19:49:31 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00085**	**.00212**	**.00087**	**.00348**	**.00508**
Stddev	.00061	.00171	.00034	.00068	.00159	.00089
%RSD	221.43	202.03	16.220	78.492	45.562	17.602
#1	.00043	-.00272	.00237	.00137	.00213	.00518
#2	-.00055	-.00044	.00173	.00116	.00523	.00414
#3	-.00070	.00062	.00226	.00009	.00309	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00603**	**.00025**	**.00192**	**.00113**	**-.00004**
Stddev	.00216	.00012	.00073	.00097	.00010
%RSD	35.777	47.580	37.981	85.408	272.48
#1	.00625	.00038	.00191	.00118	-.00013
#2	.00808	.00023	.00119	.00014	.00007
#3	.00378	.00014	.00265	.00207	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2175.1**	**3820.3**	**59483.**	**5251.3**
Stddev	2.7	7.1	414.	34.5
%RSD	.12641	.18494	.69637	.65721
#1	2172.0	3812.4	59691.	5211.9
#2	2177.2	3822.7	59751.	5266.4
#3	2176.2	3825.9	59006.	5275.8

Sample Name: 180-130027-A-1-A Acquired: 11/24/2021 19:54:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25787**	**4.8864**	**1.0873**	**1.3700**	**1.0065**	**.51139**
Stddev	.00212	.0256	.0020	.0013	.0032	.00247
%RSD	.82104	.52292	.18758	.09222	.32032	.48285
#1	.25621	4.9036	1.0855	1.3688	1.0087	.51264
#2	.26025	4.8570	1.0895	1.3713	1.0028	.50855
#3	.25715	4.8985	1.0869	1.3699	1.0079	.51299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.027**	**.52404**	**.51563**	**.50065**	**.51165**	**4.8998**
Stddev	.075	.00045	.00153	.00380	.00263	.0250
%RSD	.31380	.08597	.29624	.75823	.51387	.50934
#1	24.108	.52369	.51442	.49901	.50876	4.8916
#2	23.959	.52455	.51512	.50499	.51390	4.8799
#3	24.014	.52389	.51735	.49795	.51228	4.9278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.141**	**.52998**	**23.290**	**.49246**	**.51343**	**24.414**
Stddev	.154	.00216	.097	.00300	.00302	.116
%RSD	.63900	.40718	.41469	.60943	.58916	.47361
#1	24.227	.53234	23.266	.49067	.50995	24.367
#2	23.963	.52809	23.207	.49592	.51495	24.329
#3	24.234	.52952	23.396	.49078	.51540	24.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-1-A Acquired: 11/24/2021 19:54:13 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50071**	**.48382**	**.25618**	**1.0462**	**.99887**	**1.0269**
Stddev	.00067	.00212	.00249	.0010	.00402	.0026
%RSD	.13359	.43859	.97003	.09385	.40219	.25236
#1	.50006	.48173	.25441	1.0451	.99582	1.0256
#2	.50067	.48375	.25902	1.0464	1.0034	1.0299
#3	.50139	.48597	.25511	1.0471	.99737	1.0252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47693**	**.51253**	**1.0423**	**.51326**	**.26015**
Stddev	.00899	.00293	.0025	.00305	.00090
%RSD	1.8850	.57255	.24407	.59487	.34481
#1	.48230	.51101	1.0394	.51524	.25913
#2	.46655	.51591	1.0435	.50975	.26080
#3	.48194	.51067	1.0440	.51480	.26052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1986.5**	**3696.0**	**56948.**	**5155.6**
Stddev	4.2	2.9	477.	10.8
%RSD	.21189	.07789	.83836	.20857
#1	1989.1	3699.2	57303.	5144.5
#2	1988.7	3693.5	56405.	5165.9
#3	1981.6	3695.2	57137.	5156.4

Sample Name: 180-130027-A-2-A Acquired: 11/24/2021 19:58:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25779**	**4.8008**	**1.0934**	**1.3764**	**1.0058**	**.50908**
Stddev	.00192	.0211	.0065	.0075	.0037	.00055
%RSD	.74418	.43956	.59328	.54345	.36492	.10712
#1	.25633	4.7965	1.0905	1.3711	1.0044	.50963
#2	.25708	4.8237	1.0889	1.3732	1.0099	.50906
#3	.25996	4.7821	1.1009	1.3849	1.0030	.50854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.853**	**.52440**	**.51732**	**.49683**	**.51142**	**4.8673**
Stddev	.088	.00237	.00211	.00317	.00522	.0201
%RSD	.36789	.45182	.40716	.63878	1.0207	.41211
#1	23.903	.52304	.51556	.49377	.50961	4.8455
#2	23.903	.52303	.51674	.49663	.50735	4.8850
#3	23.751	.52714	.51965	.50011	.51731	4.8713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.992**	**.52939**	**23.108**	**.49151**	**.51764**	**24.366**
Stddev	.040	.00145	.065	.00189	.00371	.047
%RSD	.16528	.27412	.27966	.38508	.71743	.19126
#1	24.038	.52827	23.157	.49104	.51482	24.355
#2	23.966	.53103	23.131	.48990	.51626	24.417
#3	23.972	.52888	23.035	.49359	.52185	24.326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-2-A Acquired: 11/24/2021 19:58:34 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50286**	**.48543**	**.25717**	**1.0621**	**.98681**	**1.0317**
Stddev	.00324	.00453	.00369	.0073	.01208	.0046
%RSD	.64525	.93352	1.4348	.68236	1.2245	.44482
#1	.50051	.48023	.25372	1.0542	.97911	1.0306
#2	.50151	.48756	.25673	1.0636	1.0007	1.0278
#3	.50656	.48851	.26106	1.0685	.98058	1.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47585**	**.50958**	**1.0503**	**.50706**	**.25495**
Stddev	.00643	.00102	.0043	.00419	.00090
%RSD	1.3511	.20020	.40478	.82699	.35175
#1	.47703	.50967	1.0481	.50240	.25440
#2	.46891	.50852	1.0476	.50829	.25446
#3	.48160	.51055	1.0552	.51051	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.0**	**3695.4**	**57069.**	**5209.2**
Stddev	10.0	14.4	232.	13.7
%RSD	.50534	.39073	.40667	.26280
#1	1989.0	3703.5	57162.	5193.4
#2	1981.7	3703.9	57240.	5216.3
#3	1969.2	3678.7	56805.	5217.9

Sample Name: 180-130027-A-3-A Acquired: 11/24/2021 20:02:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25304**	**4.8970**	**1.1063**	**1.3638**	**1.0295**	**.51814**
Stddev	.00157	.0575	.0018	.0046	.0054	.00007
%RSD	.62034	1.1732	.15893	.33560	.52665	.01367
#1	.25455	4.8717	1.1083	1.3602	1.0256	.51822
#2	.25315	4.9627	1.1056	1.3689	1.0357	.51809
#3	.25141	4.8565	1.1050	1.3622	1.0273	.51811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.318**	**.52784**	**.51754**	**.50326**	**.51533**	**4.9838**
Stddev	.064	.00045	.00219	.00110	.00332	.0145
%RSD	.26203	.08464	.42250	.21827	.64353	.29146
#1	24.314	.52757	.51902	.50438	.51782	4.9994
#2	24.383	.52836	.51858	.50219	.51659	4.9814
#3	24.256	.52760	.51503	.50322	.51156	4.9706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.554**	**.53551**	**23.560**	**.49555**	**.52308**	**24.952**
Stddev	.132	.00240	.165	.00239	.00186	.112
%RSD	.53808	.44781	.70037	.48155	.35519	.44690
#1	24.425	.53472	23.749	.49804	.52093	24.835
#2	24.689	.53821	23.444	.49533	.52419	25.057
#3	24.546	.53361	23.488	.49328	.52411	24.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-3-A Acquired: 11/24/2021 20:02:56 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50602**	**.48805**	**.25584**	**1.0844**	**.99839**	**1.0387**
Stddev	.00175	.00238	.00106	.0072	.01023	.0025
%RSD	.34556	.48719	.41256	.65975	1.0248	.23697
#1	.50767	.48982	.25530	1.0792	1.0056	1.0375
#2	.50621	.48899	.25516	1.0926	.98668	1.0415
#3	.50418	.48535	.25706	1.0815	1.0029	1.0370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48528**	**.51744**	**1.0534**	**.51305**	**.25092**
Stddev	.00535	.00102	.0043	.00916	.00097
%RSD	1.1023	.19670	.40884	1.7851	.38735
#1	.48043	.51860	1.0565	.50284	.25148
#2	.48439	.51702	1.0552	.52056	.25148
#3	.49102	.51670	1.0485	.51574	.24980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1972.8**	**3658.0**	**56974.**	**5176.7**
Stddev	4.1	8.7	288.	22.0
%RSD	.20728	.23710	.50595	.42420
#1	1971.2	3667.0	56723.	5154.3
#2	1969.7	3649.7	56911.	5177.7
#3	1977.4	3657.2	57289.	5198.2

Sample Name: 180-130027-A-4-A Acquired: 11/24/2021 20:07:18 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24733**	**4.8713**	**1.0968**	**1.3516**	**1.0268**	**.51889**
Stddev	.00151	.0112	.0159	.0176	.0063	.00338
%RSD	.61189	.23049	1.4482	1.3010	.61007	.65079
#1	.24885	4.8814	1.0901	1.3389	1.0317	.52273
#2	.24731	4.8592	1.0854	1.3442	1.0289	.51638
#3	.24582	4.8734	1.1150	1.3716	1.0197	.51757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.073**	**.52617**	**.51390**	**.49477**	**.50603**	**4.9787**
Stddev	.138	.00713	.00646	.00235	.00263	.0422
%RSD	.57256	1.3544	1.2575	.47415	.51897	.84748
#1	24.225	.52301	.51243	.49206	.50891	5.0103
#2	24.036	.52117	.50830	.49625	.50541	4.9951
#3	23.957	.53433	.52097	.49599	.50376	4.9308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.669**	**.53004**	**23.502**	**.48815**	**.51682**	**25.144**
Stddev	.182	.00288	.158	.00043	.00655	.111
%RSD	.73885	.54421	.67088	.08732	1.2673	.44089
#1	24.861	.53298	23.683	.48766	.51369	25.251
#2	24.647	.52992	23.429	.48842	.51241	25.150
#3	24.499	.52722	23.394	.48837	.52434	25.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130027-A-4-A Acquired: 11/24/2021 20:07:18 Type: Unk
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50326**	**.48880**	**.25307**	**1.0781**	**1.0260**	**1.0273**
Stddev	.00679	.00716	.00434	.0126	.0075	.0131
%RSD	1.3493	1.4649	1.7141	1.1663	.73030	1.2734
#1	.50121	.48577	.24909	1.0720	1.0338	1.0244
#2	.49772	.48366	.25241	1.0697	1.0254	1.0159
#3	.51083	.49698	.25769	1.0925	1.0189	1.0416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49208**	**.51144**	**1.0393**	**.51157**	**.24724**
Stddev	.00683	.00121	.0128	.00473	.00433
%RSD	1.3884	.23724	1.2312	.92543	1.7533
#1	.49859	.51010	1.0382	.51517	.24555
#2	.48497	.51174	1.0270	.50621	.24400
#3	.49269	.51247	1.0525	.51333	.25216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1972.0**	**3657.5**	**57402.**	**5160.0**
Stddev	22.2	40.4	111.	20.1
%RSD	1.1245	1.1055	.19421	.38871
#1	1980.8	3675.3	57391.	5137.2
#2	1988.5	3685.9	57297.	5175.1
#3	1946.8	3611.2	57519.	5167.6

Sample Name: CCV 4546440 Acquired: 11/24/2021 20:11:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97770**	**23.930**	**.51281**	**2.0529**	**1.9752**	**1.9830**
Stddev	.00120	.059	.00477	.0129	.0052	.0067
%RSD	.12309	.24732	.93071	.62602	.26224	.33898
#1	.97806	23.998	.50853	2.0406	1.9810	1.9908
#2	.97868	23.899	.51796	2.0662	1.9738	1.9787
#3	.97636	23.892	.51194	2.0520	1.9709	1.9796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.443**	**.50611**	**2.0191**	**1.9089**	**1.9636**	**24.291**
Stddev	.095	.00277	.0094	.0046	.0039	.037
%RSD	.19952	.54787	.46700	.23994	.19605	.15350
#1	47.552	.50365	2.0124	1.9126	1.9637	24.334
#2	47.380	.50912	2.0299	1.9038	1.9673	24.268
#3	47.396	.50557	2.0150	1.9102	1.9597	24.272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.79**	**2.0687**	**46.294**	**1.8705**	**2.0159**	**121.33**
Stddev	.34	.0023	.205	.0035	.0137	.33
%RSD	.28113	.11182	.44183	.18660	.67701	.27199
#1	121.18	2.0688	46.518	1.8743	2.0033	121.68
#2	120.57	2.0663	46.248	1.8674	2.0304	121.02
#3	120.62	2.0709	46.116	1.8698	2.0140	121.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/24/2021 20:11:40 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9931**	**.48172**	**.51546**	**.51103**	**1.8987**	**1.9213**
Stddev	.0094	.00532	.00404	.00198	.0165	.0112
%RSD	.46937	1.1040	.78425	.38827	.86932	.58009
#1	1.9851	.47883	.51244	.50949	1.8917	1.9106
#2	2.0034	.48785	.52005	.51327	1.9175	1.9328
#3	1.9908	.47846	.51389	.51033	1.8868	1.9206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8845**	**1.9572**	**.97821**	**1.9775**	**1.9062**
Stddev	.0122	.0035	.00602	.0064	.0101
%RSD	.64694	.17654	.61512	.32278	.52785
#1	1.8971	1.9603	.97504	1.9757	1.8961
#2	1.8728	1.9535	.98515	1.9721	1.9163
#3	1.8838	1.9577	.97444	1.9845	1.9060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1813.7**	**3550.7**	**54824.**	**5024.8**
Stddev	7.5	16.1	149.	12.3
%RSD	.41569	.45378	.27232	.24397
#1	1815.9	3560.9	54656.	5010.7
#2	1805.3	3532.1	54943.	5030.6
#3	1819.9	3559.1	54872.	5033.1

Sample Name: CCB17 Acquired: 11/24/2021 20:16:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00670**	**.00266**	**.00357**	**.00007**	**-.00011**
Stddev	.00025	.01163	.00165	.00027	.00019	.00005
%RSD	180.95	173.60	61.829	7.6223	284.98	48.358
#1	-.00039	-.00441	.00356	.00355	.00025	-.00010
#2	-.00011	.00572	.00076	.00331	-.00012	-.00016
#3	.00010	.01879	.00367	.00386	.00007	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00330**	**-.00001**	**-.00001**	**.00016**	**.00081**	**.00043**
Stddev	.00191	.00014	.00012	.00034	.00051	.00276
%RSD	58.074	1947.0	813.69	215.24	62.214	642.94
#1	-.00539	.00011	-.00012	-.00003	.00066	-.00270
#2	-.00287	.00004	-.00004	.00054	.00138	.00149
#3	-.00163	-.00016	.00011	-.00005	.00040	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19043**	**.00212**	**.01143**	**-.00000**	**.01014**	**.46544**
Stddev	.01015	.00110	.00906	.00004	.00099	.00554
%RSD	5.3324	51.769	79.268	1304.5	9.7563	1.1904
#1	.20031	.00332	.00262	-.00005	.01120	.46455
#2	.18003	.00118	.01095	.00000	.00998	.47137
#3	.19093	.00185	.02073	.00004	.00925	.46040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB17 Acquired: 11/24/2021 20:16:02 Type: QC
Method: PITT-6500ICP-2(v5065) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211124B Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00022**	**.00100**	**.00244**	**.00261**	**.00083**
Stddev	.00024	.00088	.00173	.00121	.01216	.00013
%RSD	36.263	396.66	173.20	49.610	466.46	15.434
#1	-.00063	-.00009	-.00099	.00260	.01659	.00096
#2	-.00044	.00122	.00219	.00356	-.00544	.00081
#3	-.00092	-.00046	.00179	.00116	-.00334	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00353**	**.00024**	**.00029**	**.00298**	**-.00008**
Stddev	.00288	.00013	.00126	.00279	.00004
%RSD	81.388	52.886	429.37	93.758	55.514
#1	-.00077	.00011	-.00060	.00072	-.00008
#2	-.00332	.00024	.00173	.00211	-.00012
#3	-.00651	.00036	-.00025	.00610	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.5**	**3759.0**	**58984.**	**5083.9**
Stddev	22.0	38.4	244.	15.7
%RSD	1.0217	1.0203	.41400	.30784
#1	2163.8	3786.7	58986.	5083.9
#2	2158.2	3775.1	58739.	5068.3
#3	2123.3	3715.2	59227.	5099.6

Sample Name: STD1 Acquired: 11/26/2021 7:44:01 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00012**	**.00123**	**.00020**	**.00037**	**.00596**	**-.00187**
Stddev	.00008	.00038	.00012	.00005	.00087	.00011
%RSD	64.137	30.924	59.291	13.448	14.637	5.7440
#1	-.00004	.00155	.00010	.00032	.00690	-.00175
#2	-.00020	.00081	.00017	.00042	.00517	-.00194
#3	-.00014	.00132	.00033	.00036	.00582	-.00192

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00708**	**.00055**	**.00073**	**-.00008**	**-.00308**	**.00100**
Stddev	.00059	.00013	.00058	.00004	.00013	.00027
%RSD	8.2860	24.269	78.834	53.005	4.2475	26.546
#1	.00641	.00066	.00016	-.00007	-.00313	.00113
#2	.00732	.00040	.00073	-.00012	-.00293	.00118
#3	.00750	.00059	.00131	-.00004	-.00318	.00070

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01949**	**.00767**	**-.00049**	**.00013**	**.00028**	**.11561**
Stddev	.00253	.00181	.00034	.00002	.00003	.00362
%RSD	13.001	23.559	69.738	18.819	9.1240	3.1299
#1	.01948	.00563	-.00026	.00012	.00031	.11922
#2	.02203	.00835	-.00033	.00011	.00028	.11562
#3	.01696	.00905	-.00088	.00016	.00026	.11198

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00192**	**-.00011**	**-.00006**	**.00016**	**.00047**	**.00068**
Stddev	.00028	.00050	.00009	.00023	.00041	.00011
%RSD	14.396	467.42	133.06	142.78	86.604	16.528
#1	.00169	-.00053	-.00013	.00011	.00008	.00057
#2	.00223	.00044	.00003	.00040	.00089	.00067
#3	.00184	-.00023	-.00010	-.00004	.00044	.00079

Sample Name: STD1 Acquired: 11/26/2021 7:44:01 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00055**	**.00010**	**-.00061**	**-.00038**	**.00091**
Stddev	.00054	.00004	.00007	.00028	.00011
%RSD	99.626	38.335	11.299	74.655	11.784
#1	-.00016	.00015	-.00066	-.00010	.00097
#2	-.00031	.00007	-.00064	-.00037	.00098
#3	-.00117	.00009	-.00053	-.00066	.00079

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2220.4**	**3572.3**	**55502.**	**4593.2**
Stddev	6.1	3.0	75.	28.0
%RSD	.27285	.08412	.13553	.60947
#1	2219.0	3571.4	55581.	4601.4
#2	2227.0	3575.7	55493.	4562.0
#3	2215.2	3569.9	55432.	4616.2

Sample Name: STD2A Acquired: 11/26/2021 7:48:40 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag	As	B_	Ba	Be	Cd
Line	328.068 {103}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}	228.802 {447}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.60234**	**.07404**	**1.1673**	**18.971**	**14.734**	**2.2534**
Stddev	.00274	.00019	.0026	.068	.062	.0021
%RSD	.45523	.25248	.21903	.35659	.42181	.09435
#1	.60519	.07407	1.1659	18.902	14.664	2.2538
#2	.59972	.07384	1.1657	18.973	14.757	2.2511
#3	.60211	.07421	1.1702	19.038	14.782	2.2553

Elem	Co	Cr	Cu	Li	Mn	Mo
Line	228.616 {447}	267.716 {126}	327.396 {103}	670.784 { 50}	257.610 {131}	202.030 {467}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.0826**	**.64985**	**.77464**	**7.3244**	**4.3783**	**2.8812**
Stddev	.0153	.00370	.00371	.0138	.0147	.0061
%RSD	.21638	.56948	.47852	.18913	.33677	.21096
#1	7.0991	.65357	.77877	7.3134	4.3906	2.8765
#2	7.0687	.64617	.77161	7.3199	4.3620	2.8792
#3	7.0800	.64979	.77354	7.3400	4.3823	2.8881

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.9686**	**.39191**	**.13896**	**.05853**	**.12517**	**.98066**
Stddev	.0032	.00077	.00045	.00022	.00112	.00228
%RSD	.10862	.19694	.32145	.37526	.89702	.23225
#1	2.9721	.39175	.13857	.05878	.12551	.98238
#2	2.9659	.39123	.13887	.05836	.12608	.97808
#3	2.9678	.39275	.13945	.05847	.12391	.98153

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.36438**	**2.5149**	**.38903**	**.40687**	**3.4770**
Stddev	.00277	.0058	.00073	.00064	.0041
%RSD	.75934	.23209	.18847	.15796	.11840
#1	.36275	2.5212	.38819	.40617	3.4779
#2	.36282	2.5097	.38954	.40703	3.4725
#3	.36757	2.5138	.38937	.40742	3.4806

Sample Name: STD2A Acquired: 11/26/2021 7:48:40 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2110.6**	**3519.3**	**54738.**	**4662.2**
Stddev	4.6	3.6	208.	19.2
%RSD	.21774	.10309	.38009	.41183
#1	2105.3	3516.2	54609.	4676.6
#2	2113.2	3523.3	54978.	4640.4
#3	2113.3	3518.4	54627.	4669.6

Sample Name: STD3 Acquired: 11/26/2021 7:52:56 Type: Cal
Method: PITT-6500ICP-2(v5066) Mode: IR Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al	Ca	Fe	K_	Mg	Na
Line	308.215 {109}	317.933 {106}	259.940 {130}	766.490 { 44}	279.079 {121}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.97159**	**9.8918**	**4.3684**	**17.636**	**.93089**	**61.844**
Stddev	.00010	.0151	.0194	.078	.00381	.293
%RSD	.01005	.15270	.44471	.44095	.40963	.47433
#1	.97168	9.9030	4.3744	17.679	.93315	62.113
#2	.97161	9.8979	4.3842	17.683	.93302	61.887
#3	.97148	9.8746	4.3468	17.546	.92648	61.531

Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	**4453.9**
Stddev	18.7
%RSD	.42080
#1	4451.5
#2	4436.4
#3	4473.7

Sample Name: ICV 4512252 Acquired: 11/26/2021 7:57:45 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48927**	**12.254**	**.25693**	**1.0157**	**1.0005**	**1.0015**
Stddev	.00477	.203	.00609	.0244	.0185	.0191
%RSD	.97407	1.6569	2.3706	2.4048	1.8445	1.9047
#1	.49449	12.084	.25503	1.0032	.98391	.98689
#2	.48816	12.478	.25201	1.0000	1.0204	1.0231
#3	.48515	12.199	.26374	1.0438	.99719	.99456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.976**	**.25010**	**.99543**	**.96603**	**.96415**	**12.591**
Stddev	.499	.00592	.02108	.00824	.00810	.237
%RSD	1.9992	2.3673	2.1173	.85270	.84035	1.8839
#1	24.506	.24687	.98456	.97542	.97334	12.404
#2	25.500	.24650	.98201	.96266	.96105	12.858
#3	24.921	.25693	1.0197	.96001	.95805	12.511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.489**	**1.0104**	**24.543**	**.97139**	**.95296**	**49.188**
Stddev	.923	.0217	.529	.00621	.02253	.826
%RSD	1.9042	2.1454	2.1554	.63966	2.3644	1.6786
#1	47.781	.98925	24.173	.97772	.93935	48.621
#2	49.533	1.0326	25.149	.97115	.94057	50.135
#3	48.153	1.0094	24.307	.96530	.97897	48.807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/26/2021 7:57:45 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99684**	**.24554**	**.25133**	**.25167**	F **1.1806**	**.94552**
Stddev	.02405	.00570	.01015	.00692	.0311	.02218
%RSD	2.4125	2.3216	4.0373	2.7496	2.6331	2.3458
#1	.98320	.24409	.24637	.24907	1.1460	.93296
#2	.98271	.24070	.24460	.24642	1.2063	.93248
#3	1.0246	.25182	.26300	.25951	1.1894	.97113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1.0000	
Range					10.500%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.98538**	**.97228**	**.49670**	**.98306**	**.97717**
Stddev	.01403	.00580	.01342	.01896	.02258
%RSD	1.4238	.59604	2.7018	1.9288	2.3104
#1	.97102	.97850	.49071	.96984	.96511
#2	.99905	.97130	.48731	1.0048	.96317
#3	.98608	.96704	.51207	.97455	1.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1985.4**	**3460.5**	**53718.**	**4556.4**
Stddev	37.9	66.3	337.	63.4
%RSD	1.9064	1.9152	.62782	1.3917
#1	2004.3	3494.2	53357.	4615.1
#2	2010.1	3503.2	53772.	4489.2
#3	1941.9	3384.2	54025.	4564.9

Sample Name: ICV 4512252 Acquired: 11/26/2021 8:02:06 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49483**	**12.077**	**.25485**	**1.0082**	**.98076**	**.98172**
Stddev	.00459	.066	.00112	.0014	.00157	.00726
%RSD	.92759	.54414	.43960	.13491	.15998	.73941
#1	.49967	12.015	.25360	1.0092	.98123	.98194
#2	.49054	12.146	.25576	1.0088	.98204	.98887
#3	.49429	12.071	.25520	1.0066	.97901	.97435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.597**	**.24800**	**.98668**	**.97858**	**.97684**	**12.361**
Stddev	.102	.00045	.00325	.01071	.00944	.089
%RSD	.41487	.17960	.32953	1.0940	.96667	.72091
#1	24.561	.24776	.99000	.98992	.98487	12.345
#2	24.713	.24851	.98653	.96865	.96644	12.457
#3	24.519	.24772	.98350	.97717	.97922	12.281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.560**	**.99466**	**24.140**	**.97858**	**.94824**	**48.311**
Stddev	.435	.00195	.154	.00453	.00086	.442
%RSD	.91503	.19592	.63792	.46259	.09069	.91511
#1	47.636	.99677	24.243	.98377	.94889	48.537
#2	47.953	.99293	24.215	.97539	.94857	48.594
#3	47.092	.99427	23.963	.97660	.94727	47.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4512252 Acquired: 11/26/2021 8:02:06 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98995**	**.24524**	**.24616**	**.24812**	F **1.1372**	W **.93812**
Stddev	.00351	.00308	.00182	.00136	.0065	.00283
%RSD	.35439	1.2573	.73956	.54750	.57527	.30125
#1	.99372	.24875	.24786	.24719	1.1426	.94044
#2	.98935	.24300	.24639	.24968	1.1391	.93895
#3	.98678	.24396	.24424	.24749	1.1299	.93497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn
Value					1.0000	1.0000
Range					10.500%	-5.5000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.97705**	**.97898**	**.49293**	**.97102**	**.96959**
Stddev	.01566	.00460	.00295	.01151	.00182
%RSD	1.6025	.46941	.59920	1.1850	.18762
#1	.99136	.98372	.49584	.97992	.97095
#2	.97946	.97455	.49301	.97510	.97029
#3	.96033	.97868	.48994	.95802	.96752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.3**	**3477.3**	**53173.**	**4578.0**
Stddev	4.7	4.5	408.	60.6
%RSD	.23613	.13034	.76798	1.3239
#1	1992.6	3474.2	52705.	4572.0
#2	1997.3	3475.1	53455.	4520.5
#3	2002.1	3482.5	53359.	4641.3

Sample Name: ICBIS Acquired: 11/26/2021 8:06:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00247**	**.00053**	**.00169**	**.00005**	**-.00006**
Stddev	.00008	.00794	.00140	.00025	.00002	.00004
%RSD	69.451	321.81	264.51	14.551	50.062	71.480
#1	.00014	-.01157	.00018	.00176	.00004	-.00005
#2	.00002	.00119	.00207	.00190	.00008	-.00011
#3	.00017	.00298	-.00067	.00142	.00003	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00599**	**-.00007**	**.00004**	**.00045**	**.00093**	**-.00586**
Stddev	.00315	.00003	.00017	.00052	.00032	.00294
%RSD	52.603	44.839	419.74	114.05	34.628	50.265
#1	-.00903	-.00004	-.00006	.00104	.00074	-.00898
#2	-.00619	-.00010	-.00005	.00007	.00130	-.00544
#3	-.00274	-.00008	.00023	.00025	.00075	-.00314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05499**	**.00044**	**.02140**	**.00003**	**.00601**	**-.06296**
Stddev	.00875	.00069	.04312	.00002	.00045	.01047
%RSD	15.906	157.91	201.52	68.095	7.4394	16.624
#1	.04537	.00036	.04088	.00003	.00653	-.05162
#2	.05715	-.00021	-.02803	.00006	.00576	-.06500
#3	.06246	.00116	.05134	.00001	.00575	-.07225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 11/26/2021 8:06:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00208**	**.00035**	**-.00011**	**.00805**	**-.00033**
Stddev	.00048	.00161	.00028	.00206	.00377	.00055
%RSD	241.90	77.599	78.397	1797.5	46.827	169.01
#1	-.00076	.00292	.00027	-.00173	.00648	-.00094
#2	.00008	.00310	.00067	.00220	.01236	.00011
#3	.00008	.00022	.00013	-.00082	.00533	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00026**	**-.00083**	**.00405**	**.00024**
Stddev	.00431	.00025	.00071	.00331	.00011
%RSD	437.34	94.862	84.891	81.610	48.355
#1	.00563	.00052	-.00099	.00168	.00032
#2	.00018	.00002	-.00006	.00264	.00011
#3	-.00286	.00025	-.00145	.00783	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2215.0**	**3556.8**	**55995.**	**4627.9**
Stddev	60.4	95.3	152.	12.9
%RSD	2.7263	2.6790	.27103	.27890
#1	2251.5	3613.0	55989.	4618.8
#2	2248.2	3610.6	56150.	4622.3
#3	2145.3	3446.8	55847.	4642.7

Sample Name: ICVL 4543482 Acquired: 11/26/2021 8:11:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	**.17175**	**.01024**	**.19748**	**.20105**	**.00410**
Stddev	.00036	.02175	.00149	.00227	.00182	.00008
%RSD	6.8019	12.665	14.542	1.1474	.90659	2.0598
#1	.00562	.18879	.00890	.19487	.20293	.00412
#2	.00491	.14725	.00999	.19887	.20093	.00401
#3	.00527	.17921	.01185	.19870	.19929	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0605**	**.00487**	**.04719**	**.00535**	**.02586**	**.09588**
Stddev	.0425	.00022	.00038	.00069	.00010	.00211
%RSD	.84089	4.5491	.80256	12.926	.40225	2.1990
#1	5.1015	.00468	.04676	.00512	.02574	.09347
#2	5.0635	.00482	.04736	.00480	.02591	.09739
#3	5.0165	.00511	.04746	.00613	.02594	.09679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7901**	**.04892**	**5.1544**	**.01514**	**.04010**	**4.7868**
Stddev	.0209	.00184	.0498	.00020	.00029	.0369
%RSD	.43711	3.7519	.96568	1.3224	.71625	.77145
#1	4.8001	.04864	5.1842	.01497	.03977	4.7963
#2	4.8042	.05088	5.1821	.01508	.04027	4.8181
#3	4.7661	.04725	5.0970	.01536	.04027	4.7461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4543482 Acquired: 11/26/2021 8:11:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03781**	**.01003**	**.00883**	**.01047**	**.57798**	**.09453**
Stddev	.00060	.00162	.00056	.00216	.00617	.00150
%RSD	1.5880	16.132	6.3156	20.602	1.0670	1.5842
#1	.03720	.00925	.00942	.00971	.58373	.09311
#2	.03782	.00895	.00831	.00880	.57873	.09438
#3	.03840	.01189	.00875	.01291	.57147	.09609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04945**	**.04993**	**.01848**	**.05139**	**.02018**
Stddev	.00450	.00030	.00026	.00197	.00035
%RSD	9.1090	.60799	1.4268	3.8373	1.7453
#1	.04435	.04979	.01855	.05353	.01978
#2	.05288	.04973	.01819	.05098	.02043
#3	.05112	.05028	.01870	.04966	.02033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2216.3**	**3616.4**	**54846.**	**4589.8**
Stddev	14.0	20.4	529.	32.1
%RSD	.63377	.56274	.96425	.69951
#1	2232.5	3639.9	55151.	4572.3
#2	2208.1	3603.4	55151.	4570.3
#3	2208.3	3606.0	54235.	4626.9

Sample Name: ICSA 4540660 Acquired: 11/26/2021 8:15:50 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**505.80**	**.00074**	**-.00369**	**.01318**	**.00005**
Stddev	.00050	7.06	.00226	.00035	.00024	.00011
%RSD	140.39	1.3951	304.39	9.5816	1.8033	215.43
#1	.00093	513.00	.00099	-.00406	.01345	-.00008
#2	.00013	505.52	-.00164	-.00363	.01309	.00014
#3	.00001	498.89	.00287	-.00336	.01301	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**471.87**	**.00002**	**.00052**	**.00119**	**.00011**	**182.50**
Stddev	4.08	.00020	.00015	.00034	.00056	2.33
%RSD	.86542	1251.9	28.711	28.642	491.16	1.2742
#1	475.50	-.00018	.00036	.00155	.00058	184.68
#2	472.67	.00000	.00066	.00113	.00026	182.76
#3	467.45	.00022	.00054	.00088	-.00050	180.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13874**	**.00647**	**500.57**	**.00099**	**.00000**	**.17097**
Stddev	.04839	.00063	7.45	.00009	.00028	.02017
%RSD	34.877	9.7844	1.4880	9.3677	9443.2	11.798
#1	.12786	.00714	507.38	.00102	-.00031	.19221
#2	.19164	.00588	501.71	.00089	.00023	.16861
#3	.09672	.00639	492.61	.00107	.00008	.15208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4540660 Acquired: 11/26/2021 8:15:50 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**-.00055**	**-.00349**	**.00576**	**-.01059**	**.00324**
Stddev	.00051	.00372	.00615	.00456	.00978	.00094
%RSD	8.1712	677.87	176.18	79.184	92.379	29.049
#1	.00597	-.00362	.00024	.00670	-.01764	.00325
#2	.00593	.00359	-.00013	.00080	.00058	.00419
#3	.00683	-.00161	-.01060	.00978	-.01470	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01970**	**-.00057**	**-.01079**	**.00089**	**.00048**
Stddev	.00519	.00004	.00356	.00736	.00007
%RSD	26.349	6.5603	32.975	828.04	14.927
#1	.01760	-.00053	-.00764	.00479	.00051
#2	.02562	-.00059	-.01009	.00548	.00053
#3	.01589	-.00059	-.01465	-.00760	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1672.5**	**3157.0**	**47717.**	**4406.1**
Stddev	5.1	3.2	243.	70.1
%RSD	.30460	.10230	.50924	1.5919
#1	1677.3	3159.5	47824.	4339.4
#2	1673.0	3158.1	47439.	4399.7
#3	1667.1	3153.3	47888.	4479.2

Sample Name: ICSAB 4504561 Acquired: 11/26/2021 8:22:03 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0753**	**492.33**	**1.0442**	**10.055**	**.99711**	**.47920**
Stddev	.0057	.41	.0108	.110	.00081	.00027
%RSD	.52950	.08231	1.0305	1.0926	.08171	.05581
#1	1.0697	492.21	1.0415	9.9805	.99665	.47943
#2	1.0811	492.01	1.0561	10.181	.99663	.47891
#3	1.0751	492.79	1.0350	10.004	.99805	.47927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**461.09**	**1.0256**	**.98070**	**.94462**	**1.0634**	**179.76**
Stddev	3.15	.0117	.01189	.00775	.0068	.31
%RSD	.68372	1.1435	1.2126	.82026	.63692	.17312
#1	457.90	1.0165	.97112	.93604	1.0573	180.09
#2	464.20	1.0388	.99401	.95110	1.0707	179.48
#3	461.16	1.0215	.97698	.94671	1.0622	179.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**1.0761**	**490.49**	**.93660**	**.90929**	**10.456**
Stddev	.038	.0013	.79	.00413	.01066	.022
%RSD	.36989	.11973	.16161	.44074	1.1721	.21215
#1	10.290	1.0746	491.38	.93233	.90002	10.452
#2	10.215	1.0768	489.87	.94057	.92093	10.437
#3	10.261	1.0769	490.22	.93690	.90692	10.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4504561 Acquired: 11/26/2021 8:22:03 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97419**	**.94689**	**.95485**	**1.0070**	**9.7400**	**.87451**
Stddev	.01130	.00573	.01431	.0114	.0433	.01163
%RSD	1.1600	.60515	1.4988	1.1309	.44471	1.3296
#1	.96520	.94154	.94078	.99955	9.6938	.86572
#2	.98688	.95294	.96939	1.0201	9.7463	.88770
#3	.97048	.94618	.95440	1.0013	9.7798	.87012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94268**	**.97435**	**.90570**	**.94028**	**.88251**
Stddev	.00533	.00068	.00947	.00857	.00924
%RSD	.56489	.06963	1.0455	.91094	1.0475
#1	.93781	.97358	.89726	.93040	.87634
#2	.94185	.97462	.91594	.94468	.89314
#3	.94836	.97485	.90390	.94574	.87805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1674.5**	**3167.5**	**48644.**	**4546.8**
Stddev	17.2	27.7	246.	9.8
%RSD	1.0282	.87452	.50593	.21557
#1	1688.5	3187.0	48878.	4537.5
#2	1655.3	3135.8	48388.	4557.1
#3	1679.6	3179.6	48665.	4545.7

Sample Name: CCVHI 4493023 Acquired: 11/26/2021 8:26:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**301.85**	**.00071**	**.00359**	**10.084**	**.00003**
Stddev	.00044	1.55	.00356	.00076	.032	.00011
%RSD	500.66	.51232	499.60	21.092	.31775	405.03
#1	-.00018	303.62	.00244	.00334	10.121	.00015
#2	.00060	301.20	-.00338	.00444	10.071	-.00006
#3	-.00015	300.73	.00307	.00299	10.061	-.00001
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**291.34**	**-.00030**	**-.00249**	**9.6411**	**10.939**	**233.06**
Stddev	1.44	.00013	.00027	.0687	.099	.72
%RSD	.49317	41.970	10.651	.71211	.90316	.30987
#1	292.99	-.00042	-.00233	9.7201	11.053	233.87
#2	290.37	-.00017	-.00280	9.6072	10.884	232.83
#3	290.65	-.00033	-.00235	9.5959	10.880	232.48
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04540**	**.00292**	**302.71**	**9.1281**	**.00231**	**.09953**
Stddev	.02399	.00210	.92	.0016	.00047	.00159
%RSD	52.844	71.875	.30314	.01729	20.264	1.6001
#1	.05038	.00535	303.76	9.1288	.00280	.09847
#2	.01931	.00185	302.05	9.1292	.00228	.10136
#3	.06650	.00157	302.32	9.1263	.00186	.09875
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Sample Name: CCVHI 4493023 Acquired: 11/26/2021 8:26:28 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**9.5624**	**-.00221**	**.01286**	**10.029**	**.00185**
Stddev	.00089	.0296	.00180	.00695	.028	.00029
%RSD	18.480	.30921	81.674	54.048	.27458	15.660
#1	.00387	9.5488	-.00030	.02001	10.050	.00196
#2	.00563	9.5964	-.00243	.01244	9.9977	.00152
#3	.00503	9.5421	-.00389	.00613	10.039	.00206
Check ?	None	Chk Pass	None	None	Chk Pass	None
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01285**	**.00006**	**-.00068**	**.00185**	**9.1180**
Stddev	.00915	.00015	.00102	.00146	.0332
%RSD	71.193	256.03	148.97	78.774	.36387
#1	.02297	-.00002	-.00115	.00351	9.0830
#2	.01044	.00023	-.00139	.00075	9.1490
#3	.00515	-.00004	.00048	.00130	9.1220
Check ?	None	None	None	None	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1784.7**	**3252.7**	**49913.**	**4540.2**
Stddev	5.3	9.2	219.	20.8
%RSD	.29889	.28229	.43940	.45829
#1	1786.4	3260.5	49660.	4516.2
#2	1778.7	3242.6	50051.	4553.5
#3	1789.0	3255.0	50028.	4550.9

Sample Name: CCV 4546440 Acquired: 11/26/2021 8:31:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0024**	**24.589**	**.49660**	**2.0068**	**1.9718**	**1.9995**
Stddev	.0039	.221	.00331	.0035	.0187	.0237
%RSD	.38409	.89777	.66583	.17569	.94629	1.1841
#1	1.0022	24.366	.49852	2.0082	1.9542	1.9808
#2	1.0063	24.593	.49278	2.0093	1.9696	1.9917
#3	.99860	24.807	.49849	2.0027	1.9914	2.0261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.931**	**.49697**	**2.0133**	**1.9417**	**1.9677**	**24.834**
Stddev	.502	.00073	.0077	.0173	.0078	.292
%RSD	1.0057	.14707	.38517	.89115	.39591	1.1776
#1	49.472	.49671	2.0114	1.9493	1.9749	24.587
#2	49.854	.49779	2.0218	1.9539	1.9690	24.757
#3	50.467	.49640	2.0066	1.9219	1.9594	25.157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.61**	**2.0367**	**49.062**	**1.9199**	**1.9265**	**124.08**
Stddev	1.23	.0164	.535	.0069	.0011	1.20
%RSD	1.0237	.80485	1.0897	.35954	.05639	.96910
#1	119.64	2.0213	48.561	1.9202	1.9258	122.95
#2	120.19	2.0348	49.000	1.9266	1.9260	123.96
#3	122.00	2.0539	49.625	1.9128	1.9278	125.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 8:31:11 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0163**	**.49510**	**.48944**	**.49625**	**1.9782**	**1.8624**
Stddev	.0068	.00102	.00242	.00193	.0355	.0046
%RSD	.33867	.20689	.49485	.38940	1.7970	.24805
#1	2.0149	.49412	.48915	.49797	1.9534	1.8668
#2	2.0237	.49616	.49200	.49660	1.9621	1.8628
#3	2.0102	.49501	.48718	.49416	2.0189	1.8576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9821**	**1.9566**	**.95936**	**1.9914**	**1.9288**
Stddev	.0313	.0009	.00236	.0151	.0057
%RSD	1.5789	.04526	.24559	.75885	.29459
#1	1.9582	1.9569	.95872	1.9751	1.9285
#2	1.9707	1.9574	.96197	1.9940	1.9347
#3	2.0176	1.9556	.95739	2.0050	1.9233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1890.3**	**3418.5**	**52296.**	**4536.8**
Stddev	5.5	5.3	307.	61.0
%RSD	.29058	.15453	.58705	1.3437
#1	1893.9	3416.0	52261.	4592.0
#2	1884.0	3414.8	52008.	4546.9
#3	1893.1	3424.5	52619.	4471.4

Sample Name: CCB1 Acquired: 11/26/2021 8:35:33 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00473**	**.00155**	**.00405**	**.00014**	**.00009**
Stddev	.00016	.01854	.00099	.00024	.00011	.00003
%RSD	104.55	391.78	63.800	5.9352	78.396	29.729
#1	.00033	-.00519	.00091	.00430	.00022	.00011
#2	.00011	.01403	.00269	.00404	.00001	.00011
#3	.00002	-.02304	.00105	.00381	.00019	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00932**	**.00002**	**-.00004**	**.00009**	**.00056**	**-.00284**
Stddev	.00025	.00007	.00024	.00069	.00051	.00103
%RSD	2.6714	307.20	564.08	741.36	90.980	36.250
#1	-.00939	.00009	.00010	-.00053	-.00001	-.00320
#2	-.00904	-.00004	.00009	-.00002	.00070	-.00364
#3	-.00952	.00002	-.00032	.00083	.00097	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**-.00065**	**.03960**	**.00003**	**.00821**	**-.09177**
Stddev	.01112	.00059	.01946	.00003	.00090	.00482
%RSD	307.10	90.673	49.144	93.439	11.018	5.2488
#1	.01613	-.00118	.01726	.00002	.00917	-.09588
#2	-.00514	-.00075	.04865	.00006	.00808	-.09297
#3	-.00013	-.00002	.05289	.00001	.00737	-.08647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 11/26/2021 8:35:33 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00054**	**.00105**	**.00274**	**-.00145**	**-.00026**
Stddev	.00018	.00232	.00093	.00276	.00444	.00042
%RSD	88.913	426.59	89.008	100.75	305.56	163.11
#1	.00039	-.00151	.00035	.00298	-.00013	-.00007
#2	.00004	-.00222	.00068	-.00013	.00217	-.00073
#3	.00017	.00210	.00211	.00536	-.00640	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**.00043**	**.00072**	**.00650**	**.00042**
Stddev	.00495	.00010	.00100	.00463	.00020
%RSD	219.97	22.298	138.71	71.211	46.819
#1	.00030	.00036	.00172	.01040	.00043
#2	-.00143	.00039	-.00029	.00138	.00061
#3	.00788	.00054	.00073	.00773	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2249.7**	**3620.1**	**56115.**	**4636.6**
Stddev	7.9	18.8	489.	16.9
%RSD	.35277	.51875	.87164	.36511
#1	2258.5	3636.6	56240.	4621.2
#2	2243.1	3599.7	56530.	4654.8
#3	2247.4	3624.2	55576.	4633.9

Sample Name: MB 180-380104/1-A Acquired: 11/26/2021 8:40:14 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00709**	**-.00078**	**.00282**	**.00021**	**-.00003**
Stddev	.00002	.00984	.00077	.00033	.00017	.00004
%RSD	32.432	138.71	99.336	11.566	78.552	137.41
#1	-.00004	-.00250	-.00087	.00274	.00010	-.00001
#2	-.00004	-.00039	-.00150	.00254	.00040	.00000
#3	-.00007	-.01839	.00003	.00318	.00013	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**.00005**	**.00008**	**.00033**	**.00085**	**-.00083**
Stddev	.00227	.00017	.00007	.00046	.00041	.00025
%RSD	108.88	351.35	86.248	141.55	48.698	29.611
#1	-.00444	.00023	.00015	.00043	.00106	-.00057
#2	.00008	.00001	.00007	.00074	.00112	-.00085
#3	-.00189	-.00010	.00002	-.00018	.00037	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02974**	**.00038**	**.02096**	**.00011**	**.00318**	**-.09860**
Stddev	.04013	.00066	.01901	.00002	.00029	.00526
%RSD	134.94	173.49	90.700	17.321	9.2103	5.3368
#1	-.04379	.00057	-.00090	.00010	.00300	-.09415
#2	-.06094	.00092	.03020	.00010	.00352	-.09723
#3	.01553	-.00035	.03358	.00014	.00303	-.10441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380104/1-A Acquired: 11/26/2021 8:40:14 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00072**	**-.00088**	**.00159**	**-.00618**	**.00708**
Stddev	.00070	.00139	.00290	.00163	.01005	.00038
%RSD	410.85	193.25	331.76	103.04	162.59	5.3976
#1	-.00029	.00115	-.00345	.00127	-.01092	.00714
#2	-.00081	-.00084	.00227	.00335	-.01299	.00743
#3	.00058	.00184	-.00145	.00013	.00536	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00033**	**-.00083**	**.00208**	**.00225**
Stddev	.00238	.00018	.00094	.00216	.00015
%RSD	165.60	52.872	113.42	103.72	6.7411
#1	.00281	.00016	-.00175	-.00009	.00209
#2	-.00131	.00051	.00012	.00423	.00238
#3	.00280	.00033	-.00085	.00211	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2265.2**	**3668.2**	**55630.**	**4649.2**
Stddev	53.9	79.4	1242.	12.5
%RSD	2.3794	2.1643	2.2330	.26929
#1	2327.4	3759.9	56334.	4657.6
#2	2233.4	3621.1	56360.	4655.1
#3	2234.8	3623.7	54195.	4634.8

Sample Name: LCS 180-380104/2-A Acquired: 11/26/2021 8:44:54 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23335**	**4.7575**	**.97043**	**1.2093**	**.94729**	**.47811**
Stddev	.00048	.0258	.00425	.0039	.00213	.00247
%RSD	.20458	.54218	.43751	.31834	.22522	.51587
#1	.23280	4.7281	.96556	1.2052	.94485	.47534
#2	.23371	4.7766	.97245	1.2098	.94878	.48007
#3	.23353	4.7678	.97330	1.2129	.94825	.47891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.961**	**.46937**	**.47289**	**.47738**	**.48564**	**4.7483**
Stddev	.093	.00136	.00038	.00201	.00096	.0262
%RSD	.38946	.28869	.07944	.42020	.19849	.55190
#1	23.868	.46885	.47247	.47654	.48458	4.7201
#2	23.960	.46835	.47304	.47593	.48590	4.7529
#3	24.055	.47091	.47318	.47967	.48645	4.7719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.644**	**.49223**	**23.174**	**.46853**	**.47812**	**23.354**
Stddev	.074	.00041	.066	.00059	.00174	.069
%RSD	.32479	.08261	.28304	.12548	.36365	.29636
#1	22.563	.49232	23.129	.46864	.47688	23.293
#2	22.705	.49258	23.144	.46789	.47738	23.429
#3	22.665	.49179	23.250	.46905	.48011	23.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380104/2-A Acquired: 11/26/2021 8:44:54 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46747**	**.45160**	**.22231**	**.94429**	**.90689**	**.94067**
Stddev	.00061	.00119	.00282	.00471	.00553	.00197
%RSD	.13111	.26315	1.2687	.49839	.61000	.20896
#1	.46676	.45026	.21951	.93899	.90171	.93963
#2	.46778	.45204	.22515	.94587	.90625	.93944
#3	.46786	.45252	.22226	.94800	.91272	.94293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.46968**	**.48424**	**.90137**	**.47535**	**.23434**
Stddev	.00301	.00082	.00318	.00255	.00077
%RSD	.64053	.16954	.35303	.53703	.32892
#1	.47068	.48506	.89791	.47580	.23396
#2	.46630	.48342	.90203	.47260	.23384
#3	.47207	.48423	.90417	.47765	.23523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2061.4**	**3503.2**	**54212.**	**4770.0**
Stddev	4.1	5.0	93.	8.5
%RSD	.19945	.14208	.17222	.17772
#1	2060.6	3497.4	54126.	4770.5
#2	2057.8	3505.8	54197.	4778.2
#3	2065.9	3506.2	54311.	4761.3

Sample Name: 180-130399-A-1-A Acquired: 11/26/2021 8:49:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**110.80**	**.08218**	**.03066**	**1.4476**	**.00564**
Stddev	.00050	.16	.00150	.00102	.0016	.00002
%RSD	64.963	.14340	1.8257	3.3140	.10743	.33848
#1	-.00024	110.96	.08101	.03183	1.4486	.00565
#2	-.00085	110.80	.08166	.03021	1.4485	.00562
#3	-.00124	110.64	.08388	.02995	1.4458	.00564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.724**	**.00087**	**.09453**	**.15460**	**.23775**	**209.05**
Stddev	.023	.00008	.00118	.00108	.00252	.62
%RSD	.09925	9.3697	1.2441	.69677	1.0604	.29437
#1	22.750	.00093	.09585	.15529	.23840	209.66
#2	22.708	.00091	.09419	.15336	.23497	208.43
#3	22.714	.00078	.09357	.15515	.23988	209.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0492**	**.21347**	**27.939**	**5.6969**	**.00481**	**.45488**
Stddev	.0661	.00117	.114	.0311	.00022	.00535
%RSD	.73043	.54654	.40660	.54567	4.5354	1.1759
#1	9.1051	.21215	28.054	5.7015	.00504	.45083
#2	8.9762	.21388	27.827	5.6638	.00477	.45287
#3	9.0664	.21437	27.936	5.7255	.00461	.46095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-A Acquired: 11/26/2021 8:49:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25103**	**.37266**	**-.00031**	**.00737**	**6.4138**	**.03530**
Stddev	.00337	.00465	.00032	.00285	.0148	.00064
%RSD	1.3440	1.2487	103.12	38.679	.23054	1.8020
#1	.25470	.37788	-.00021	.00944	6.4296	.03595
#2	.25033	.37115	-.00005	.00412	6.4114	.03468
#3	.24806	.36895	-.00067	.00856	6.4003	.03528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.23568**	**.68510**	**-.00402**	**.15213**	**.68229**
Stddev	.00322	.00369	.00089	.00413	.00856
%RSD	1.3651	.53902	22.048	2.7165	1.2547
#1	.23939	.68740	-.00474	.15451	.69077
#2	.23404	.68084	-.00429	.14736	.68247
#3	.23362	.68706	-.00303	.15452	.67365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2038.0**	**3964.7**	**61192.**	**5444.3**
Stddev	26.0	50.1	376.	33.6
%RSD	1.2749	1.2627	.61507	.61678
#1	2010.8	3913.6	61025.	5413.8
#2	2040.5	3966.9	61623.	5480.3
#3	2062.5	4013.6	60927.	5438.8

Sample Name: 180-130399-A-1A SD@5 Acquired: 11/26/2021 8:53:49 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**25.297**	**.01799**	**.00835**	**.33192**	**.00128**
Stddev	.00034	.366	.00076	.00074	.00417	.00010
%RSD	110.38	1.4454	4.2402	8.8401	1.2569	7.9850
#1	.00007	24.921	.01713	.00783	.32836	.00132
#2	-.00059	25.652	.01827	.00920	.33651	.00135
#3	-.00040	25.319	.01858	.00803	.33088	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2347**	**.00019**	**.01955**	**.03564**	**.05332**	**49.199**
Stddev	.0606	.00009	.00013	.00049	.00105	.510
%RSD	1.1571	48.069	.65618	1.3749	1.9670	1.0374
#1	5.1834	.00013	.01953	.03523	.05212	48.922
#2	5.3015	.00014	.01969	.03552	.05403	49.789
#3	5.2191	.00030	.01944	.03618	.05382	48.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9607**	**.04595**	**6.4094**	**1.3569**	**.00141**	**-.03761**
Stddev	.0437	.00160	.1204	.0095	.00024	.00293
%RSD	2.2310	3.4825	1.8782	.70289	17.265	7.7865
#1	1.9419	.04474	6.2860	1.3609	.00164	-.04079
#2	2.0107	.04777	6.5265	1.3461	.00116	-.03700
#3	1.9296	.04534	6.4157	1.3639	.00143	-.03503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1A SD@5 Acquired: 11/26/2021 8:53:49 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**.07644**	**-.00156**	**-.00106**	**1.5032**	**.00804**
Stddev	.00026	.00242	.00007	.00292	.0112	.00057
%RSD	.51247	3.1665	4.4212	275.37	.74532	7.0942
#1	.05176	.07919	-.00150	-.00428	1.5081	.00864
#2	.05153	.07552	-.00155	.00142	1.5111	.00751
#3	.05123	.07461	-.00163	-.00032	1.4904	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.05569**	**.16039**	**.00082**	**.03690**	**.15831**
Stddev	.00750	.00787	.00104	.00233	.00069
%RSD	13.468	4.9056	127.92	6.3118	.43807
#1	.05597	.15527	.00172	.03941	.15905
#2	.04806	.16945	-.00033	.03480	.15767
#3	.06305	.15645	.00105	.03650	.15822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2150.3**	**3694.4**	**56853.**	**4916.4**
Stddev	7.3	8.9	344.	26.9
%RSD	.33994	.24115	.60540	.54636
#1	2142.9	3684.1	56685.	4936.1
#2	2150.5	3699.3	57249.	4885.8
#3	2157.6	3699.8	56625.	4927.2

Sample Name: 180-130399-A-1-B MS Acquired: 11/26/2021 8:58:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17421**	**130.21**	**.80095**	**.85273**	**2.1200**	**.36066**
Stddev	.00102	.25	.02126	.01784	.0042	.00120
%RSD	.58535	.18838	2.6543	2.0921	.19722	.33391
#1	.17304	130.01	.78262	.84032	2.1154	.36088
#2	.17465	130.13	.82425	.87317	2.1211	.36174
#3	.17493	130.48	.79597	.84470	2.1236	.35936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.491**	**.35415**	**.50225**	**.51892**	**.62698**	**219.63**
Stddev	.097	.00752	.01262	.00409	.00411	.36
%RSD	.23978	2.1240	2.5117	.78774	.65606	.16383
#1	40.477	.34864	.49194	.51463	.62276	219.86
#2	40.402	.36272	.51632	.51937	.62720	219.83
#3	40.595	.35110	.49850	.52277	.63098	219.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.385**	**.61960**	**47.591**	**6.4740**	**.34067**	**17.744**
Stddev	.171	.00183	.074	.0478	.00724	.110
%RSD	.62451	.29476	.15449	.73913	2.1239	.62249
#1	27.440	.61878	47.676	6.4192	.33477	17.734
#2	27.521	.61832	47.553	6.5072	.34874	17.859
#3	27.193	.62169	47.545	6.4957	.33849	17.639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-B MS Acquired: 11/26/2021 8:58:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66370**	**.73476**	**.08464**	**.70779**	**8.6811**	**.63659**
Stddev	.01714	.01952	.00064	.01887	.0722	.01303
%RSD	2.5822	2.6570	.75292	2.6659	.83205	2.0464
#1	.64990	.71963	.08509	.69126	8.7348	.62669
#2	.68288	.75680	.08493	.72835	8.7094	.65135
#3	.65831	.72785	.08391	.70375	8.5989	.63172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47874**	**1.0054**	**.72430**	**.51445**	**.90971**
Stddev	.01012	.0049	.01418	.00490	.02153
%RSD	2.1138	.48303	1.9574	.95235	2.3667
#1	.47908	1.0001	.71565	.50881	.89254
#2	.46846	1.0065	.74066	.51761	.93386
#3	.48869	1.0096	.71657	.51693	.90273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1970.7**	**3887.7**	**60264.**	**5387.6**
Stddev	42.0	74.3	263.	13.5
%RSD	2.1314	1.9123	.43681	.25063
#1	2002.7	3942.0	60567.	5373.3
#2	1923.1	3803.0	60123.	5389.6
#3	1986.3	3918.1	60101.	5400.1

Sample Name: 180-130399-A-1-C MSD Acquired: 11/26/2021 9:02:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17224**	**124.68**	**.77844**	**.83821**	**2.0313**	**.35410**
Stddev	.00095	.17	.00258	.00292	.0015	.00014
%RSD	.54881	.13761	.33119	.34861	.07440	.03858
#1	.17331	124.62	.78107	.84069	2.0301	.35399
#2	.17187	124.87	.77832	.83894	2.0308	.35426
#3	.17153	124.54	.77592	.83499	2.0330	.35406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.776**	**.34377**	**.48383**	**.49279**	**.64778**	**211.84**
Stddev	.019	.00025	.00064	.00067	.00370	.01
%RSD	.05137	.07142	.13298	.13571	.57167	.00319
#1	36.755	.34403	.48431	.49291	.64918	211.83
#2	36.791	.34373	.48310	.49339	.65058	211.84
#3	36.782	.34354	.48408	.49207	.64358	211.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.717**	**.59221**	**45.995**	**6.8549**	**.32816**	**17.470**
Stddev	.062	.00289	.195	.0096	.00011	.039
%RSD	.25119	.48777	.42475	.14062	.03233	.22528
#1	24.664	.59399	45.955	6.8441	.32808	17.426
#2	24.785	.59376	45.823	6.8626	.32828	17.502
#3	24.702	.58887	46.207	6.8580	.32811	17.482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-C MSD Acquired: 11/26/2021 9:02:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63922**	**.76937**	**.08327**	**.68097**	**7.9209**	**.62446**
Stddev	.00058	.00379	.00042	.00400	.0267	.00140
%RSD	.09146	.49212	.50326	.58803	.33689	.22390
#1	.63921	.77370	.08336	.68554	7.9319	.62563
#2	.63863	.76779	.08364	.67811	7.8905	.62291
#3	.63980	.76664	.08282	.67925	7.9403	.62484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48368**	**.99589**	**.70993**	**.50422**	**.87903**
Stddev	.00218	.00262	.00341	.00238	.00140
%RSD	.45150	.26300	.48010	.47268	.15898
#1	.48264	.99889	.71246	.50305	.87765
#2	.48221	.99404	.71127	.50696	.87899
#3	.48619	.99475	.70605	.50265	.88044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1986.5**	**3949.4**	**60634.**	**5383.6**
Stddev	3.5	6.9	165.	12.5
%RSD	.17823	.17382	.27138	.23171
#1	1982.9	3942.8	60551.	5397.5
#2	1986.8	3948.7	60527.	5373.3
#3	1989.9	3956.5	60823.	5380.1

Sample Name: 180-130399-A-1-A PDS Acquired: 11/26/2021 9:07:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22044**	**113.38**	**.98863**	**1.1467**	**2.3000**	**.45463**
Stddev	.00016	.01	.00270	.0023	.0059	.00186
%RSD	.07129	.01237	.27266	.19921	.25702	.40906
#1	.22026	113.37	.99168	1.1447	2.2931	.45368
#2	.22055	113.39	.98656	1.1492	2.3036	.45344
#3	.22050	113.37	.98765	1.1462	2.3032	.45678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.178**	**.44728**	**.59684**	**.59031**	**.69607**	**206.39**
Stddev	.101	.00090	.00108	.00048	.00045	.41
%RSD	.22840	.20033	.18148	.08064	.06409	.19761
#1	44.141	.44727	.59643	.59072	.69653	206.22
#2	44.101	.44818	.59807	.59041	.69564	206.09
#3	44.292	.44639	.59602	.58979	.69602	206.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.235**	**.67971**	**49.204**	**5.9012**	**.43744**	**22.552**
Stddev	.135	.00238	.347	.0277	.00167	.118
%RSD	.44770	.35046	.70494	.46885	.38244	.52330
#1	30.205	.67713	48.898	5.9280	.43701	22.475
#2	30.118	.68183	49.133	5.9030	.43928	22.493
#3	30.383	.68016	49.581	5.8727	.43602	22.688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-1-A PDS Acquired: 11/26/2021 9:07:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73942**	**.83110**	**.20203**	**.89366**	**7.3504**	**.86056**
Stddev	.00260	.00302	.00195	.00757	.0513	.00368
%RSD	.35177	.36295	.96487	.84703	.69734	.42746
#1	.74110	.83440	.20323	.88620	7.3016	.86169
#2	.74074	.83040	.20308	.90133	7.4038	.86355
#3	.73642	.82849	.19978	.89346	7.3457	.85645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.66474**	**1.1116**	**.93123**	**.58860**	**.86032**
Stddev	.00650	.0009	.00407	.00152	.00341
%RSD	.97725	.07725	.43750	.25888	.39609
#1	.65817	1.1111	.93017	.58761	.86101
#2	.66489	1.1126	.93573	.58784	.86332
#3	.67116	1.1112	.92778	.59035	.85662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1984.3**	**3929.9**	**60264.**	**5378.4**
Stddev	7.0	10.2	91.	14.0
%RSD	.35459	.25934	.15031	.26037
#1	1981.6	3927.0	60176.	5381.6
#2	1979.1	3921.4	60259.	5390.5
#3	1992.4	3941.2	60357.	5363.0

Sample Name: 180-130399-A-2-A Acquired: 11/26/2021 9:11:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**79.230**	**.06777**	**.02293**	**.95362**	**.00381**
Stddev	.00013	.050	.00136	.00070	.00129	.00018
%RSD	12.004	.06297	2.0140	3.0556	.13537	4.8472
#1	-.00105	79.192	.06870	.02369	.95264	.00399
#2	-.00096	79.212	.06840	.02278	.95315	.00383
#3	-.00122	79.286	.06620	.02231	.95509	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.081**	**.00082**	**.05526**	**.14460**	**.49713**	**154.31**
Stddev	.031	.00015	.00028	.00158	.00211	.19
%RSD	.18207	17.761	.50547	1.0951	.42528	.12003
#1	17.104	.00070	.05539	.14583	.49678	154.32
#2	17.045	.00098	.05493	.14281	.49522	154.12
#3	17.093	.00077	.05544	.14517	.49940	154.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0105**	**.13083**	**17.264**	**4.8871**	**.00554**	**.20173**
Stddev	.0244	.00053	.083	.0092	.00050	.00840
%RSD	.48710	.40307	.48224	.18850	8.9907	4.1654
#1	5.0183	.13131	17.269	4.8977	.00611	.20110
#2	4.9831	.13026	17.178	4.8813	.00527	.21042
#3	5.0300	.13091	17.344	4.8823	.00523	.19365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-2-A Acquired: 11/26/2021 9:11:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29941**	**.25205**	**.00180**	**.00864**	**8.0831**	**.04513**
Stddev	.00169	.00153	.00114	.00128	.0265	.00079
%RSD	.56611	.60841	63.244	14.783	.32727	1.7493
#1	.30001	.25258	.00084	.00718	8.1018	.04584
#2	.29749	.25032	.00306	.00922	8.0529	.04428
#3	.30072	.25324	.00151	.00952	8.0948	.04528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11044**	**.68235**	**-.00200**	**.12391**	**.65790**
Stddev	.00302	.00303	.00054	.00462	.00036
%RSD	2.7385	.44373	26.772	3.7290	.05455
#1	.11389	.68297	-.00225	.11982	.65830
#2	.10823	.67906	-.00139	.12299	.65779
#3	.10920	.68502	-.00237	.12892	.65761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2097.8**	**3787.0**	**58185.**	**5102.8**
Stddev	9.0	9.8	174.	10.1
%RSD	.43087	.25792	.29881	.19720
#1	2089.7	3776.3	58024.	5094.7
#2	2107.5	3795.5	58369.	5114.1
#3	2096.2	3789.1	58162.	5099.7

Sample Name: 180-130399-A-3-A Acquired: 11/26/2021 9:16:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**95.365**	**.05309**	**.01778**	**.85401**	**.00386**
Stddev	.00019	.127	.00357	.00030	.00101	.00010
%RSD	17.405	.13284	6.7188	1.6919	.11798	2.5818
#1	-.00088	95.476	.05609	.01812	.85510	.00396
#2	-.00125	95.392	.04914	.01760	.85382	.00384
#3	-.00117	95.227	.05404	.01760	.85312	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7935**	**.00135**	**.05573**	**.10153**	**.13754**	**143.89**
Stddev	.0284	.00005	.00018	.00015	.00041	.58
%RSD	.32296	4.0536	.32663	.15254	.30048	.40500
#1	8.8263	.00135	.05583	.10142	.13802	144.35
#2	8.7764	.00130	.05584	.10148	.13729	144.09
#3	8.7777	.00141	.05552	.10171	.13732	143.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2276**	**.13382**	**18.851**	**5.0451**	**.00233**	**.13838**
Stddev	.0195	.00064	.083	.0129	.00027	.00597
%RSD	.46062	.47576	.44183	.25604	11.641	4.3150
#1	4.2138	.13310	18.910	5.0310	.00264	.14452
#2	4.2190	.13405	18.888	5.0478	.00218	.13802
#3	4.2498	.13431	18.756	5.0564	.00216	.13259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-3-A Acquired: 11/26/2021 9:16:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14704**	**.10327**	**.00069**	**.00234**	**6.7111**	**.03337**
Stddev	.00106	.00191	.00012	.00339	.0558	.00090
%RSD	.71811	1.8514	17.375	144.49	.83160	2.7001
#1	.14725	.10373	.00056	-.00001	6.7194	.03435
#2	.14797	.10491	.00069	.00622	6.7623	.03258
#3	.14589	.10117	.00080	.00082	6.6516	.03320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06370**	**.61192**	**-.00288**	**.13764**	**.49638**
Stddev	.00434	.00300	.00155	.00346	.00148
%RSD	6.8063	.49104	53.762	2.5144	.29891
#1	.05905	.61138	-.00306	.13401	.49782
#2	.06441	.61516	-.00125	.13801	.49486
#3	.06763	.60922	-.00433	.14090	.49646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2101.4**	**3769.7**	**57482.**	**5029.2**
Stddev	4.6	10.0	128.	9.4
%RSD	.22053	.26470	.22196	.18602
#1	2096.5	3759.2	57479.	5018.9
#2	2102.0	3779.0	57611.	5031.8
#3	2105.7	3771.0	57356.	5037.1

Sample Name: 180-130399-A-4-A Acquired: 11/26/2021 9:20:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**82.587**	**.07980**	**.02096**	**1.2230**	**.00427**
Stddev	.00051	.066	.00144	.00057	.0020	.00012
%RSD	76.761	.07997	1.8105	2.7014	.16710	2.9089
#1	-.00034	82.530	.07908	.02095	1.2216	.00440
#2	-.00126	82.572	.08147	.02040	1.2253	.00424
#3	-.00041	82.660	.07887	.02154	1.2220	.00415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.776**	**.00056**	**.04545**	**.08790**	**.16785**	**131.43**
Stddev	.013	.00014	.00063	.00046	.00002	.26
%RSD	.06805	24.755	1.3847	.52474	.01026	.19801
#1	18.762	.00069	.04514	.08785	.16787	131.69
#2	18.787	.00056	.04503	.08838	.16785	131.42
#3	18.779	.00042	.04617	.08747	.16783	131.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3992**	**.11465**	**13.438**	**4.3089**	**.00444**	**.16375**
Stddev	.0243	.00071	.055	.0129	.00023	.00543
%RSD	.71476	.62360	.41080	.29814	5.2483	3.3165
#1	3.4204	.11532	13.493	4.2940	.00471	.16161
#2	3.4045	.11390	13.438	4.3158	.00429	.15971
#3	3.3727	.11472	13.383	4.3168	.00433	.16992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130399-A-4-A Acquired: 11/26/2021 9:20:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10190**	**.34853**	**-.00002**	**.00855**	**7.3488**	**.05074**
Stddev	.00102	.00152	.00116	.00266	.0091	.00055
%RSD	1.0046	.43597	5549.9	31.047	.12375	1.0861
#1	.10158	.34726	-.00112	.01043	7.3383	.05040
#2	.10108	.34812	-.00013	.00551	7.3545	.05044
#3	.10305	.35021	.00119	.00972	7.3536	.05137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.13154**	**.74609**	**-.00008**	**.14003**	**.44493**
Stddev	.00604	.00140	.00124	.00481	.00373
%RSD	4.5882	.18702	1508.3	3.4322	.83833
#1	.13818	.74454	.00133	.14489	.44332
#2	.13004	.74650	-.00100	.13993	.44227
#3	.12639	.74724	-.00058	.13528	.44919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2112.0**	**3767.8**	**57764.**	**5031.2**
Stddev	16.7	23.6	202.	18.4
%RSD	.79213	.62665	.34971	.36556
#1	2117.3	3771.9	57967.	5024.1
#2	2125.5	3789.1	57563.	5017.4
#3	2093.3	3742.4	57761.	5052.1

Sample Name: CCV 4546440 Acquired: 11/26/2021 9:25:30 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99974**	**24.130**	**.49429**	**1.9900**	**1.9245**	**1.9351**
Stddev	.00187	.061	.00261	.0037	.0036	.0069
%RSD	.18680	.25464	.52768	.18847	.18851	.35619
#1	1.0011	24.197	.49717	1.9865	1.9255	1.9345
#2	.99760	24.114	.49209	1.9895	1.9274	1.9423
#3	1.0005	24.077	.49360	1.9939	1.9204	1.9286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.866**	**.49230**	**2.0073**	**1.9391**	**1.9767**	**24.025**
Stddev	.228	.00080	.0033	.0078	.0084	.074
%RSD	.46570	.16182	.16315	.40068	.42639	.30944
#1	49.125	.49273	2.0039	1.9422	1.9730	24.018
#2	48.778	.49138	2.0074	1.9303	1.9708	24.103
#3	48.696	.49278	2.0105	1.9449	1.9864	23.954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.57**	**2.0169**	**47.639**	**1.8962**	**1.9135**	**119.41**
Stddev	.56	.0063	.059	.0045	.0032	.71
%RSD	.47815	.31240	.12477	.23828	.16689	.59770
#1	116.17	2.0229	47.681	1.8994	1.9101	118.83
#2	117.20	2.0176	47.664	1.8910	1.9139	120.21
#3	116.33	2.0103	47.571	1.8981	1.9164	119.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 9:25:30 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0012**	**.49210**	**.48713**	**.49669**	**1.9041**	**1.8482**
Stddev	.0035	.00336	.00050	.00661	.0239	.0031
%RSD	.17473	.68294	.10308	1.3314	1.2567	.16914
#1	1.9987	.48880	.48704	.49004	1.9234	1.8512
#2	1.9997	.49197	.48667	.49677	1.9114	1.8449
#3	2.0052	.49552	.48767	.50327	1.8773	1.8484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9033**	**1.9337**	**.95365**	**1.9458**	**1.8976**
Stddev	.0122	.0009	.00155	.0104	.0035
%RSD	.64221	.04741	.16210	.53497	.18533
#1	1.8965	1.9336	.95512	1.9576	1.8990
#2	1.9174	1.9347	.95204	1.9378	1.8936
#3	1.8959	1.9329	.95380	1.9421	1.9003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1911.7**	**3472.9**	**52896.**	**4682.4**
Stddev	2.7	4.3	101.	15.2
%RSD	.13989	.12271	.19166	.32434
#1	1914.0	3472.6	52805.	4679.4
#2	1912.5	3477.3	53006.	4668.9
#3	1908.8	3468.8	52878.	4698.8

Sample Name: CCB2 Acquired: 11/26/2021 9:29:53 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00648**	**.00124**	**.00182**	**.00022**	**.00012**
Stddev	.00023	.00248	.00195	.00034	.00015	.00011
%RSD	149.92	38.362	156.67	18.470	67.257	86.587
#1	.00041	-.00818	.00005	.00153	.00034	.00025
#2	.00010	-.00762	.00349	.00219	.00026	.00006
#3	-.00004	-.00363	.00019	.00175	.00006	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00618**	**-.00011**	**.00005**	**.00030**	**.00067**	**-.00342**
Stddev	.00976	.00011	.00027	.00017	.00120	.00042
%RSD	157.87	101.09	580.92	56.232	178.59	12.197
#1	-.00554	-.00002	.00031	.00045	-.00031	-.00368
#2	.00324	-.00024	.00005	.00034	.00031	-.00365
#3	-.01624	-.00007	-.00022	.00012	.00201	-.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03624**	**-.00060**	**.01586**	**.00006**	**.00766**	**-.19600**
Stddev	.01315	.00047	.02059	.00002	.00109	.00522
%RSD	36.277	79.401	129.81	37.653	14.249	2.6625
#1	-.02327	-.00008	.03943	.00008	.00883	-.19752
#2	-.04956	-.00070	.00141	.00004	.00748	-.19019
#3	-.03589	-.00101	.00673	.00005	.00667	-.20029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 11/26/2021 9:29:53 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00030**	**-.00085**	**.00268**	**.00043**	**-.00042**
Stddev	.00090	.00130	.00219	.00436	.00169	.00025
%RSD	1624.6	439.36	259.02	162.78	396.37	60.070
#1	-.00089	-.00109	.00136	.00754	.00201	-.00024
#2	.00090	.00049	-.00087	-.00089	-.00135	-.00030
#3	-.00018	.00149	-.00303	.00138	.00062	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.00022**	**.00024**	**.00445**	**.00101**
Stddev	.00604	.00010	.00062	.00324	.00008
%RSD	363.17	47.927	256.11	72.824	7.6807
#1	-.00487	.00031	-.00039	.00401	.00104
#2	-.00543	.00010	.00085	.00145	.00106
#3	.00531	.00024	.00027	.00789	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2238.0**	**3595.7**	**56428.**	**4800.7**
Stddev	7.7	13.6	113.	7.9
%RSD	.34302	.37811	.20101	.16507
#1	2241.8	3601.9	56303.	4793.8
#2	2229.2	3580.2	56525.	4798.8
#3	2243.1	3605.2	56454.	4809.4

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:34:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.18238**	**.01065**	**.20182**	**.19816**	**.00399**
Stddev	.00030	.01758	.00105	.00294	.00089	.00006
%RSD	6.2372	9.6370	9.8622	1.4573	.45055	1.6266
#1	.00446	.19051	.00945	.19877	.19796	.00405
#2	.00474	.19441	.01112	.20464	.19913	.00392
#3	.00505	.16221	.01138	.20204	.19738	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9185**	**.00497**	**.04752**	**.00488**	**.02543**	**.09269**
Stddev	.0095	.00010	.00064	.00028	.00163	.00287
%RSD	.19280	1.9139	1.3446	5.7927	6.3906	3.1010
#1	4.9187	.00495	.04727	.00474	.02698	.09246
#2	4.9279	.00507	.04825	.00470	.02374	.09567
#3	4.9090	.00488	.04705	.00520	.02557	.08994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5907**	**.04704**	**5.0198**	**.01482**	**.04016**	**4.5306**
Stddev	.0427	.00050	.0192	.00004	.00047	.0380
%RSD	.92958	1.0721	.38304	.27607	1.1588	.83945
#1	4.5693	.04678	5.0016	.01480	.03967	4.5033
#2	4.6399	.04762	5.0399	.01486	.04059	4.5740
#3	4.5630	.04671	5.0181	.01479	.04024	4.5144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:34:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03852**	**.00999**	**.01036**	F **.00689**	**.57267**	**.09595**
Stddev	.00059	.00233	.00126	.00302	.01054	.00113
%RSD	1.5344	23.308	12.146	43.885	1.8408	1.1800
#1	.03837	.01008	.00903	.00356	.57350	.09526
#2	.03801	.00761	.01153	.00763	.56175	.09725
#3	.03916	.01227	.01051	.00946	.58278	.09533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				.01000		
Range				-30.000%		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04599**	**.04887**	**.01792**	**.05246**	**.02034**
Stddev	.00671	.00012	.00087	.00115	.00016
%RSD	14.590	.24377	4.8756	2.1862	.80165
#1	.05099	.04879	.01699	.05359	.02016
#2	.03836	.04881	.01873	.05249	.02038
#3	.04862	.04901	.01803	.05129	.02048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2208.0**	**3609.4**	**56476.**	**4790.4**
Stddev	16.1	30.6	34.	33.4
%RSD	.72737	.84787	.06023	.69777
#1	2225.0	3641.9	56444.	4823.5
#2	2193.1	3581.1	56473.	4791.0
#3	2205.9	3605.2	56512.	4756.6

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:39:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**.19940**	**.01235**	**.20166**	**.20039**	**.00417**
Stddev	.00030	.02005	.00127	.00072	.00248	.00007
%RSD	6.0608	10.053	10.286	.35486	1.2361	1.6820
#1	.00500	.21394	.01327	.20236	.20324	.00417
#2	.00524	.17653	.01090	.20169	.19883	.00424
#3	.00464	.20772	.01287	.20093	.19909	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9632**	**.00491**	**.04704**	**.00486**	**.02548**	**.09669**
Stddev	.0480	.00012	.00019	.00039	.00041	.00205
%RSD	.96615	2.4295	.41193	7.9160	1.5948	2.1247
#1	5.0183	.00503	.04724	.00514	.02584	.09849
#2	4.9307	.00490	.04701	.00442	.02504	.09713
#3	4.9407	.00480	.04686	.00503	.02557	.09445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6363**	**.04766**	**5.0162**	**.01498**	**.03896**	**4.5906**
Stddev	.0109	.00236	.0818	.00019	.00011	.0423
%RSD	.23418	4.9555	1.6315	1.2529	.28051	.92163
#1	4.6487	.05028	5.1107	.01519	.03884	4.6394
#2	4.6319	.04570	4.9715	.01483	.03899	4.5667
#3	4.6283	.04701	4.9665	.01492	.03905	4.5656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4543482 Acquired: 11/26/2021 9:39:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03857**	**.00907**	**.00930**	**.00859**	**.56306**	**.09466**
Stddev	.00060	.00165	.00109	.00146	.01444	.00093
%RSD	1.5638	18.240	11.727	17.002	2.5647	.97759
#1	.03884	.01011	.00924	.00725	.57130	.09374
#2	.03788	.00716	.00824	.01015	.54638	.09559
#3	.03900	.00994	.01042	.00836	.57149	.09464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04515**	**.04892**	**.01917**	**.04913**	**.02037**
Stddev	.00533	.00031	.00098	.00180	.00021
%RSD	11.808	.62378	5.0978	3.6643	1.0450
#1	.04815	.04926	.01930	.04756	.02062
#2	.04830	.04867	.01813	.04874	.02027
#3	.03899	.04883	.02007	.05109	.02023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2214.6**	**3619.8**	**55821.**	**4733.3**
Stddev	9.4	7.3	352.	46.5
%RSD	.42281	.20195	.63060	.98152
#1	2203.8	3612.1	55417.	4680.1
#2	2219.1	3626.7	56058.	4753.6
#3	2220.9	3620.5	55989.	4766.1

Sample Name: MB 180-380092/1-A Acquired: 11/26/2021 9:50:31 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00240**	**-.00002**	**.00072**	**-.00005**	**.00013**
Stddev	.00073	.02607	.00181	.00023	.00006	.00012
%RSD	791.71	1087.1	8703.3	32.001	119.70	91.351
#1	.00094	-.03246	.00188	.00058	-.00009	.00026
#2	-.00032	.01415	-.00171	.00060	.00002	.00002
#3	-.00035	.01111	-.00023	.00099	-.00009	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**-.00000**	**-.00013**	**.00310**	**.00150**	**.01078**
Stddev	.00350	.00019	.00022	.00020	.00090	.00220
%RSD	116.81	22777.	172.50	6.4005	59.960	20.433
#1	.00350	-.00001	-.00036	.00323	.00058	.00826
#2	.00621	.00019	.00007	.00287	.00239	.01173
#3	-.00073	-.00019	-.00008	.00319	.00154	.01235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07866**	**-.00048**	**.02273**	**.00033**	**.00091**	**-.20925**
Stddev	.01867	.00042	.01584	.00005	.00020	.00296
%RSD	23.738	86.496	69.706	16.372	21.487	1.4137
#1	-.05712	-.00000	.00881	.00038	.00112	-.20780
#2	-.09016	-.00077	.03996	.00027	.00073	-.21265
#3	-.08872	-.00067	.01941	.00032	.00088	-.20729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380092/1-A Acquired: 11/26/2021 9:50:31 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00121**	**-.00121**	**.00030**	**.00603**	**.00897**
Stddev	.00056	.00057	.00205	.00182	.00894	.00095
%RSD	51.362	47.490	170.34	598.59	148.19	10.566
#1	.00091	.00063	-.00336	-.00160	-.00324	.01007
#2	.00173	.00177	.00073	.00049	.00674	.00842
#3	.00065	.00122	-.00098	.00202	.01460	.00844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.00068**	**-.00198**	**.00218**	**.00390**
Stddev	.00445	.00019	.00130	.00388	.00010
%RSD	145.21	28.435	65.705	177.69	2.6404
#1	.00207	.00078	-.00307	.00133	.00380
#2	-.00588	.00079	-.00233	.00641	.00400
#3	-.00540	.00046	-.00054	-.00119	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2227.5**	**3616.6**	**58850.**	**4758.3**
Stddev	3.5	7.3	2261.	51.6
%RSD	.15686	.20131	3.8417	1.0838
#1	2227.5	3619.8	56709.	4750.7
#2	2224.1	3608.3	61214.	4710.9
#3	2231.0	3621.8	58628.	4813.2

Sample Name: LCS 180-380092/2-A Acquired: 11/26/2021 9:55:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22692**	**4.6803**	**.95830**	**1.2217**	**.93350**	**.47259**
Stddev	.00044	.0859	.02769	.0413	.01106	.00462
%RSD	.19545	1.8349	2.8893	3.3839	1.1844	.97847
#1	.22677	4.6636	.98990	1.2691	.93320	.47394
#2	.22657	4.7733	.94668	1.2032	.94470	.47639
#3	.22742	4.6041	.93832	1.1929	.92260	.46744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.666**	**.46711**	**.46930**	**.46095**	**.46548**	**4.6518**
Stddev	.310	.01534	.01527	.00119	.00228	.0512
%RSD	1.3116	3.2849	3.2543	.25885	.49002	1.1011
#1	23.606	.48460	.48688	.45984	.46465	4.6596
#2	24.002	.46079	.46170	.46079	.46372	4.6987
#3	23.390	.45593	.45932	.46221	.46806	4.5971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.349**	**.48521**	**22.894**	**.45090**	**.46749**	**22.987**
Stddev	.186	.00834	.187	.00211	.01592	.159
%RSD	.83051	1.7189	.81768	.46851	3.4057	.69141
#1	22.432	.48505	22.933	.44935	.48571	23.100
#2	22.479	.49362	23.058	.45004	.46047	23.056
#3	22.137	.47695	22.690	.45331	.45628	22.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380092/2-A Acquired: 11/26/2021 9:55:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46630**	**.44887**	**.21607**	**.94448**	**.85841**	**.93121**
Stddev	.01331	.01238	.00548	.02904	.00881	.03133
%RSD	2.8544	2.7575	2.5341	3.0746	1.0265	3.3640
#1	.48148	.46304	.22223	.97757	.84963	.96712
#2	.46080	.44341	.21424	.93266	.86725	.91699
#3	.45662	.44016	.21175	.92322	.85835	.90951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45482**	**.46368**	**.89817**	**.45968**	**.24312**
Stddev	.00650	.00258	.02452	.00566	.00753
%RSD	1.4302	.55638	2.7297	1.2321	3.0966
#1	.44826	.46330	.92584	.46129	.25173
#2	.46126	.46131	.88950	.46437	.23988
#3	.45493	.46643	.87916	.45339	.23776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2050.3**	**3507.3**	**55253.**	**4700.1**
Stddev	58.1	106.3	122.	44.7
%RSD	2.8318	3.0293	.22007	.95121
#1	1984.3	3386.7	55202.	4667.8
#2	2072.7	3548.2	55392.	4681.4
#3	2093.7	3587.0	55166.	4751.1

Sample Name: 180-130154-A-1-C Acquired: 11/26/2021 9:59:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**189.59**	**.09083**	**1.5918**	**.37475**	**.00168**
Stddev	.00050	.14	.00216	.0062	.00114	.00002
%RSD	19.828	.07625	2.3781	.38749	.30475	.98818
#1	.00194	189.58	.08873	1.5983	.37599	.00170
#2	.00279	189.74	.09070	1.5861	.37373	.00168
#3	.00281	189.45	.09305	1.5909	.37454	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**110.60**	**.07553**	**.73947**	**14.475**	**.68265**	**319.38**
Stddev	.20	.00027	.00144	.064	.00323	.76
%RSD	.17886	.35374	.19503	.44321	.47252	.23695
#1	110.71	.07581	.74109	14.539	.68555	319.37
#2	110.37	.07551	.73833	14.476	.68324	318.62
#3	110.72	.07527	.73898	14.411	.67918	320.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1195**	**.07198**	**31.755**	**1.8340**	**.08108**	**.35667**
Stddev	.0649	.00015	.045	.0059	.00026	.01102
%RSD	1.2678	.20394	.14218	.32333	.32570	3.0902
#1	5.0856	.07184	31.806	1.8344	.08123	.36881
#2	5.0786	.07213	31.741	1.8396	.08124	.34730
#3	5.1944	.07199	31.719	1.8278	.08078	.35390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-1-C Acquired: 11/26/2021 9:59:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07481**	**16.133**	**.01471**	**.01116**	**3.2426**	**.04353**
Stddev	.00018	.031	.00163	.00396	.0372	.00031
%RSD	.23896	.19194	11.070	35.501	1.1469	.70685
#1	.07479	16.169	.01286	.01527	3.2750	.04317
#2	.07464	16.113	.01533	.00737	3.2020	.04367
#3	.07500	16.117	.01594	.01084	3.2508	.04373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16081**	**3.3890**	**.00505**	**.07347**	F **86.211**
Stddev	.00437	.0113	.00302	.00419	.854
%RSD	2.7173	.33204	59.650	5.6992	.99007
#1	.15584	3.3834	.00723	.07534	87.190
#2	.16255	3.3817	.00161	.06868	85.626
#3	.16405	3.4020	.00632	.07640	85.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2043.4**	**3543.3**	**53980.**	**4844.8**
Stddev	4.4	13.6	71.	32.9
%RSD	.21422	.38388	.13147	.67904
#1	2039.1	3528.2	53926.	4860.3
#2	2047.9	3554.7	53954.	4867.1
#3	2043.3	3547.0	54060.	4807.0

Sample Name: 180-130154-A-2-C Acquired: 11/26/2021 10:04:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**184.29**	**.11302**	**.20823**	**.63214**	**.00157**
Stddev	.00038	.20	.00409	.00174	.00073	.00021
%RSD	5.3828	.10617	3.6186	.83688	.11537	13.566
#1	.00722	184.16	.11625	.20622	.63284	.00158
#2	.00723	184.52	.10842	.20926	.63219	.00135
#3	.00658	184.21	.11438	.20922	.63138	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.911**	**.04039**	**.73001**	**17.902**	**.78726**	**350.09**
Stddev	.106	.00015	.00514	.035	.00392	.40
%RSD	.19652	.38117	.70373	.19447	.49746	.11439
#1	53.789	.04021	.72410	17.874	.78318	350.31
#2	53.979	.04049	.73257	17.941	.78761	350.33
#3	53.966	.04046	.73337	17.891	.79098	349.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0439**	**.03488**	**15.693**	**1.1767**	**.09380**	**.33404**
Stddev	.0374	.00067	.053	.0033	.00116	.01001
%RSD	.61958	1.9194	.33524	.28014	1.2364	2.9976
#1	6.0871	.03439	15.677	1.1798	.09274	.34501
#2	6.0216	.03564	15.649	1.1732	.09362	.32538
#3	6.0229	.03461	15.751	1.1769	.09504	.33174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-2-C Acquired: 11/26/2021 10:04:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11910**	**17.692**	**.01098**	**.00763**	**2.4494**	**.07163**
Stddev	.00044	.107	.00113	.00440	.0048	.00137
%RSD	.36667	.60240	10.323	57.715	.19731	1.9136
#1	.11941	17.569	.01212	.00840	2.4518	.07051
#2	.11860	17.761	.01097	.01159	2.4438	.07122
#3	.11928	17.745	.00986	.00289	2.4525	.07316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16146**	**1.4580**	**.00622**	**.06672**	F **100.47**
Stddev	.00488	.0103	.00286	.00350	.53
%RSD	3.0253	.70849	46.013	5.2469	.53050
#1	.16493	1.4612	.00713	.06638	100.14
#2	.16358	1.4464	.00853	.07038	101.08
#3	.15588	1.4663	.00302	.06340	100.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2040.1**	**3507.8**	**54011.**	**4875.9**
Stddev	9.7	19.4	114.	2.9
%RSD	.47540	.55296	.21067	.05933
#1	2051.3	3529.7	54130.	4878.9
#2	2034.4	3500.8	53903.	4875.5
#3	2034.5	3492.8	54001.	4873.2

Sample Name: 180-130154-A-3-C Acquired: 11/26/2021 10:08:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05951**	**180.46**	**.07707**	**4.0446**	**.32594**	**.00137**
Stddev	.00085	.29	.00263	.1088	.00045	.00010
%RSD	1.4271	.16251	3.4141	2.6902	.13787	7.3321
#1	.06021	180.63	.07964	4.1277	.32644	.00129
#2	.05857	180.12	.07438	3.9215	.32578	.00148
#3	.05975	180.63	.07718	4.0847	.32559	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.805**	**.38172**	**.51293**	**.36463**	**1.8484**	**417.53**
Stddev	.134	.01056	.01269	.00196	.0012	.49
%RSD	.16407	2.7658	2.4735	.53817	.06543	.11637
#1	81.754	.39001	.52188	.36549	1.8494	417.24
#2	81.704	.36984	.49841	.36239	1.8470	417.25
#3	81.957	.38531	.51850	.36602	1.8487	418.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72026**	**.10642**	**33.829**	**2.6859**	**.05960**	**.75817**
Stddev	.02596	.00144	.204	.0093	.00158	.00428
%RSD	3.6040	1.3495	.60420	.34668	2.6537	.56418
#1	.70707	.10794	33.724	2.6956	.06110	.75411
#2	.70354	.10509	33.698	2.6771	.05794	.75776
#3	.75016	.10623	34.064	2.6850	.05975	.76263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-3-C Acquired: 11/26/2021 10:08:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18765**	**24.870**	**.03606**	**.01020**	**9.5596**	**.47457**
Stddev	.00569	.630	.00407	.00770	.0161	.01346
%RSD	3.0301	2.5313	11.281	75.510	.16877	2.8370
#1	.19277	25.331	.03636	.00920	9.5585	.48601
#2	.18153	24.153	.03997	.00305	9.5441	.45973
#3	.18866	25.127	.03185	.01836	9.5763	.47796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11645**	**.33013**	**-.00254**	**.07611**	F **277.28**
Stddev	.01469	.00123	.00060	.00303	1.65
%RSD	12.618	.37392	23.671	3.9821	.59405
#1	.11286	.33149	-.00198	.07396	278.81
#2	.13260	.32908	-.00246	.07480	275.54
#3	.10388	.32980	-.00318	.07957	277.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1995.5**	**3401.9**	**52026.**	**4811.9**
Stddev	44.4	82.5	127.	19.7
%RSD	2.2272	2.4258	.24484	.40964
#1	1961.2	3336.0	51889.	4809.6
#2	2045.7	3494.5	52141.	4832.7
#3	1979.6	3375.2	52047.	4793.4

Sample Name: 180-130154-A-4-C Acquired: 11/26/2021 10:13:11 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01585**	**151.64**	**.03610**	**1.9783**	**.27697**	**.00079**
Stddev	.00078	7.60	.00459	.0680	.01353	.00020
%RSD	4.8967	5.0119	12.712	3.4352	4.8849	25.001
#1	.01653	145.12	.04010	2.0355	.26539	.00058
#2	.01602	149.81	.03109	1.9032	.27369	.00098
#3	.01501	159.99	.03711	1.9963	.29184	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.996**	**.28479**	**.26320**	**.08226**	**1.0456**	**201.74**
Stddev	1.781	.00985	.00898	.00033	.0101	9.76
%RSD	4.6868	3.4587	3.4104	.39981	.96262	4.8385
#1	36.518	.29351	.27070	.08264	1.0565	193.48
#2	37.498	.27411	.25325	.08206	1.0436	199.21
#3	39.973	.28675	.26563	.08208	1.0366	212.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34394**	**.04539**	**15.546**	**1.2284**	**.04150**	**.22300**
Stddev	.00808	.00211	.719	.0087	.00097	.04508
%RSD	2.3502	4.6496	4.6242	.70882	2.3391	20.216
#1	.33537	.04314	14.941	1.2357	.04245	.18443
#2	.35142	.04570	15.356	1.2308	.04051	.21201
#3	.34503	.04732	16.341	1.2187	.04154	.27257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-4-C Acquired: 11/26/2021 10:13:11 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06592**	**18.206**	**.04107**	**.00765**	**2.8030**	**.69226**
Stddev	.00234	.591	.00187	.00642	.1404	.02554
%RSD	3.5538	3.2445	4.5496	83.997	5.0073	3.6890
#1	.06828	18.724	.04322	.00408	2.6778	.71589
#2	.06360	17.563	.04014	.00380	2.7766	.66517
#3	.06588	18.332	.03984	.01506	2.9547	.69571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.07995**	**.25599**	**-.00156**	**.05387**	F **246.93**
Stddev	.00731	.00128	.00227	.00354	9.18
%RSD	9.1404	.50141	145.67	6.5787	3.7191
#1	.08785	.25711	-.00403	.04988	255.26
#2	.07344	.25627	-.00110	.05667	237.08
#3	.07856	.25459	.00044	.05505	248.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					25.000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2061.2**	**3600.7**	**53916.**	**4807.8**
Stddev	54.5	100.5	249.	176.5
%RSD	2.6465	2.7920	.46119	3.6704
#1	2015.5	3512.7	53669.	4950.9
#2	2121.6	3710.3	53913.	4861.8
#3	2046.5	3579.2	54166.	4610.6

Sample Name: 180-130154-A-5-C Acquired: 11/26/2021 10:17:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**289.13**	**.04315**	**1.7156**	**.19671**	**.00206**
Stddev	.00032	2.79	.00127	.0121	.00220	.00006
%RSD	43.476	.96643	2.9422	.70695	1.1181	2.9576
#1	.00064	289.07	.04227	1.7231	.19624	.00212
#2	.00111	291.96	.04460	1.7221	.19911	.00205
#3	.00048	286.37	.04256	1.7016	.19479	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.143**	**.01351**	**.53083**	**.53603**	**.59564**	**473.90**
Stddev	.811	.00012	.00292	.00362	.00141	3.19
%RSD	1.0655	.90347	.55056	.67566	.23648	.67281
#1	76.096	.01352	.53286	.53917	.59689	472.40
#2	76.977	.01363	.53214	.53207	.59591	477.57
#3	75.356	.01338	.52748	.53686	.59411	471.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69235**	**.12937**	**48.947**	**3.1165**	**.03841**	**.18846**
Stddev	.02312	.00179	.301	.0123	.00046	.00323
%RSD	3.3395	1.3865	.61411	.39577	1.1896	1.7156
#1	.67554	.12811	48.835	3.1211	.03888	.18752
#2	.71871	.13143	49.288	3.1025	.03838	.19206
#3	.68279	.12858	48.719	3.1258	.03797	.18580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130154-A-5-C Acquired: 11/26/2021 10:17:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05148**	**.12643**	**.06854**	**.01034**	**2.9763**	**.02902**
Stddev	.00117	.00349	.00035	.00311	.0211	.00004
%RSD	2.2731	2.7619	.50818	30.120	.71033	.14520
#1	.05022	.12918	.06893	.00787	2.9598	.02897
#2	.05166	.12761	.06825	.01384	3.0002	.02904
#3	.05254	.12250	.06844	.00931	2.9691	.02905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.10259**	**.72577**	**-.00022**	**.10253**	**2.6374**
Stddev	.00864	.00296	.00077	.00303	.0144
%RSD	8.4224	.40777	347.91	2.9565	.54406
#1	.09419	.72661	.00011	.10183	2.6297
#2	.11145	.72248	.00032	.10586	2.6285
#3	.10214	.72822	-.00110	.09992	2.6539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2022.7**	**3508.1**	**54036.**	**4850.7**
Stddev	8.0	14.1	159.	47.1
%RSD	.39609	.40109	.29420	.97129
#1	2017.9	3499.3	53888.	4853.5
#2	2018.2	3500.6	54204.	4802.2
#3	2031.9	3524.3	54016.	4896.3

Sample Name: CCV 4546440 Acquired: 11/26/2021 10:22:13 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98841**	**23.949**	**.49243**	**2.0069**	**1.9305**	**1.9362**
Stddev	.00561	.197	.00316	.0100	.0127	.0060
%RSD	.56743	.82253	.64189	.50013	.65624	.30776
#1	.99460	23.874	.49587	2.0146	1.9194	1.9296
#2	.98696	24.172	.48966	1.9955	1.9443	1.9376
#3	.98367	23.800	.49176	2.0105	1.9279	1.9413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.413**	**.49482**	**1.9884**	**1.9008**	**1.9476**	**24.010**
Stddev	.251	.00214	.0079	.0108	.0055	.063
%RSD	.51783	.43334	.39599	.56817	.27969	.26255
#1	48.172	.49649	1.9899	1.9132	1.9538	23.942
#2	48.672	.49240	1.9799	1.8953	1.9456	24.024
#3	48.395	.49558	1.9954	1.8938	1.9434	24.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.38**	**2.0010**	**47.448**	**1.8839**	**1.9069**	**120.84**
Stddev	.42	.0120	.135	.0101	.0072	.52
%RSD	.35476	.60143	.28463	.53518	.37662	.43010
#1	117.14	1.9939	47.352	1.8951	1.9123	120.25
#2	117.15	2.0149	47.389	1.8809	1.8988	121.06
#3	117.86	1.9941	47.602	1.8756	1.9098	121.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 10:22:13 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9955**	**.48558**	**.48930**	**.50072**	**1.9279**	**1.8314**
Stddev	.0100	.00195	.00306	.00095	.0112	.0086
%RSD	.50073	.40069	.62639	.18976	.58028	.47072
#1	1.9936	.48783	.49130	.50059	1.9406	1.8394
#2	1.9866	.48459	.48577	.49984	1.9233	1.8222
#3	2.0063	.48433	.49082	.50173	1.9197	1.8326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9199**	**1.9243**	**.94504**	**1.9241**	**1.9207**
Stddev	.0203	.0104	.00071	.0088	.0085
%RSD	1.0547	.53793	.07468	.45656	.44054
#1	1.9004	1.9359	.94561	1.9174	1.9264
#2	1.9408	1.9210	.94425	1.9341	1.9110
#3	1.9185	1.9160	.94524	1.9209	1.9246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1909.7**	**3455.9**	**53021.**	**4683.2**
Stddev	8.5	12.0	305.	29.1
%RSD	.44336	.34735	.57589	.62166
#1	1911.2	3448.0	52668.	4714.8
#2	1917.3	3469.7	53191.	4677.5
#3	1900.6	3449.9	53203.	4657.4

Sample Name: CCB3 Acquired: 11/26/2021 10:26:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00372**	**-.00097**	**.00354**	**.00006**	**-.00003**
Stddev	.00035	.01805	.00140	.00047	.00039	.00002
%RSD	7807.9	484.71	144.53	13.254	658.21	60.890
#1	-.00040	-.01426	.00042	.00403	.00049	-.00002
#2	.00022	-.01403	-.00238	.00350	-.00003	-.00002
#3	.00019	.01712	-.00095	.00309	-.00028	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00669**	**-.00000**	**.00012**	**.00011**	**.00093**	**-.00292**
Stddev	.00108	.00005	.00018	.00084	.00044	.00097
%RSD	16.156	2101.9	151.90	763.59	46.895	33.296
#1	-.00792	.00004	.00016	.00022	.00098	-.00181
#2	-.00626	.00001	.00028	-.00078	.00047	-.00363
#3	-.00589	-.00006	-.00008	.00089	.00134	-.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04168**	**-.00090**	**.00990**	**.00004**	**.00717**	**-.23992**
Stddev	.01541	.00055	.01124	.00003	.00121	.01095
%RSD	36.974	61.369	113.58	66.012	16.940	4.5637
#1	-.03208	-.00029	.01498	.00004	.00837	-.22748
#2	-.03351	-.00137	-.00299	.00001	.00720	-.24420
#3	-.05946	-.00105	.01771	.00007	.00594	-.24808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 11/26/2021 10:26:35 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00184**	**.00039**	**.00096**	**.00195**	**-.00082**
Stddev	.00027	.00049	.00114	.00172	.00576	.00029
%RSD	2097.7	26.609	290.39	178.72	295.55	35.139
#1	.00019	.00176	.00171	.00234	.00142	-.00097
#2	-.00032	.00139	-.00029	.00151	.00795	-.00049
#3	.00009	.00236	-.00024	-.00097	-.00353	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00044**	**-.00034**	**.00171**	F **.02070**
Stddev	.00749	.00008	.00154	.00150	.00109
%RSD	1244.9	18.575	458.88	87.637	5.2551
#1	.00611	.00038	-.00206	-.00000	.02155
#2	-.00869	.00041	.00092	.00277	.02108
#3	.00078	.00054	.00013	.00235	.01948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					.02000
Low Limit					-.02000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2291.7**	**3701.2**	**56466.**	**4747.4**
Stddev	54.9	91.6	245.	19.3
%RSD	2.3962	2.4756	.43323	.40756
#1	2254.0	3641.3	56542.	4769.2
#2	2266.4	3655.5	56193.	4740.8
#3	2354.7	3806.7	56664.	4732.2

Sample Name: 180-130345-B-1-D Acquired: 11/26/2021 10:31:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**88.301**	**.07180**	**.02923**	**.85653**	**.00451**
Stddev	.00032	1.175	.00062	.00030	.01288	.00010
%RSD	16.344	1.3308	.86929	1.0417	1.5035	2.3197
#1	-.00199	87.709	.07139	.02957	.85349	.00445
#2	-.00160	87.539	.07252	.02898	.84545	.00446
#3	-.00223	89.654	.07149	.02913	.87066	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.69**	**.00071**	**.05945**	**.13841**	**.15331**	**133.01**
Stddev	1.28	.00018	.00065	.00139	.00169	1.74
%RSD	1.2231	25.020	1.0963	1.0050	1.1008	1.3093
#1	103.85	.00067	.05995	.13833	.15459	132.12
#2	104.05	.00090	.05871	.13706	.15139	131.89
#3	106.16	.00056	.05968	.13984	.15394	135.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6766**	**.06004**	**14.791**	**3.5666**	**.02517**	**7.7571**
Stddev	.0466	.00088	.138	.0141	.00036	.1408
%RSD	.99758	1.4605	.93124	.39553	1.4481	1.8155
#1	4.6571	.05918	14.694	3.5819	.02551	7.7692
#2	4.6428	.06002	14.730	3.5540	.02522	7.6107
#3	4.7298	.06094	14.948	3.5639	.02479	7.8915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-D Acquired: 11/26/2021 10:31:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12645**	**.12100**	**.00305**	**.00396**	F **12.806**	**.04513**
Stddev	.00119	.00189	.00133	.00505	.219	.00051
%RSD	.94054	1.5593	43.478	127.53	1.7126	1.1321
#1	.12676	.12315	.00440	-.00013	12.756	.04460
#2	.12513	.12021	.00299	.00961	12.615	.04562
#3	.12745	.11964	.00175	.00241	13.046	.04515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.28519**	**1.6625**	**-.00384**	**.20071**	**.48040**
Stddev	.01287	.0082	.00258	.00511	.00212
%RSD	4.5122	.49060	67.135	2.5436	.44148
#1	.29674	1.6695	-.00406	.20052	.48226
#2	.27132	1.6645	-.00116	.19570	.47809
#3	.28750	1.6536	-.00630	.20591	.48085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1996.6**	**3816.6**	**58343.**	**5163.6**
Stddev	6.8	13.6	163.	48.3
%RSD	.33968	.35738	.27873	.93586
#1	1989.4	3803.1	58358.	5197.8
#2	2002.9	3830.3	58497.	5184.6
#3	1997.4	3816.3	58173.	5108.3

Sample Name: 180-130345-B-1D SD@5 Acquired: 11/26/2021 10:35:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**19.102**	**.01573**	**.00758**	**.18669**	**.00088**
Stddev	.00056	.135	.00182	.00043	.00057	.00004
%RSD	70.567	.70820	11.560	5.7135	.30752	4.1808
#1	-.00091	19.155	.01368	.00728	.18603	.00092
#2	-.00130	19.203	.01634	.00738	.18693	.00084
#3	-.00019	18.948	.01716	.00808	.18710	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.280**	**.00006**	**.01203**	**.03150**	**.03373**	**30.037**
Stddev	.050	.00003	.00035	.00007	.00057	.110
%RSD	.21361	44.941	2.8890	.23243	1.6954	.36752
#1	23.316	.00003	.01215	.03142	.03433	30.164
#2	23.301	.00009	.01230	.03156	.03368	29.971
#3	23.224	.00007	.01164	.03151	.03319	29.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92553**	**.01072**	**3.2776**	**.81644**	**.00631**	**1.4514**
Stddev	.01652	.00143	.0376	.00736	.00039	.0152
%RSD	1.7851	13.327	1.1466	.90105	6.1291	1.0467
#1	.94024	.00996	3.3178	.81617	.00666	1.4571
#2	.90765	.01236	3.2718	.80923	.00637	1.4342
#3	.92869	.00982	3.2433	.82393	.00589	1.4629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1D SD@5 Acquired: 11/26/2021 10:35:50 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02589**	**.02625**	**-.00005**	**-.00240**	**2.8293**	**.00916**
Stddev	.00016	.00116	.00028	.00283	.0352	.00071
%RSD	.59894	4.4125	582.23	117.65	1.2458	7.7660
#1	.02572	.02730	.00024	-.00080	2.8482	.00915
#2	.02602	.02644	-.00007	-.00074	2.8511	.00845
#3	.02594	.02500	-.00032	-.00567	2.7886	.00987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.06612**	**.36735**	**-.00045**	**.04648**	**.11394**
Stddev	.00492	.00379	.00060	.00294	.00026
%RSD	7.4418	1.0329	135.12	6.3358	.22637
#1	.06231	.36631	-.00059	.04782	.11392
#2	.06437	.36418	.00022	.04310	.11421
#3	.07167	.37155	-.00096	.04852	.11370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2179.8**	**3732.9**	**56774.**	**4936.0**
Stddev	7.3	5.6	427.	37.7
%RSD	.33416	.15048	.75273	.76336
#1	2181.3	3733.8	56659.	4919.2
#2	2171.9	3726.8	57248.	4909.6
#3	2186.2	3738.0	56417.	4979.1

Sample Name: 180-130345-B-1-E MS Acquired: 11/26/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18644**	**111.67**	**.82331**	**.94201**	**1.6522**	**.37289**
Stddev	.00144	.18	.00923	.00395	.0018	.00078
%RSD	.77349	.15844	1.1211	.41969	.11009	.20917
#1	.18490	111.78	.81457	.93979	1.6539	.37300
#2	.18776	111.76	.83296	.94658	1.6503	.37206
#3	.18665	111.46	.82240	.93968	1.6525	.37361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.42**	**.37408**	**.46712**	**.50224**	**.54479**	**130.18**
Stddev	.38	.00084	.00155	.00379	.00360	.27
%RSD	.21722	.22555	.33283	.75363	.66122	.21098
#1	175.82	.37389	.46750	.49843	.54584	130.39
#2	175.39	.37501	.46844	.50600	.54775	129.87
#3	175.06	.37335	.46540	.50231	.54078	130.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.775**	**.46295**	**33.417**	**3.9556**	**.37593**	**24.682**
Stddev	.162	.00226	.102	.0162	.00174	.204
%RSD	.70939	.48911	.30447	.41054	.46354	.82706
#1	22.908	.46491	33.516	3.9378	.37454	24.758
#2	22.595	.46348	33.313	3.9697	.37789	24.450
#3	22.822	.46047	33.421	3.9593	.37538	24.836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-E MS Acquired: 11/26/2021 10:40:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52626**	**.51347**	**.10221**	**.73947**	F **18.424**	**.70558**
Stddev	.00235	.00530	.00214	.00451	.126	.00297
%RSD	.44565	1.0318	2.0916	.60949	.68115	.42029
#1	.52642	.51570	.10432	.74325	18.422	.70395
#2	.52852	.51729	.10005	.74069	18.300	.70900
#3	.52384	.50742	.10226	.73448	18.551	.70378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.71243**	**2.0284**	**.75997**	**.56851**	**.65193**
Stddev	.00585	.0015	.00238	.00411	.00247
%RSD	.82050	.07378	.31354	.72356	.37850
#1	.70919	2.0271	.75787	.57319	.65065
#2	.70893	2.0282	.76256	.56691	.65477
#3	.71918	2.0301	.75949	.56544	.65036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1895.6**	**3713.3**	**56786.**	**5114.2**
Stddev	8.6	16.1	169.	38.4
%RSD	.45524	.43318	.29749	.75071
#1	1893.1	3714.1	56950.	5070.7
#2	1888.6	3696.8	56613.	5143.6
#3	1905.3	3728.9	56794.	5128.2

Sample Name: 180-130345-B-1-F MSD Acquired: 11/26/2021 10:44:44 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17708**	**109.89**	**.89764**	**.91432**	**1.6757**	**.36928**
Stddev	.00060	.75	.01864	.02005	.0118	.00279
%RSD	.33806	.67898	2.0771	2.1927	.70689	.75510
#1	.17640	110.74	.88817	.90352	1.6893	.37250
#2	.17751	109.34	.88563	.90199	1.6676	.36764
#3	.17734	109.58	.91912	.93746	1.6702	.36770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**140.34**	**.36469**	**.49189**	**.52790**	**.59685**	**226.93**
Stddev	1.33	.00734	.01173	.00416	.00361	1.69
%RSD	.95083	2.0131	2.3855	.78733	.60566	.74549
#1	141.88	.36002	.48456	.52314	.59287	228.88
#2	139.47	.36090	.48569	.53081	.59993	225.77
#3	139.68	.37315	.50543	.52974	.59773	226.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.232**	**.45031**	**33.160**	**4.6995**	**.37841**	**23.197**
Stddev	.168	.00383	.230	.0272	.00787	.138
%RSD	.75419	.85071	.69228	.57771	2.0796	.59695
#1	22.425	.45464	33.410	4.6686	.37409	23.352
#2	22.147	.44891	32.958	4.7102	.37365	23.084
#3	22.124	.44737	33.112	4.7197	.38750	23.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-F MSD Acquired: 11/26/2021 10:44:44 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58081**	**.57368**	**.10289**	**.73568**	F **16.046**	**.69393**
Stddev	.01516	.01631	.00411	.01647	.073	.01278
%RSD	2.6100	2.8427	3.9947	2.2394	.45431	1.8415
#1	.57182	.56783	.10188	.72527	16.126	.68515
#2	.57229	.56111	.09937	.72710	15.983	.68806
#3	.59831	.59211	.10741	.75468	16.029	.70859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.68005**	**1.9850**	**.76561**	**.70889**	**.71784**
Stddev	.01621	.0051	.01778	.01010	.01510
%RSD	2.3838	.25541	2.3226	1.4241	2.1029
#1	.69795	1.9795	.75520	.72027	.70808
#2	.67585	1.9860	.75548	.70100	.71021
#3	.66636	1.9895	.78614	.70540	.73522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1903.8**	**3892.6**	**60764.**	**5438.1**
Stddev	38.6	58.8	385.	57.0
%RSD	2.0270	1.5100	.63292	1.0480
#1	1926.7	3928.3	61208.	5373.4
#2	1925.3	3924.7	60523.	5480.8
#3	1859.2	3824.7	60562.	5460.0

Sample Name: 180-130345-B-1-D PDS Acquired: 11/26/2021 10:49:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23363**	**91.582**	F **1.0130**	**1.2689**	**1.7633**	**.46682**
Stddev	.00064	.158	.0057	.0032	.0046	.00172
%RSD	.27559	.17216	.56769	.25174	.26348	.36809
#1	.23288	91.749	1.0195	1.2721	1.7629	.46630
#2	.23403	91.564	1.0111	1.2689	1.7682	.46874
#3	.23396	91.435	1.0085	1.2658	1.7589	.46542
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.01**	**.45960**	**.56184**	**.58141**	**.62361**	**135.80**
Stddev	.28	.00118	.00188	.00079	.00221	.49
%RSD	.22572	.25598	.33444	.13641	.35376	.35948
#1	126.34	.46094	.56294	.58091	.62221	135.74
#2	125.81	.45873	.56292	.58100	.62246	136.31
#3	125.88	.45914	.55967	.58232	.62615	135.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.529**	**.53740**	**37.038**	**3.9367**	**.46829**	**31.355**
Stddev	.151	.00148	.091	.0046	.00065	.187
%RSD	.54937	.27614	.24453	.11777	.13825	.59580
#1	27.507	.53691	37.105	3.9322	.46899	31.270
#2	27.690	.53907	36.935	3.9366	.46772	31.569
#3	27.390	.53623	37.074	3.9415	.46815	31.225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-B-1-D PDS Acquired: 11/26/2021 10:49:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62307**	**.59485**	**.21911**	**.94039**	F **13.978**	**.89156**
Stddev	.00407	.00258	.00193	.00426	.081	.00053
%RSD	.65373	.43349	.88214	.45307	.58058	.05895
#1	.62471	.59729	.21957	.94224	13.972	.89150
#2	.62607	.59511	.21699	.94342	14.063	.89212
#3	.61844	.59215	.22078	.93552	13.901	.89107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.73178**	**2.1116**	**.93569**	**.64638**	**.67323**
Stddev	.01160	.0024	.00481	.00274	.00146
%RSD	1.5845	.11526	.51401	.42404	.21700
#1	.74357	2.1093	.94115	.64910	.67465
#2	.72039	2.1142	.93210	.64643	.67331
#3	.73140	2.1112	.93382	.64361	.67173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1945.1**	**3782.9**	**58238.**	**5200.0**
Stddev	8.0	11.8	86.	18.2
%RSD	.41241	.31207	.14804	.34937
#1	1940.0	3772.3	58336.	5188.9
#2	1941.0	3780.9	58176.	5190.3
#3	1954.4	3795.6	58202.	5221.0

Sample Name: 180-130253-A-1-C@25 Acquired: 11/26/2021 10:53:20 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00831**	**.00258**	**.00211**	**.00018**	**.00002**
Stddev	.00013	.01078	.00286	.00048	.00018	.00001
%RSD	168.33	129.64	110.84	22.704	103.80	58.718
#1	-.00003	.01546	.00142	.00266	-.00003	.00001
#2	.00002	-.00408	.00048	.00181	.00031	.00003
#3	-.00023	.01357	.00583	.00186	.00026	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13633**	**-.00068**	**.35541**	F **37.861**	**.93947**	**173.47**
Stddev	.00197	.00014	.01263	.255	.01032	.63
%RSD	1.4467	20.671	3.5534	.67434	1.0986	.36280
#1	.13682	-.00065	.36436	37.813	.92979	174.02
#2	.13415	-.00056	.34097	37.634	.93828	173.60
#3	.13800	-.00083	.36092	38.138	.95033	172.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.00500		

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09786**	**-.00224**	**.03751**	**3.0466**	**.51545**	**-.24504**
Stddev	.02529	.00118	.01828	.0302	.01881	.00372
%RSD	25.840	52.598	48.722	.99067	3.6485	1.5174
#1	-.11800	-.00096	.03734	3.0231	.52871	-.24117
#2	-.06948	-.00249	.01932	3.0361	.49392	-.24535
#3	-.10609	-.00327	.05587	3.0806	.52370	-.24859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@25 Acquired: 11/26/2021 10:53:20 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3915**	**-.00332**	**.00489**	**.00790**	**.73920**	**.02335**
Stddev	.3485	.00058	.00205	.00025	.01758	.00066
%RSD	3.7107	17.597	41.844	3.2172	2.3778	2.8290
#1	9.6386	-.00274	.00725	.00805	.75867	.02349
#2	8.9929	-.00331	.00369	.00803	.73443	.02262
#3	9.5431	-.00391	.00372	.00760	.72451	.02392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00365**	**.00967**	**.18130**	**.01852**
Stddev	.01014	.00020	.00103	.00104	.00072
%RSD	9583.0	5.5515	10.620	.57366	3.9014
#1	-.00979	.00342	.01083	.18234	.01786
#2	-.00036	.00380	.00888	.18129	.01929
#3	.01047	.00371	.00931	.18026	.01840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2219.8**	**3658.2**	**55567.**	**4742.1**
Stddev	68.2	110.6	522.	22.2
%RSD	3.0723	3.0244	.93896	.46818
#1	2172.9	3581.3	56058.	4721.1
#2	2298.0	3785.0	55624.	4739.8
#3	2188.4	3608.3	55019.	4765.4

Sample Name: 180-130345-A-3-D Acquired: 11/26/2021 10:58:00 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**83.140**	**.06387**	**.02921**	**.89224**	**.00389**
Stddev	.00037	.190	.00158	.00018	.00256	.00012
%RSD	25.027	.22867	2.4794	.59947	.28692	3.0739
#1	-.00149	83.336	.06205	.02936	.89488	.00400
#2	-.00187	82.956	.06462	.02902	.89208	.00391
#3	-.00112	83.126	.06494	.02926	.88977	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**147.02**	**.00059**	**.05611**	**.11849**	**.13744**	**113.23**
Stddev	.17	.00006	.00015	.00047	.00050	.31
%RSD	.11500	10.454	.26683	.39461	.36604	.27138
#1	147.18	.00053	.05627	.11833	.13760	113.14
#2	146.84	.00060	.05607	.11901	.13688	112.97
#3	147.04	.00065	.05598	.11812	.13785	113.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5279**	**.05598**	**13.768**	**4.0278**	**.02274**	**3.2189**
Stddev	.0332	.00118	.093	.0098	.00085	.0277
%RSD	.73317	2.1121	.67639	.24447	3.7388	.85995
#1	4.5476	.05724	13.863	4.0250	.02351	3.2196
#2	4.4896	.05583	13.677	4.0387	.02290	3.1908
#3	4.5465	.05489	13.765	4.0196	.02183	3.2462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130345-A-3-D Acquired: 11/26/2021 10:58:00 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10886**	**.12358**	**.00027**	**.00207**	F **15.543**	**.04066**
Stddev	.00155	.00191	.00229	.00204	.071	.00019
%RSD	1.4207	1.5429	861.55	98.359	.45847	.46646
#1	.10833	.12539	.00089	.00009	15.489	.04067
#2	.10766	.12159	.00218	.00196	15.517	.04084
#3	.11061	.12376	-.00227	.00416	15.624	.04046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.32009**	**1.5429**	**-.00357**	**.17657**	**.44890**
Stddev	.00779	.0032	.00049	.00370	.00066
%RSD	2.4322	.20484	13.649	2.0965	.14707
#1	.31747	1.5463	-.00348	.17325	.44925
#2	.31396	1.5425	-.00410	.18056	.44814
#3	.32885	1.5400	-.00314	.17590	.44931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.0**	**3786.6**	**57917.**	**5171.6**
Stddev	2.7	2.8	80.	18.5
%RSD	.13464	.07394	.13869	.35856
#1	1999.8	3784.6	57876.	5177.2
#2	1996.8	3785.3	57866.	5186.7
#3	1994.4	3789.8	58009.	5150.9

Sample Name: 180-130364-A-1-A Acquired: 11/26/2021 11:02:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**13.320**	**.03000**	**.03941**	**.26966**	**.00799**
Stddev	.00025	.035	.00147	.00021	.00092	.00006
%RSD	7.7640	.26291	4.9089	.54068	.34095	.72548
#1	.00318	13.358	.02852	.03917	.27072	.00804
#2	.00293	13.314	.03000	.03956	.26913	.00799
#3	.00342	13.289	.03146	.03950	.26913	.00793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.922**	**.00015**	**.02298**	**.04307**	**.13126**	**19.729**
Stddev	.062	.00005	.00030	.00056	.00017	.088
%RSD	.44777	30.323	1.3122	1.2954	.12992	.44696
#1	13.994	.00019	.02284	.04246	.13143	19.821
#2	13.887	.00010	.02333	.04321	.13108	19.722
#3	13.886	.00016	.02278	.04355	.13127	19.645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32474**	**.00578**	**.82277**	**.12672**	**.00497**	**.66055**
Stddev	.03095	.00034	.03511	.00041	.00020	.01307
%RSD	9.5296	5.9511	4.2674	.32682	4.0584	1.9787
#1	.31804	.00550	.78896	.12624	.00517	.67562
#2	.35848	.00568	.85905	.12695	.00498	.65365
#3	.29769	.00616	.82031	.12696	.00477	.65237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-1-A Acquired: 11/26/2021 11:02:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04790**	**.00647**	**.00012**	**.01361**	**2.0708**	**.03144**
Stddev	.00015	.00103	.00100	.00062	.0430	.00071
%RSD	.31317	15.979	813.49	4.5620	2.0776	2.2531
#1	.04773	.00699	.00128	.01385	2.1117	.03222
#2	.04797	.00713	-.00051	.01290	2.0749	.03125
#3	.04800	.00528	-.00040	.01407	2.0259	.03084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.29039**	**1.0422**	**-.00233**	**.07976**	**.28010**
Stddev	.00470	.0026	.00102	.00048	.00031
%RSD	1.6197	.24689	43.523	.60125	.11192
#1	.28780	1.0394	-.00187	.08027	.27995
#2	.29582	1.0428	-.00350	.07968	.27988
#3	.28755	1.0445	-.00163	.07932	.28046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.2**	**3867.0**	**59681.**	**5079.9**
Stddev	1.5	4.9	58.	29.8
%RSD	.06844	.12577	.09686	.58613
#1	2205.4	3862.8	59704.	5056.5
#2	2206.7	3872.3	59615.	5069.7
#3	2203.6	3865.8	59723.	5113.4

Sample Name: 180-130364-A-2-A Acquired: 11/26/2021 11:07:06 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**14.903**	**.03420**	**.04519**	**.29526**	**.00833**
Stddev	.00022	.079	.00100	.00045	.00145	.00014
%RSD	61.771	.52955	2.9262	1.0024	.48981	1.6484
#1	-.00016	14.812	.03506	.04558	.29369	.00823
#2	-.00059	14.953	.03310	.04469	.29558	.00828
#3	-.00030	14.944	.03443	.04530	.29652	.00849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.605**	**.00005**	**.02474**	**.04319**	**.14632**	**23.199**
Stddev	.091	.00005	.00054	.00188	.00390	.087
%RSD	.58084	117.02	2.1826	4.3513	2.6663	.37628
#1	15.518	.00003	.02428	.04150	.14339	23.125
#2	15.600	.00010	.02461	.04522	.15075	23.178
#3	15.699	-.00000	.02534	.04286	.14482	23.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37493**	**.00442**	**.89386**	**.14575**	**.00479**	**.72237**
Stddev	.00637	.00086	.01650	.00425	.00020	.00071
%RSD	1.6998	19.549	1.8457	2.9180	4.2174	.09843
#1	.38229	.00524	.91287	.14191	.00501	.72211
#2	.37097	.00450	.88321	.15032	.00462	.72182
#3	.37155	.00352	.88551	.14502	.00474	.72317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-2-A Acquired: 11/26/2021 11:07:06 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04880**	**.00796**	**.00092**	**.01437**	**2.4191**	**.03232**
Stddev	.00089	.00059	.00159	.00089	.0367	.00070
%RSD	1.8199	7.4351	173.14	6.1786	1.5186	2.1643
#1	.04815	.00830	.00028	.01337	2.4019	.03180
#2	.04843	.00728	.00273	.01506	2.3942	.03205
#3	.04981	.00831	-.00025	.01467	2.4613	.03312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.31583**	**1.1342**	**-.00220**	**.08515**	**.31693**
Stddev	.00345	.0313	.00273	.00207	.00450
%RSD	1.0920	2.7552	123.99	2.4294	1.4211
#1	.31957	1.1073	-.00487	.08415	.31379
#2	.31278	1.1685	-.00230	.08753	.31490
#3	.31514	1.1268	.00058	.08377	.32209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2180.2**	**3853.8**	**58870.**	**5142.1**
Stddev	28.8	36.6	1491.	28.6
%RSD	1.3200	.94878	2.5332	.55693
#1	2202.8	3879.1	60134.	5143.6
#2	2190.0	3870.5	57225.	5169.9
#3	2147.8	3811.9	59250.	5112.7

Sample Name: CCV 4546440 Acquired: 11/26/2021 11:11:41 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98567**	**24.097**	**.48500**	**1.9728**	**1.9262**	**1.9245**
Stddev	.00237	.216	.00179	.0051	.0106	.0151
%RSD	.24092	.89686	.36974	.25778	.54749	.78655
#1	.98303	24.318	.48300	1.9689	1.9362	1.9416
#2	.98763	24.087	.48648	1.9785	1.9273	1.9130
#3	.98635	23.886	.48551	1.9710	1.9152	1.9187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.507**	**.48732**	**1.9694**	**1.9023**	**1.9379**	**23.828**
Stddev	.546	.00155	.0065	.0123	.0051	.243
%RSD	1.1258	.31884	.32988	.64664	.26308	1.0209
#1	49.082	.48612	1.9681	1.8934	1.9358	24.090
#2	48.442	.48907	1.9764	1.8971	1.9342	23.609
#3	47.996	.48676	1.9636	1.9163	1.9437	23.785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.52**	**2.0002**	**47.520**	**1.8693**	**1.8817**	**119.97**
Stddev	.91	.0150	.454	.0053	.0061	.70
%RSD	.78517	.75259	.95616	.28104	.32642	.57969
#1	117.50	2.0124	48.029	1.8632	1.8754	120.66
#2	115.69	2.0047	47.375	1.8721	1.8876	119.26
#3	116.37	1.9834	47.156	1.8726	1.8822	120.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 11:11:41 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9708**	**.48211**	**.47647**	**.49009**	**1.9367**	**1.8128**
Stddev	.0037	.00134	.00397	.00062	.0038	.0075
%RSD	.18959	.27696	.83248	.12707	.19791	.41170
#1	1.9689	.48212	.47636	.48965	1.9324	1.8123
#2	1.9751	.48344	.48049	.49081	1.9379	1.8204
#3	1.9684	.48077	.47256	.48983	1.9398	1.8055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9202**	**1.9031**	**.93530**	**1.9341**	**1.8796**
Stddev	.0218	.0032	.00176	.0185	.0015
%RSD	1.1360	.16532	.18776	.95402	.08256
#1	1.9430	1.8997	.93347	1.9504	1.8780
#2	1.9179	1.9060	.93697	1.9377	1.8811
#3	1.8996	1.9036	.93548	1.9141	1.8798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.5**	**3522.3**	**53670.**	**4699.4**
Stddev	4.0	5.0	239.	64.4
%RSD	.20613	.14172	.44445	1.3714
#1	1944.0	3528.1	53873.	4626.0
#2	1936.2	3519.1	53728.	4725.4
#3	1941.4	3519.8	53407.	4746.7

Sample Name: CCB4 Acquired: 11/26/2021 11:16:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.01361**	**-.00111**	**.00178**	**.00002**	**.00005**
Stddev	.00015	.01158	.00139	.00012	.00007	.00023
%RSD	214.46	85.067	124.99	6.4969	373.57	424.43
#1	-.00003	-.02415	-.00208	.00175	.00009	.00029
#2	.00005	-.00122	-.00173	.00190	-.00005	.00003
#3	-.00023	-.01546	.00048	.00168	.00002	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**.00000**	**-.00015**	**.00012**	**.00106**	**-.00426**
Stddev	.00206	.00016	.00006	.00032	.00024	.00364
%RSD	83.921	4964.7	37.672	268.41	22.408	85.385
#1	-.00476	.00013	-.00018	-.00014	.00116	-.00846
#2	-.00181	-.00018	-.00019	.00003	.00122	-.00194
#3	-.00080	.00007	-.00009	.00047	.00079	-.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04713**	**-.00207**	**.03408**	**.00005**	**.00734**	**-.25668**
Stddev	.02662	.00146	.05580	.00003	.00087	.00778
%RSD	56.490	70.214	163.72	53.577	11.906	3.0316
#1	-.06134	-.00354	.03717	.00008	.00830	-.26428
#2	-.01642	-.00063	.08827	.00005	.00712	-.24873
#3	-.06364	-.00205	-.02320	.00003	.00659	-.25704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 11/26/2021 11:16:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00125**	**.00023**	**.00265**	**.01868**	**-.00032**
Stddev	.00025	.00110	.00003	.00343	.01810	.00034
%RSD	133.46	87.734	14.868	129.43	96.870	103.95
#1	.00019	.00048	.00021	.00381	-.00165	-.00059
#2	.00043	.00076	.00027	.00534	.03303	-.00044
#3	-.00006	.00251	.00022	-.00121	.02466	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00514**	**.00043**	**.00074**	**-.00030**	**.00388**
Stddev	.01059	.00016	.00048	.00268	.00003
%RSD	205.81	37.652	64.121	893.08	.84747
#1	.00691	.00059	.00029	.00114	.00387
#2	-.01295	.00026	.00124	.00135	.00391
#3	-.00939	.00046	.00069	-.00339	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.7**	**3674.3**	**57209.**	**4811.6**
Stddev	47.2	76.1	372.	31.3
%RSD	2.0773	2.0715	.65106	.65008
#1	2296.2	3717.5	56794.	4785.5
#2	2299.6	3718.9	57514.	4803.0
#3	2216.2	3586.4	57319.	4846.3

Sample Name: 180-130253-A-1-C@10 Acquired: 11/26/2021 11:20:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.06890**	**.01021**	**.00034**	**.00058**	**.00023**
Stddev	.00050	.02307	.01121	.00066	.00025	.00009
%RSD	55.764	33.475	109.77	193.82	42.793	37.666
#1	.00056	.04284	-.00209	.00109	.00065	.00026
#2	.00066	.08667	.01987	-.00015	.00030	.00014
#3	.00147	.07720	.01286	.00008	.00078	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32204**	**-.00167**	**.84914**	F **87.204**	**2.3324**	**403.54**
Stddev	.00171	.00014	.04592	1.258	.0157	1.74
%RSD	.53105	8.2707	5.4081	1.4422	.67393	.43183
#1	.32078	-.00175	.79620	88.636	2.3464	405.55
#2	.32398	-.00174	.87830	86.696	2.3154	402.36
#3	.32135	-.00151	.87292	86.280	2.3356	402.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25.000		
Low Limit				-.00500		

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.14816**	**-.00284**	**.01717**	**7.1154**	**1.2607**	**-.23211**
Stddev	.03582	.00100	.02602	.0979	.0718	.00137
%RSD	24.178	35.161	151.54	1.3763	5.6973	.59218
#1	-.18542	-.00377	.02524	7.2213	1.1778	-.23305
#2	-.14510	-.00179	-.01193	7.0281	1.3046	-.23053
#3	-.11397	-.00297	.03821	7.0968	1.2998	-.23276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@10 Acquired: 11/26/2021 11:20:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.048**	**-.00719**	**.01702**	**.00818**	**1.6058**	**.05366**
Stddev	1.198	.00271	.00139	.00487	.0131	.00323
%RSD	5.4354	37.714	8.1836	59.473	.81328	6.0140
#1	20.668	-.00829	.01854	.00548	1.6070	.04993
#2	22.824	-.00918	.01582	.01380	1.5922	.05565
#3	22.653	-.00410	.01669	.00526	1.6182	.05539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00822**	**.02456**	**.44091**	**.02819**
Stddev	.00368	.00006	.00196	.00876	.00482
%RSD	1246.4	.73606	7.9817	1.9865	17.095
#1	.00437	.00827	.02231	.44452	.03376
#2	-.00279	.00824	.02589	.43092	.02530
#3	-.00069	.00815	.02548	.44729	.02553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2194.3**	**3590.3**	**54581.**	**4749.4**
Stddev	100.7	171.2	516.	36.3
%RSD	4.5896	4.7672	.94546	.76524
#1	2310.2	3787.5	54053.	4716.9
#2	2128.5	3480.2	55085.	4788.7
#3	2144.2	3503.2	54604.	4742.6

Sample Name: 180-130253-A-1-C@50 Acquired: 11/26/2021 11:25:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01038**	**.00069**	**.00056**	**.00028**	**.00000**
Stddev	.00014	.00491	.00307	.00038	.00011	.00021
%RSD	113.96	47.294	443.48	68.882	39.677	5607.4
#1	.00027	.01598	.00302	.00100	.00039	-.00019
#2	.00013	.00679	.00184	.00028	.00028	.00022
#3	-.00002	.00838	-.00278	.00039	.00017	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06712**	**-.00041**	**.19023**	**21.088**	**.50778**	**94.783**
Stddev	.00259	.00022	.00893	.050	.00215	.573
%RSD	3.8546	53.937	4.6920	.23835	.42243	.60458
#1	.06949	-.00037	.19524	21.145	.50788	95.388
#2	.06436	-.00066	.19552	21.073	.50987	94.249
#3	.06752	-.00022	.17992	21.048	.50558	94.712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11856**	**-.00223**	**.01528**	**1.6643**	**.27903**	**-.26459**
Stddev	.02577	.00059	.03603	.0016	.01365	.00284
%RSD	21.738	26.613	235.81	.09545	4.8921	1.0731
#1	-.08951	-.00283	-.00920	1.6656	.28719	-.26787
#2	-.13867	-.00165	.05665	1.6625	.28664	-.26306
#3	-.12749	-.00220	-.00161	1.6649	.26328	-.26285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130253-A-1-C@50 Acquired: 11/26/2021 11:25:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0657**	**-.00235**	**.00330**	**.00322**	**.36659**	**.01140**
Stddev	.2456	.00149	.00080	.00099	.00228	.00105
%RSD	4.8484	63.165	24.274	30.885	.62172	9.1726
#1	5.2090	-.00125	.00352	.00213	.36898	.01063
#2	5.2060	-.00177	.00241	.00346	.36637	.01097
#3	4.7821	-.00404	.00397	.00407	.36443	.01259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00191**	**.00628**	**.09820**	**.01018**
Stddev	.00697	.00019	.00032	.00496	.00059
%RSD	277.25	9.9517	5.0861	5.0559	5.7617
#1	-.00457	.00176	.00635	.09277	.00996
#2	.00276	.00212	.00655	.09934	.00973
#3	.00935	.00184	.00593	.10250	.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2249.4**	**3693.4**	**55288.**	**4706.2**
Stddev	91.5	153.8	163.	33.4
%RSD	4.0685	4.1645	.29486	.70958
#1	2195.3	3606.0	55159.	4668.3
#2	2197.8	3603.2	55471.	4731.3
#3	2355.0	3871.0	55234.	4719.0

Sample Name: 180-130364-A-3-A Acquired: 11/26/2021 11:30:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00510**	**39.024**	**.02057**	**.10448**	**.51594**	**.01541**
Stddev	.00036	.453	.00118	.00186	.00466	.00027
%RSD	7.0491	1.1609	5.7364	1.7788	.90319	1.7437
#1	.00543	39.544	.02165	.10318	.52126	.01562
#2	.00515	38.711	.02074	.10365	.51399	.01551
#3	.00471	38.817	.01931	.10661	.51257	.01511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.961**	**.00026**	**.04695**	**.38677**	**1.7551**	**14.391**
Stddev	.556	.00006	.00087	.00174	.0032	.156
%RSD	1.2091	22.034	1.8577	.44930	.18387	1.0842
#1	46.601	.00021	.04702	.38877	1.7571	14.568
#2	45.598	.00025	.04605	.38587	1.7514	14.272
#3	45.684	.00032	.04779	.38566	1.7568	14.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7754**	**.03258**	**4.8940**	**2.4506**	**.04939**	**17.866**
Stddev	.1129	.00043	.0177	.0076	.00092	.155
%RSD	1.4523	1.3329	.36190	.31231	1.8714	.86916
#1	7.9017	.03276	4.9134	2.4418	.05000	18.043
#2	7.6844	.03290	4.8786	2.4545	.04832	17.802
#3	7.7400	.03209	4.8900	2.4555	.04984	17.753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-3-A Acquired: 11/26/2021 11:30:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31002**	**.00644**	**.01002**	**.01513**	**11.635**	**.03404**
Stddev	.00484	.00075	.00242	.00202	.078	.00022
%RSD	1.5605	11.589	24.131	13.370	.67044	.63254
#1	.30980	.00561	.01057	.01402	11.712	.03390
#2	.30529	.00704	.00737	.01746	11.637	.03392
#3	.31496	.00668	.01211	.01390	11.556	.03428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.1875**	**1.5890**	**-.00252**	**.11213**	**.17875**
Stddev	.0046	.0101	.00114	.00230	.00253
%RSD	.38588	.63627	45.467	2.0548	1.4146
#1	1.1873	1.5775	-.00195	.10976	.17861
#2	1.1922	1.5967	-.00383	.11437	.17630
#3	1.1830	1.5927	-.00177	.11225	.18135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.2**	**3769.3**	**57551.**	**5055.7**
Stddev	20.7	38.5	70.	48.2
%RSD	.99929	1.0211	.12138	.95252
#1	2069.4	3759.9	57523.	5001.6
#2	2091.2	3811.7	57631.	5094.1
#3	2049.9	3736.5	57500.	5071.3

Sample Name: 180-130364-A-4-A Acquired: 11/26/2021 11:34:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**5.3599**	**.01870**	**.24327**	**1.2050**	**.00969**
Stddev	.00010	.0270	.00115	.00220	.0046	.00004
%RSD	18.137	.50441	6.1556	.90385	.38111	.44325
#1	-.00059	5.3846	.01780	.24580	1.2091	.00974
#2	-.00062	5.3639	.02000	.24215	1.2001	.00965
#3	-.00043	5.3310	.01831	.24185	1.2059	.00969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.711**	**.00063**	**.03269**	**.02907**	**.49874**	**12.557**
Stddev	.230	.00009	.00046	.00032	.00074	.062
%RSD	.28190	14.742	1.4221	1.0944	.14798	.49494
#1	81.859	.00074	.03279	.02931	.49958	12.629
#2	81.445	.00057	.03219	.02871	.49821	12.523
#3	81.828	.00058	.03310	.02918	.49842	12.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56995**	**.00837**	**5.1209**	**.31665**	**.01849**	**.74007**
Stddev	.01188	.00165	.0558	.00024	.00003	.00905
%RSD	2.0851	19.692	1.0892	.07445	.17023	1.2228
#1	.58242	.00817	5.1769	.31684	.01852	.74890
#2	.55876	.01011	5.0653	.31638	.01850	.73082
#3	.56865	.00683	5.1204	.31673	.01846	.74049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-4-A Acquired: 11/26/2021 11:34:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06595**	**.00608**	**-.00018**	**.00914**	**2.0325**	**.03089**
Stddev	.00029	.00071	.00167	.00343	.0257	.00049
%RSD	.44043	11.701	944.32	37.531	1.2667	1.5916
#1	.06562	.00540	-.00210	.00543	2.0618	.03053
#2	.06617	.00682	.00091	.01220	2.0223	.03068
#3	.06607	.00603	.00066	.00978	2.0134	.03145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.65957**	**1.4357**	**.00005**	**.09416**	**.10743**
Stddev	.01185	.0017	.00102	.00292	.00016
%RSD	1.7961	.11785	2113.0	3.0986	.14615
#1	.67306	1.4370	.00030	.09730	.10726
#2	.65480	1.4338	.00092	.09364	.10747
#3	.65085	1.4363	-.00108	.09153	.10756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2120.5**	**3831.3**	**59446.**	**5089.1**
Stddev	6.3	5.5	201.	22.5
%RSD	.29916	.14255	.33759	.44234
#1	2116.4	3826.0	59589.	5063.1
#2	2127.9	3836.9	59217.	5101.7
#3	2117.3	3831.1	59533.	5102.5

Sample Name: 180-130364-A-5-A Acquired: 11/26/2021 11:39:07 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**4.8205**	**.01567**	**.19691**	**1.0602**	**.00832**
Stddev	.00024	.5418	.00181	.00077	.1220	.00099
%RSD	127.37	11.240	11.523	.39346	11.510	11.904
#1	-.00008	4.4837	.01465	.19617	.98744	.00769
#2	-.00047	4.5323	.01460	.19771	.99201	.00780
#3	-.00003	5.4455	.01775	.19685	1.2010	.00946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**72.778**	**.00048**	**.02661**	**.02621**	**.32131**	**11.090**
Stddev	8.219	.00013	.00003	.00064	.00293	1.216
%RSD	11.293	26.840	.11704	2.4515	.91213	10.964
#1	67.862	.00036	.02660	.02695	.32463	10.383
#2	68.205	.00045	.02665	.02592	.32020	10.393
#3	82.266	.00061	.02659	.02576	.31909	12.494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49928**	**.00804**	**4.6035**	**.22103**	**.01519**	**.59106**
Stddev	.11196	.00171	.5172	.00171	.00022	.11755
%RSD	22.424	21.229	11.236	.77440	1.4163	19.888
#1	.42202	.00639	4.3564	.22286	.01539	.51309
#2	.44814	.00793	4.2562	.22075	.01520	.53383
#3	.62767	.00979	5.1980	.21947	.01496	.72627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-5-A Acquired: 11/26/2021 11:39:07 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05661**	**.00863**	**.00032**	**.00807**	**1.8548**	**.03148**
Stddev	.00014	.00046	.00170	.00104	.2335	.00018
%RSD	.24369	5.3321	535.78	12.873	12.591	.56872
#1	.05646	.00822	.00214	.00921	1.7269	.03128
#2	.05674	.00854	.00003	.00717	1.7132	.03161
#3	.05663	.00913	-.00122	.00783	2.1244	.03156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.59114**	**1.2122**	**-.00149**	**.08131**	**.12406**
Stddev	.07771	.0075	.00025	.00512	.00053
%RSD	13.145	.61458	17.126	6.3022	.43026
#1	.53931	1.2203	-.00120	.07685	.12444
#2	.55362	1.2107	-.00158	.08019	.12345
#3	.68048	1.2057	-.00169	.08691	.12430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2107.6**	**3747.2**	**57662.**	**4787.7**
Stddev	2.3	3.7	453.	417.6
%RSD	.11136	.09967	.78560	8.7215
#1	2107.1	3744.4	57193.	5035.6
#2	2105.5	3751.5	57695.	5021.9
#3	2110.1	3745.8	58097.	4305.6

Sample Name: 180-130364-A-6-A Acquired: 11/26/2021 11:43:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**3.5838**	**.00223**	**.01781**	**.04757**	**.00261**
Stddev	.00019	.0349	.00106	.00047	.00021	.00008
%RSD	1408.0	.97366	47.420	2.6631	.45035	3.0529
#1	-.00013	3.5505	.00140	.01811	.04780	.00268
#2	.00023	3.6201	.00188	.01807	.04738	.00263
#3	-.00006	3.5807	.00342	.01727	.04754	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.286**	**.00019**	**.05876**	**.20750**	**.94071**	**1.2894**
Stddev	.051	.00004	.00010	.00169	.00124	.0071
%RSD	.41284	23.091	.16817	.81329	.13228	.54874
#1	12.345	.00014	.05884	.20675	.94059	1.2942
#2	12.262	.00023	.05865	.20632	.94201	1.2813
#3	12.253	.00020	.05879	.20944	.93953	1.2928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9837**	**.00083**	**1.6243**	**.05818**	**.03478**	**8.5360**
Stddev	.0314	.00009	.0346	.00012	.00031	.0668
%RSD	1.0524	10.747	2.1291	.20176	.89601	.78245
#1	3.0185	.00074	1.5906	.05805	.03509	8.5806
#2	2.9576	.00091	1.6227	.05826	.03447	8.4592
#3	2.9750	.00083	1.6597	.05824	.03478	8.5681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-6-A Acquired: 11/26/2021 11:43:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11289**	**.01023**	**.00177**	**.00968**	**.79727**	**.03087**
Stddev	.00020	.00176	.00105	.00283	.01390	.00051
%RSD	.17991	17.176	59.332	29.201	1.7429	1.6478
#1	.11313	.00983	.00162	.01135	.79678	.03146
#2	.11281	.01215	.00080	.00641	.78363	.03057
#3	.11275	.00871	.00288	.01126	.81141	.03059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.08501**	**.95055**	**-.00258**	**.04117**	**.13949**
Stddev	.00750	.00135	.00114	.00373	.00040
%RSD	8.8195	.14204	44.029	9.0645	.28428
#1	.07861	.95165	-.00159	.03751	.13994
#2	.08316	.95096	-.00233	.04103	.13928
#3	.09326	.94904	-.00382	.04497	.13924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2205.7**	**3674.4**	**56823.**	**4879.5**
Stddev	2.6	13.7	144.	29.9
%RSD	.11820	.37344	.25320	.61225
#1	2204.4	3659.7	56941.	4849.5
#2	2204.1	3676.5	56663.	4909.2
#3	2208.8	3686.8	56866.	4879.7

Sample Name: 180-130364-A-7-A Acquired: 11/26/2021 11:48:16 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**3.3344**	**.00349**	**.01775**	**.05306**	**.00236**
Stddev	.00046	.0214	.00094	.00097	.00024	.00009
%RSD	230.62	.64073	26.851	5.4905	.45771	3.6737
#1	.00026	3.3145	.00375	.01852	.05323	.00228
#2	.00062	3.3570	.00427	.01665	.05278	.00235
#3	-.00028	3.3316	.00245	.01807	.05316	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.925**	**.00017**	**.05991**	**.19681**	**.89719**	**1.2774**
Stddev	.014	.00003	.00259	.00074	.00365	.0127
%RSD	.10483	19.367	4.3231	.37848	.40689	.99500
#1	12.913	.00021	.06196	.19647	.90135	1.2694
#2	12.923	.00016	.05700	.19629	.89452	1.2921
#3	12.940	.00015	.06076	.19766	.89570	1.2708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2423**	**.00186**	**1.5717**	**.05826**	**.03340**	**9.7773**
Stddev	.0571	.00121	.0235	.00010	.00151	.0762
%RSD	1.7623	64.725	1.4929	.17876	4.5080	.77945
#1	3.2057	.00051	1.5775	.05817	.03447	9.7613
#2	3.3082	.00227	1.5459	.05837	.03168	9.8603
#3	3.2131	.00281	1.5917	.05823	.03405	9.7104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-7-A Acquired: 11/26/2021 11:48:16 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11456**	**.00800**	**.00446**	**.00778**	**.75664**	**.02870**
Stddev	.00524	.00040	.00159	.00185	.00745	.00167
%RSD	4.5765	5.0339	35.580	23.812	.98417	5.8226
#1	.11846	.00768	.00553	.00991	.76010	.03009
#2	.10860	.00788	.00264	.00662	.74809	.02685
#3	.11662	.00846	.00522	.00680	.76172	.02916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.09008**	**.91839**	**-.00278**	**.03773**	**.11887**
Stddev	.00443	.00139	.00085	.00457	.00484
%RSD	4.9210	.15178	30.603	12.111	4.0751
#1	.09443	.91967	-.00280	.04017	.12245
#2	.08557	.91860	-.00191	.04058	.11336
#3	.09024	.91691	-.00361	.03246	.12080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2185.3**	**3645.3**	**56965.**	**4871.8**
Stddev	80.9	128.5	94.	3.5
%RSD	3.7037	3.5250	.16508	.07154
#1	2129.8	3552.9	56890.	4875.9
#2	2278.2	3792.0	56934.	4870.0
#3	2147.9	3591.0	57070.	4869.7

Sample Name: 180-130364-A-8-A Acquired: 11/26/2021 11:52:52 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03082**	**30.560**	**.01857**	**.55950**	**.58476**	**.01361**
Stddev	.00020	.164	.00268	.01766	.00051	.00009
%RSD	.65480	.53507	14.416	3.1570	.08730	.65788
#1	.03105	30.646	.01667	.54002	.58419	.01371
#2	.03072	30.662	.02163	.56400	.58491	.01355
#3	.03069	30.371	.01741	.57447	.58518	.01356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.381**	**.01067**	**.03963**	**.07779**	**.42890**	**16.639**
Stddev	.070	.00036	.00110	.00061	.00117	.116
%RSD	.26438	3.3719	2.7822	.78722	.27278	.69868
#1	26.445	.01030	.03839	.07814	.42864	16.648
#2	26.391	.01070	.04004	.07708	.42788	16.751
#3	26.307	.01101	.04048	.07814	.43018	16.519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9131**	**.02577**	**2.4935**	**.69306**	**.02340**	**7.7855**
Stddev	.0337	.00125	.0072	.00160	.00065	.0362
%RSD	.56964	4.8613	.28742	.23128	2.7960	.46451
#1	5.8847	.02703	2.4920	.69447	.02264	7.7594
#2	5.9503	.02452	2.5013	.69132	.02383	7.8268
#3	5.9044	.02575	2.4872	.69340	.02371	7.7703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-8-A Acquired: 11/26/2021 11:52:52 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24911**	**.00774**	**.00200**	**.01189**	**6.2141**	**.03395**
Stddev	.00714	.00075	.00189	.00146	.0621	.00043
%RSD	2.8643	9.6717	94.353	12.256	.99980	1.2654
#1	.24132	.00688	.00122	.01240	6.1778	.03443
#2	.25068	.00809	.00062	.01025	6.2858	.03379
#3	.25533	.00826	.00415	.01303	6.1786	.03362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35005**	**1.1927**	**-.00229**	**.13543**	**.67611**
Stddev	.01962	.0018	.00149	.00503	.01852
%RSD	5.6058	.15080	65.209	3.7146	2.7391
#1	.34790	1.1913	-.00318	.13613	.65579
#2	.37065	1.1920	-.00057	.13009	.68050
#3	.33159	1.1947	-.00312	.14007	.69204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.9**	**3808.7**	**58352.**	**5066.9**
Stddev	49.5	88.2	248.	18.0
%RSD	2.3013	2.3168	.42536	.35579
#1	2204.5	3907.6	58301.	5064.6
#2	2132.7	3780.4	58622.	5050.1
#3	2109.6	3738.1	58134.	5086.0

Sample Name: 180-130364-A-9-A Acquired: 11/26/2021 11:57:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03238**	**32.556**	**.01930**	**.58034**	**.61205**	**.01403**
Stddev	.00010	.202	.00295	.00274	.00130	.00011
%RSD	.29372	.62139	15.287	.47170	.21231	.76710
#1	.03227	32.583	.02016	.57720	.61172	.01413
#2	.03242	32.744	.01601	.58156	.61348	.01392
#3	.03244	32.342	.02172	.58225	.61095	.01404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.579**	**.01153**	**.04213**	**.08190**	**.40049**	**17.991**
Stddev	.096	.00007	.00022	.00131	.00287	.007
%RSD	.34672	.56479	.51393	1.5978	.71762	.03767
#1	27.532	.01151	.04214	.08160	.40045	17.997
#2	27.689	.01161	.04190	.08077	.39764	17.992
#3	27.515	.01148	.04234	.08333	.40339	17.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2027**	**.02634**	**2.6751**	**.70481**	**.02380**	**8.3197**
Stddev	.0277	.00051	.0270	.00229	.00004	.0156
%RSD	.44617	1.9361	1.0093	.32556	.16064	.18694
#1	6.2336	.02683	2.6569	.70552	.02376	8.3194
#2	6.1801	.02581	2.7061	.70224	.02381	8.3042
#3	6.1943	.02639	2.6623	.70666	.02384	8.3353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130364-A-9-A Acquired: 11/26/2021 11:57:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26011**	**.00845**	**.00175**	**.01054**	**5.9491**	**.03332**
Stddev	.00084	.00104	.00146	.00080	.0183	.00099
%RSD	.32194	12.327	83.553	7.5626	.30780	2.9707
#1	.25993	.00942	.00026	.01013	5.9422	.03441
#2	.25938	.00858	.00180	.01146	5.9699	.03306
#3	.26103	.00735	.00319	.01004	5.9353	.03248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35098**	**1.2779**	**-.00238**	**.14019**	**.63926**
Stddev	.00170	.0007	.00164	.00247	.00269
%RSD	.48404	.05828	69.033	1.7632	.42078
#1	.35285	1.2778	-.00086	.13737	.64163
#2	.35056	1.2787	-.00413	.14120	.63634
#3	.34954	1.2772	-.00215	.14200	.63983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2137.1**	**3791.1**	**58347.**	**5045.1**
Stddev	3.0	9.6	264.	10.4
%RSD	.13985	.25225	.45247	.20683
#1	2135.0	3782.6	58328.	5051.6
#2	2140.5	3801.5	58620.	5033.1
#3	2135.7	3789.3	58093.	5050.6

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:01:55 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0054**	**23.366**	**.49244**	**2.0051**	**1.8884**	**1.8911**
Stddev	.0174	.624	.00152	.0057	.0575	.0695
%RSD	1.7334	2.6725	.30911	.28367	3.0428	3.6765
#1	.98800	22.668	.49319	2.0013	1.8243	1.8126
#2	1.0229	23.559	.49069	2.0024	1.9059	1.9159
#3	1.0053	23.871	.49344	2.0116	1.9351	1.9448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.335**	**.49293**	**1.9870**	**1.9343**	**1.9735**	**23.339**
Stddev	1.342	.00244	.0041	.0336	.0401	.878
%RSD	2.8360	.49556	.20503	1.7370	2.0334	3.7634
#1	45.846	.49036	1.9908	1.9047	1.9370	22.350
#2	47.704	.49320	1.9827	1.9708	2.0165	23.636
#3	48.453	.49522	1.9875	1.9273	1.9671	24.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**114.60**	**1.9338**	**46.381**	**1.9218**	**1.8941**	**118.38**
Stddev	4.45	.0523	1.876	.0349	.0131	4.62
%RSD	3.8792	2.7047	4.0447	1.8168	.69305	3.9034
#1	109.56	1.8758	44.307	1.8871	1.8816	113.22
#2	116.28	1.9484	46.876	1.9569	1.8929	119.77
#3	117.96	1.9773	47.960	1.9215	1.9077	122.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:01:55 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0020**	**.48448**	**.48742**	**.50134**	**1.8990**	**1.8238**
Stddev	.0055	.00090	.00049	.00585	.0684	.0105
%RSD	.27664	.18482	.10085	1.1661	3.6003	.57543
#1	2.0052	.48514	.48786	.49598	1.8291	1.8155
#2	1.9956	.48346	.48750	.50046	1.9023	1.8202
#3	2.0052	.48483	.48689	.50758	1.9657	1.8356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8917**	**1.9565**	**.94365**	**1.8724**	**1.8995**
Stddev	.0631	.0352	.00280	.0601	.0088
%RSD	3.3376	1.7980	.29711	3.2107	.46359
#1	1.8203	1.9192	.94161	1.8035	1.8945
#2	1.9148	1.9891	.94249	1.8998	1.8943
#3	1.9400	1.9611	.94684	1.9139	1.9097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.1**	**3511.8**	**52907.**	**4785.3**
Stddev	5.7	10.2	711.	138.2
%RSD	.29471	.28902	1.3447	2.8878
#1	1926.8	3517.6	53628.	4934.9
#2	1938.0	3517.8	52205.	4758.5
#3	1934.4	3500.1	52888.	4662.4

Sample Name: CCB5 Acquired: 11/26/2021 12:06:17 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00476**	**-.00013**	**.00153**	**.00019**	**.00008**
Stddev	.00019	.02339	.00044	.00027	.00012	.00004
%RSD	122.94	491.20	345.12	17.763	61.987	51.448
#1	-.00022	-.01207	-.00059	.00154	.00008	.00004
#2	-.00030	-.00512	.00027	.00126	.00017	.00013
#3	.00006	.03147	-.00005	.00180	.00032	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00908**	**.00000**	**.00007**	**.00037**	**.00090**	**-.00673**
Stddev	.00348	.00008	.00011	.00037	.00060	.00119
%RSD	38.320	1555.7	170.49	100.13	67.042	17.636
#1	-.00722	.00005	.00020	-.00004	.00025	-.00793
#2	-.00693	.00005	.00000	.00048	.00144	-.00670
#3	-.01310	-.00008	-.00000	.00067	.00101	-.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07471**	**-.00294**	**.04026**	**.00005**	**.00712**	**-.26547**
Stddev	.02201	.00100	.01513	.00002	.00086	.00862
%RSD	29.464	33.862	37.587	48.828	12.055	3.2463
#1	-.09851	-.00189	.04805	.00005	.00804	-.25727
#2	-.05509	-.00386	.02282	.00007	.00697	-.27445
#3	-.07052	-.00307	.04991	.00002	.00635	-.26469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 11/26/2021 12:06:17 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00105**	**.00031**	**.00340**	**.00465**	**-.00123**
Stddev	.00011	.00098	.00201	.00333	.00368	.00019
%RSD	47.810	93.561	644.87	97.851	79.279	15.630
#1	-.00010	.00078	-.00195	.00723	.00588	-.00140
#2	-.00027	.00023	.00186	.00120	.00756	-.00127
#3	-.00030	.00213	.00102	.00177	.00050	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00054**	**-.00090**	**.00166**	**.00211**
Stddev	.00590	.00007	.00104	.00821	.00028
%RSD	419.03	12.264	115.32	495.33	13.052
#1	.00054	.00053	-.00209	-.00382	.00212
#2	-.00401	.00061	-.00015	-.00230	.00183
#3	.00769	.00048	-.00047	.01110	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2293.0**	**3708.3**	**57502.**	**4831.9**
Stddev	3.8	6.2	101.	11.5
%RSD	.16668	.16772	.17637	.23835
#1	2295.7	3713.4	57559.	4827.0
#2	2294.8	3710.0	57385.	4823.6
#3	2288.7	3701.4	57563.	4845.0

Sample Name: MB 180-380054/1-A Acquired: 11/26/2021 12:10:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00933**	**-.00123**	**.00065**	**-.00007**	**.00008**
Stddev	.00012	.00667	.00236	.00030	.00015	.00012
%RSD	90436.	71.424	191.89	45.352	220.12	140.36
#1	.00014	-.00199	-.00170	.00091	.00004	.00000
#2	-.00007	-.01102	-.00331	.00033	-.00025	.00003
#3	-.00007	-.01499	.00133	.00072	.00000	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00010**	**.00021**	**-.00020**	**.00109**	**-.00507**
Stddev	.00479	.00013	.00022	.00031	.00039	.00226
%RSD	208.53	137.43	103.84	151.15	35.751	44.683
#1	.00163	-.00004	-.00002	-.00039	.00069	-.00322
#2	-.00213	-.00000	.00023	-.00037	.00112	-.00760
#3	.00739	-.00025	.00042	.00015	.00146	-.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08923**	**-.00204**	**.04523**	**.00003**	**.00242**	**-.27059**
Stddev	.00859	.00029	.01456	.00002	.00004	.00848
%RSD	9.6297	13.990	32.196	87.902	1.8190	3.1336
#1	-.09915	-.00218	.06176	.00001	.00240	-.26344
#2	-.08447	-.00223	.03433	.00002	.00247	-.26838
#3	-.08408	-.00171	.03959	.00005	.00239	-.27996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-380054/1-A Acquired: 11/26/2021 12:10:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00044**	**-.00091**	**.00266**	**.00838**	**-.00090**
Stddev	.00024	.00166	.00232	.00063	.00650	.00048
%RSD	55.066	376.04	253.99	23.649	77.610	53.187
#1	-.00069	-.00043	-.00344	.00302	.01152	-.00106
#2	-.00041	-.00060	.00113	.00193	.00090	-.00128
#3	-.00021	.00235	-.00043	.00302	.01271	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00017**	**-.00048**	**-.00032**	**.00309**
Stddev	.00463	.00007	.00116	.00072	.00004
%RSD	65361.	43.381	244.08	222.88	1.1568
#1	.00202	.00023	.00006	.00004	.00313
#2	.00326	.00018	-.00181	.00014	.00308
#3	-.00530	.00009	.00032	-.00115	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2268.5**	**3693.1**	**57225.**	**4835.2**
Stddev	31.6	51.6	23.	14.8
%RSD	1.3933	1.3978	.03958	.30590
#1	2289.1	3727.8	57209.	4828.5
#2	2284.3	3717.7	57214.	4825.0
#3	2232.1	3633.8	57251.	4852.2

Sample Name: LCS 180-380054/2-A Acquired: 11/26/2021 12:15:39 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24846**	**4.8658**	**1.0232**	**1.3003**	**.97608**	**.49192**
Stddev	.00038	.0785	.0076	.0101	.00494	.00269
%RSD	.15341	1.6123	.74523	.78053	.50618	.54779
#1	.24888	4.9250	1.0319	1.3120	.98006	.49471
#2	.24838	4.8957	1.0201	1.2942	.97763	.49172
#3	.24813	4.7768	1.0176	1.2947	.97055	.48933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.267**	**.50165**	**.49225**	**.48523**	**.49625**	**4.7835**
Stddev	.147	.00365	.00363	.00169	.00283	.0367
%RSD	.60663	.72693	.73790	.34844	.56953	.76835
#1	24.430	.50583	.49640	.48707	.49935	4.8247
#2	24.229	.49999	.49070	.48485	.49559	4.7718
#3	24.143	.49913	.48965	.48375	.49381	4.7540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.133**	**.50032**	**23.757**	**.48207**	**.47174**	**23.775**
Stddev	.176	.00289	.255	.00143	.00299	.184
%RSD	.76071	.57780	1.0717	.29597	.63408	.77390
#1	23.306	.50160	24.040	.48357	.47513	23.964
#2	23.138	.50234	23.683	.48191	.47059	23.762
#3	22.955	.49701	23.547	.48073	.46949	23.597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-380054/2-A Acquired: 11/26/2021 12:15:39 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48946**	**.47613**	**.23097**	**1.0363**	**1.0145**	**.93616**
Stddev	.00203	.00573	.00081	.0046	.0137	.00913
%RSD	.41465	1.2042	.35166	.44848	1.3526	.97575
#1	.49179	.48275	.23168	1.0414	1.0265	.94644
#2	.48805	.47259	.23113	1.0350	1.0175	.93307
#3	.48856	.47306	.23008	1.0324	.99956	.92898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48628**	**.49065**	**.97461**	**.48660**	**.24504**
Stddev	.00698	.00148	.00434	.00617	.00261
%RSD	1.4353	.30114	.44536	1.2680	1.0643
#1	.49069	.49127	.97932	.48653	.24792
#2	.47824	.49171	.97375	.49280	.24436
#3	.48993	.48896	.97077	.48046	.24283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2104.2**	**3619.4**	**55718.**	**4799.0**
Stddev	10.5	18.8	142.	36.2
%RSD	.49725	.51973	.25522	.75444
#1	2092.1	3597.7	55554.	4760.7
#2	2110.4	3630.7	55809.	4803.5
#3	2110.2	3629.9	55790.	4832.7

Sample Name: 180-130363-L-1-A Acquired: 11/26/2021 12:20:01 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.05365**	**.00295**	**.02188**	**.13812**	**-.00004**
Stddev	.00008	.02286	.00257	.00048	.00102	.00007
%RSD	35.950	42.597	87.026	2.2036	.73827	210.38
#1	.00023	.03528	.00418	.02162	.13902	-.00003
#2	.00030	.04644	-.00000	.02243	.13833	-.00011
#3	.00014	.07925	.00468	.02157	.13701	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**72.661**	**-.00002**	**.00021**	**.00022**	**.00008**	**.04511**
Stddev	.231	.00010	.00019	.00016	.00059	.00311
%RSD	.31853	442.27	89.252	72.698	691.66	6.9006
#1	72.892	-.00011	.00002	.00031	.00032	.04318
#2	72.662	.00009	.00040	.00004	-.00058	.04870
#3	72.429	-.00006	.00022	.00032	.00052	.04345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7364**	**.01104**	**15.270**	**.00122**	**.00494**	**8.2482**
Stddev	.0462	.00107	.092	.00004	.00061	.0346
%RSD	2.6591	9.6813	.60114	3.1775	12.345	.41911
#1	1.7484	.00985	15.339	.00122	.00519	8.2365
#2	1.7754	.01133	15.305	.00126	.00538	8.2871
#3	1.6854	.01192	15.166	.00118	.00424	8.2209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130363-L-1-A Acquired: 11/26/2021 12:20:01 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00013**	**-.00003**	**.00145**	**5.4225**	**-.00127**
Stddev	.00027	.00120	.00119	.00027	.0152	.00053
%RSD	135.75	941.45	3832.0	18.612	.28034	41.351
#1	-.00022	.00127	-.00083	.00119	5.4400	-.00115
#2	.00008	-.00112	.00133	.00142	5.4131	-.00082
#3	-.00045	.00023	-.00060	.00173	5.4144	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41696**	**.00056**	**.00066**	**.00057**	**.00189**
Stddev	.01218	.00004	.00038	.00242	.00003
%RSD	2.9205	7.6122	57.942	427.89	1.7657
#1	.40854	.00052	.00085	.00217	.00193
#2	.43092	.00054	.00022	-.00222	.00189
#3	.41140	.00061	.00090	.00175	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.8**	**3566.5**	**54884.**	**4791.2**
Stddev	10.5	17.5	601.	14.1
%RSD	.49696	.49168	1.0954	.29510
#1	2119.9	3574.0	55569.	4785.6
#2	2106.4	3546.5	54642.	4807.3
#3	2127.2	3579.1	54442.	4780.7

Sample Name: 180-130363-L-2-A Acquired: 11/26/2021 12:24:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.04985**	**.00279**	**.02249**	**.14227**	**.00015**
Stddev	.00026	.01581	.00219	.00017	.00078	.00007
%RSD	72.554	31.718	78.541	.75505	.54944	44.517
#1	-.00019	.06049	.00404	.02230	.14158	.00020
#2	-.00065	.03168	.00408	.02261	.14312	.00007
#3	-.00022	.05739	.00026	.02257	.14212	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.272**	**-.00004**	**.00004**	**.00039**	**-.00013**	**.03010**
Stddev	.145	.00006	.00015	.00008	.00057	.00378
%RSD	.19002	165.79	417.08	19.507	450.06	12.556
#1	76.158	-.00010	.00015	.00045	-.00049	.02583
#2	76.435	-.00005	-.00013	.00041	-.00042	.03144
#3	76.223	.00003	.00009	.00030	.00053	.03302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7743**	**.01029**	**15.936**	**.00166**	**.00297**	**8.7906**
Stddev	.0287	.00038	.053	.00003	.00028	.0706
%RSD	1.6180	3.6739	.33347	1.7101	9.5467	.80270
#1	1.7424	.00989	15.975	.00164	.00330	8.7245
#2	1.7824	.01064	15.958	.00164	.00278	8.8649
#3	1.7981	.01033	15.876	.00169	.00283	8.7824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130363-L-2-A Acquired: 11/26/2021 12:24:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00161**	**-.00048**	**.00340**	**5.6600**	**-.00130**
Stddev	.00035	.00083	.00147	.00079	.0491	.00032
%RSD	282.83	51.558	306.69	23.263	.86682	24.751
#1	-.00035	.00255	.00066	.00431	5.6082	-.00129
#2	.00028	.00097	-.00214	.00300	5.7058	-.00163
#3	-.00031	.00132	.00004	.00288	5.6659	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.44983**	**.00080**	**.00103**	**.00316**	**.00187**
Stddev	.00418	.00023	.00109	.00256	.00002
%RSD	.93027	28.989	105.82	81.009	.92427
#1	.44617	.00083	.00160	.00024	.00189
#2	.45439	.00055	-.00023	.00421	.00187
#3	.44894	.00100	.00172	.00503	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2090.1**	**3523.5**	**54390.**	**4803.0**
Stddev	2.7	9.9	64.	13.4
%RSD	.12706	.28090	.11680	.27898
#1	2091.7	3533.8	54419.	4809.6
#2	2091.6	3522.5	54318.	4787.6
#3	2087.1	3514.1	54435.	4811.9

Sample Name: 180-130261-K-1-A Acquired: 11/26/2021 12:29:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	F **365.23**	F **3.4089**	**1.4467**	**.00154**	**.00753**
Stddev	.00018	3.51	.0067	.0034	.00015	.00045
%RSD	6.3783	.96121	.19812	.23338	9.8581	5.9461
#1	.00271	361.84	3.4164	1.4505	.00150	.00791
#2	.00270	368.85	3.4034	1.4453	.00141	.00766
#3	.00302	364.99	3.4069	1.4441	.00171	.00704
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.00	1.0000			
Low Limit		-.20000	-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91954**	**-.00026**	**.00495**	**2.8678**	**.18904**	**.16054**
Stddev	.00962	.00007	.00027	.0227	.00241	.00271
%RSD	1.0465	26.376	5.4399	.79245	1.2773	1.6902
#1	.90844	-.00019	.00525	2.8750	.19052	.16294
#2	.92556	-.00027	.00484	2.8861	.19036	.16109
#3	.92462	-.00033	.00475	2.8424	.18626	.15760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.40**	**.06281**	**.02792**	**.00554**	**2.1914**	^ *****
Stddev	1.00	.00188	.01646	.00011	.0024	-----
%RSD	.72257	2.9921	58.933	2.0416	.10760	-----
#1	137.37	.06093	.04662	.00546	2.1940	^ -----
#2	139.37	.06282	.01565	.00549	2.1894	^ -----
#3	138.45	.06469	.02149	.00567	2.1907	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130261-K-1-A Acquired: 11/26/2021 12:29:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06390**	F **-.02226**	**.00061**	**.20609**	**7.4934**	**.00665**
Stddev	.00052	.00329	.00467	.00591	.0927	.00028
%RSD	.81504	14.763	765.40	2.8680	1.2377	4.1872
#1	.06348	-.02197	.00601	.20540	7.3864	.00655
#2	.06374	-.02568	-.00201	.21232	7.5497	.00644
#3	.06448	-.01913	-.00217	.20056	7.5442	.00697
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.01826**	F **-.10979**	F **44.415**	**.04455**
Stddev	.00655	.00024	.01021	.423	.00056
%RSD	531.70	1.3047	9.2997	.95287	1.2641
#1	-.00253	.01851	-.12156	44.028	.04392
#2	.00587	.01824	-.10448	44.867	.04470
#3	-.00704	.01803	-.10333	44.348	.04502
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1373.9**	**3133.0**	**44327.**	**4505.9**
Stddev	.9	2.2	187.	45.8
%RSD	.06226	.07179	.42158	1.0170
#1	1372.9	3132.9	44237.	4555.0
#2	1374.6	3135.3	44203.	4464.3
#3	1374.1	3130.8	44542.	4498.3

Sample Name: 180-130261-K-2-A Acquired: 11/26/2021 12:33:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	F **423.88**	F **2.4077**	**1.0944**	**.00120**	**.00682**
Stddev	.00070	1.87	.0174	.0069	.00024	.00036
%RSD	33.035	.44193	.72330	.62635	19.772	5.2890
#1	.00149	423.06	2.4277	1.1023	.00112	.00697
#2	.00288	426.02	2.3959	1.0905	.00147	.00641
#3	.00201	422.55	2.3995	1.0904	.00102	.00708
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.00	1.0000			
Low Limit		-.20000	-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1525**	**.00121**	**.00487**	**4.0961**	**.28672**	**.20169**
Stddev	.0082	.00009	.00039	.0181	.00015	.00196
%RSD	.71482	7.6055	7.9888	.44235	.05289	.97191
#1	1.1463	.00131	.00523	4.0812	.28655	.20216
#2	1.1618	.00116	.00446	4.0909	.28684	.19954
#3	1.1493	.00115	.00490	4.1163	.28676	.20338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.05**	**.06059**	**.04784**	**.00724**	**1.4263**	F **3699.5**
Stddev	.65	.00122	.01605	.00004	.0091	41.8
%RSD	.51723	2.0071	33.553	.55518	.64007	1.1297
#1	125.89	.06067	.04811	.00720	1.4369	3729.9
#2	126.76	.06176	.06376	.00723	1.4213	3716.7
#3	125.49	.05933	.03166	.00728	1.4208	3651.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130261-K-2-A Acquired: 11/26/2021 12:33:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02096**	F **-.02277**	**-.00353**	**.17578**	**4.1304**	**.00805**
Stddev	.00131	.00480	.00460	.00096	.0219	.00044
%RSD	6.2656	21.089	130.11	.54887	.53129	5.4612
#1	.02188	-.02737	.00176	.17631	4.1227	.00846
#2	.02154	-.02314	-.00655	.17635	4.1551	.00811
#3	.01946	-.01779	-.00582	.17466	4.1133	.00758
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.02127**	F **-.10415**	F **43.470**	**.04439**
Stddev	.00521	.00031	.00469	.158	.00036
%RSD	147.83	1.4513	4.5042	.36436	.80951
#1	.00550	.02155	-.10904	43.424	.04473
#2	-.00239	.02094	-.09969	43.646	.04402
#3	.00746	.02130	-.10373	43.340	.04441
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1410.3**	**3182.8**	**45288.**	**4461.7**
Stddev	8.5	18.3	158.	16.2
%RSD	.60423	.57561	.34901	.36413
#1	1400.5	3161.7	45460.	4478.0
#2	1415.9	3194.8	45253.	4445.5
#3	1414.6	3191.8	45150.	4461.5

Sample Name: 180-130261-K-3-A Acquired: 11/26/2021 12:38:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**6.4214**	F **5.7154**	F **5.4074**	**.00071**	**.00164**
Stddev	.00029	.7799	.0398	.0255	.00013	.00025
%RSD	12.915	12.145	.69550	.47137	17.722	15.500
#1	.00247	5.5373	5.7451	5.4085	.00057	.00153
#2	.00228	7.0115	5.7308	5.4323	.00082	.00193
#3	.00191	6.7155	5.6702	5.3814	.00073	.00145
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2316**	**-.00287**	**.01481**	**.07143**	**-.00074**	**.01183**
Stddev	.0935	.00013	.00080	.00617	.00093	.00604
%RSD	7.5929	4.4164	5.4059	8.6345	124.92	51.035
#1	1.1774	-.00299	.01463	.07724	-.00176	.01521
#2	1.3395	-.00274	.01569	.07209	.00006	.01541
#3	1.1778	-.00288	.01411	.06496	-.00054	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **502.64**	**.11092**	**.70404**	**.00217**	F **6.3580**	F **5492.9**
Stddev	41.17	.01016	.05808	.00012	.0155	407.8
%RSD	8.1903	9.1574	8.2498	5.7144	.24306	7.4232
#1	483.97	.10871	.65339	.00223	6.3591	5342.9
#2	549.84	.12200	.76744	.00226	6.3729	5954.4
#3	474.12	.10205	.69131	.00203	6.3420	5181.4
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-3-A Acquired: 11/26/2021 12:38:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00926**	F **-.02429**	F **-.01763**	F **1.3775**	**.69986**	**.11901**
Stddev	.00129	.00293	.00262	.0186	.12093	.00248
%RSD	13.920	12.084	14.836	1.3501	17.279	2.0805
#1	.01073	-.02114	-.01570	1.3964	.76237	.12176
#2	.00836	-.02477	-.02061	1.3770	.77674	.11831
#3	.00867	-.02695	-.01658	1.3592	.56047	.11696
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		10.000	1.0000	1.0000		
Low Limit		-.01000	-.01000	-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01297**	**.17523**	F **-.83271**	F **13.568**	**.03652**
Stddev	.01389	.00218	.03337	.485	.00564
%RSD	107.15	1.2428	4.0069	3.5711	15.438
#1	.02884	.17631	-.81229	13.691	.04183
#2	.00305	.17665	-.87122	13.979	.03712
#3	.00701	.17272	-.81463	13.034	.03060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**835.25**	**2097.8**	**27892.**	**3065.5**
Stddev	32.48	13.9	2082.	243.1
%RSD	3.8886	.66381	7.4627	7.9291
#1	859.87	2097.5	26056.	3177.4
#2	798.44	2084.1	27466.	2786.6
#3	847.44	2111.9	30153.	3232.4

Sample Name: 180-130261-K-4-A Acquired: 11/26/2021 12:43:15 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.04200**	F **1.5969**	F **5.9640**	**.00112**	**.00010**
Stddev	.00032	.03987	.0240	.0873	.00012	.00007
%RSD	9.1906	94.928	1.5034	1.4642	10.526	71.734
#1	.00380	.08802	1.6059	6.0074	.00124	.00002
#2	.00326	.02011	1.6151	6.0211	.00109	.00012
#3	.00325	.01787	1.5697	5.8635	.00101	.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4235**	**-.00017**	**.01444**	**.00293**	**.00450**	**.03063**
Stddev	.0237	.00004	.00070	.00049	.00026	.00154
%RSD	1.6661	24.440	4.8761	16.597	5.7952	5.0328
#1	1.3978	-.00014	.01485	.00280	.00420	.02893
#2	1.4446	-.00022	.01485	.00346	.00465	.03099
#3	1.4281	-.00016	.01363	.00252	.00465	.03195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **455.92**	**.14843**	**5.5577**	**.00789**	F **6.2675**	F **3024.4**
Stddev	3.23	.00255	.0987	.00039	.0872	54.0
%RSD	.70838	1.7173	1.7767	4.8915	1.3915	1.7849
#1	458.04	.15081	5.4936	.00749	6.3013	2963.1
#2	457.52	.14873	5.6714	.00792	6.3328	3064.7
#3	452.20	.14574	5.5081	.00826	6.1685	3045.4
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-4-A Acquired: 11/26/2021 12:43:15 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	F **-.02613**	**.00085**	**.69461**	**2.4218**	**.06214**
Stddev	.00053	.00111	.00341	.01429	.0900	.00279
%RSD	6.5812	4.2354	402.92	2.0578	3.7157	4.4910
#1	.00738	-.02739	.00035	.69195	2.5138	.06123
#2	.00832	-.02533	.00448	.71005	2.4176	.06527
#3	.00826	-.02567	-.00229	.68184	2.3340	.05991
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000				
Low Limit		-.01000				

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03577**	**.26855**	F **-.71556**	**1.1516**	**.00817**
Stddev	.00392	.00553	.01050	.0226	.00085
%RSD	10.958	2.0588	1.4677	1.9627	10.401
#1	.03224	.26375	-.72739	1.1776	.00901
#2	.03508	.26729	-.70732	1.1370	.00817
#3	.03998	.27460	-.71198	1.1401	.00732
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			2.0000		
Low Limit			-.02000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**658.97**	**2768.6**	**41616.**	**4685.5**
Stddev	8.33	39.6	308.	60.2
%RSD	1.2644	1.4314	.74004	1.2837
#1	650.32	2758.1	41314.	4752.6
#2	666.94	2735.3	41930.	4636.5
#3	659.66	2812.5	41603.	4667.3

Sample Name: 180-130261-K-5-A Acquired: 11/26/2021 12:47:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**1.3743**	F **5.5766**	F **6.4903**	**.06047**	**.00078**
Stddev	.00073	.0972	.1950	.1794	.00566	.00009
%RSD	46.197	7.0711	3.4968	2.7636	9.3596	12.097
#1	.00083	1.2622	5.8011	6.6943	.05419	.00068
#2	.00230	1.4325	5.4492	6.3574	.06517	.00079
#3	.00163	1.4284	5.4796	6.4191	.06205	.00087
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			1.0000	4.0000		
Low Limit			-.01000	-.20000		

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5888**	**-.00308**	**.01571**	**.00590**	**-.00438**	**.03775**
Stddev	.0943	.00013	.00115	.00067	.00094	.00419
%RSD	5.9355	4.3189	7.2938	11.373	21.558	11.088
#1	1.5050	-.00309	.01701	.00546	-.00544	.03602
#2	1.6909	-.00294	.01488	.00667	-.00363	.03470
#3	1.5705	-.00321	.01522	.00556	-.00407	.04252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **512.55**	**.08093**	**3.7665**	**.03336**	F **7.6800**	F **4171.3**
Stddev	37.61	.00751	.1525	.00076	.2410	258.0
%RSD	7.3382	9.2795	4.0489	2.2793	3.1381	6.1844
#1	480.24	.07297	3.6261	.03270	7.9569	4044.6
#2	553.84	.08789	3.9288	.03319	7.5179	4468.1
#3	503.58	.08194	3.7445	.03419	7.5652	4001.1
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	250.00				4.0000	250.00
Low Limit	-5.0000				-.04000	-5.0000

Sample Name: 180-130261-K-5-A Acquired: 11/26/2021 12:47:59 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00850**	F **-.02417**	F **-.01632**	F **1.3848**	**1.0985**	**.12584**
Stddev	.00149	.00616	.00126	.1057	.1328	.01205
%RSD	17.551	25.496	7.7131	7.6324	12.088	9.5794
#1	.00794	-.03081	-.01680	1.5066	1.1904	.13943
#2	.00736	-.01865	-.01489	1.3309	1.1588	.11644
#3	.01018	-.02304	-.01726	1.3169	.94626	.12164
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		10.000	1.0000	1.0000		
Low Limit		-.01000	-.01000	-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02777**	**.07998**	F **-.86624**	F **5.2692**	**.00230**
Stddev	.01115	.00052	.05467	.1171	.00057
%RSD	40.135	.64972	6.3111	2.2219	24.840
#1	.04064	.08050	-.92865	5.1948	.00164
#2	.02165	.07946	-.82685	5.4042	.00270
#3	.02103	.08000	-.84320	5.2087	.00254
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			2.0000	4.0000	
Low Limit			-.02000	-.05000	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**731.19**	**1871.4**	**28377.**	**3135.0**
Stddev	13.65	58.2	721.	176.8
%RSD	1.8661	3.1115	2.5395	5.6395
#1	716.70	1804.6	27570.	3272.4
#2	743.79	1911.6	28606.	2935.5
#3	733.08	1897.9	28956.	3197.1

Sample Name: 660-115585-G-4-A Acquired: 11/26/2021 12:52:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.05693**	**.01388**	**3.4894**	**.01418**	**.00010**
Stddev	.00046	.02044	.00174	.0031	.00028	.00006
%RSD	167.42	35.896	12.566	.08870	1.9598	62.237
#1	.00008	.03652	.01408	3.4927	.01416	.00003
#2	-.00010	.07740	.01551	3.4866	.01447	.00016
#3	-.00079	.05687	.01204	3.4890	.01391	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**276.04**	**.00028**	**.00456**	**.00096**	**-.00131**	**.04047**
Stddev	1.31	.00021	.00042	.00109	.00100	.00200
%RSD	.47522	77.175	9.2246	113.19	76.440	4.9376
#1	276.00	.00007	.00487	.00106	-.00021	.03905
#2	277.37	.00026	.00408	-.00017	-.00156	.04276
#3	274.75	.00050	.00472	.00200	-.00216	.03961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**314.27**	**.25256**	F **912.11**	**.01806**	**.02648**	F **2644.9**
Stddev	.28	.00161	2.56	.00012	.00256	3.2
%RSD	.09044	.63773	.28019	.64313	9.6812	.12273
#1	314.39	.25361	912.94	.01818	.02931	2643.7
#2	314.48	.25337	914.15	.01795	.02578	2648.6
#3	313.95	.25071	909.24	.01805	.02433	2642.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-A Acquired: 11/26/2021 12:52:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00744**	**-.00038**	**.00026**	**.02646**	**.06453**	**-.00086**
Stddev	.00027	.00260	.00207	.00437	.01495	.00033
%RSD	3.6493	685.13	791.62	16.527	23.166	38.136
#1	.00744	.00094	-.00059	.03141	.05821	-.00063
#2	.00771	.00130	-.00124	.02310	.05378	-.00124
#3	.00717	-.00337	.00262	.02488	.08160	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.5473**	**.00123**	**-.00412**	**.01459**	**.00493**
Stddev	.0309	.00007	.00183	.00438	.00028
%RSD	.47230	5.7576	44.342	30.022	5.6862
#1	6.5127	.00127	-.00529	.01061	.00512
#2	6.5724	.00127	-.00201	.01387	.00505
#3	6.5567	.00115	-.00505	.01928	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1288.9**	**2646.8**	**39632.**	**4041.1**
Stddev	7.9	10.2	183.	29.9
%RSD	.61644	.38649	.46229	.74048
#1	1280.1	2636.4	39801.	4050.1
#2	1295.4	2656.9	39658.	4007.7
#3	1291.3	2647.0	39437.	4065.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:57:29 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97074**	**23.554**	**.47880**	**1.9646**	**1.8920**	**1.8765**
Stddev	.00384	.095	.00209	.0034	.0019	.0067
%RSD	.39547	.40399	.43751	.17490	.10075	.35827
#1	.97008	23.452	.47799	1.9647	1.8898	1.8709
#2	.97487	23.640	.47722	1.9612	1.8932	1.8840
#3	.96728	23.571	.48117	1.9681	1.8929	1.8746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.127**	**.47951**	**1.9443**	**1.8737**	**1.9288**	**23.224**
Stddev	.089	.00029	.0063	.0085	.0063	.108
%RSD	.18794	.06035	.32192	.45521	.32486	.46706
#1	47.050	.47955	1.9491	1.8657	1.9241	23.129
#2	47.224	.47921	1.9465	1.8826	1.9359	23.342
#3	47.107	.47978	1.9372	1.8728	1.9264	23.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.84**	**2.0088**	**46.083**	**1.8399**	**1.8371**	F **104.76**
Stddev	.46	.0052	.296	.0061	.0059	1.09
%RSD	.39776	.25726	.64315	.33019	.32266	1.0400
#1	115.59	2.0145	45.871	1.8346	1.8309	104.20
#2	116.38	2.0074	46.422	1.8466	1.8376	106.02
#3	115.56	2.0044	45.957	1.8385	1.8428	104.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 12:57:29 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9394**	**.47364**	**.47488**	**.46761**	**1.9736**	F **1.7902**
Stddev	.0059	.00254	.00225	.01281	.0158	.0067
%RSD	.30409	.53576	.47396	2.7392	.80189	.37448
#1	1.9423	.47622	.47350	.45302	1.9553	1.7978
#2	1.9433	.47355	.47748	.47277	1.9819	1.7874
#3	1.9326	.47114	.47367	.47703	1.9836	1.7852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8581**	**1.8795**	**.92401**	**1.8903**	**1.8444**
Stddev	.0044	.0010	.00388	.0115	.0048
%RSD	.23459	.05231	.41972	.60649	.25921
#1	1.8631	1.8792	.92750	1.8834	1.8464
#2	1.8558	1.8806	.92468	1.9035	1.8479
#3	1.8553	1.8787	.91983	1.8840	1.8390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1940.6**	**3510.4**	**53635.**	**4751.9**
Stddev	7.1	6.6	158.	11.0
%RSD	.36528	.18814	.29419	.23076
#1	1935.1	3503.9	53763.	4763.9
#2	1938.1	3510.3	53459.	4742.5
#3	1948.6	3517.1	53684.	4749.4

Sample Name: CCB6 Acquired: 11/26/2021 13:01:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.02068**	**.00467**	**.00543**	**.00001**	**.00001**
Stddev	.00022	.02718	.00072	.00043	.00011	.00005
%RSD	667.67	131.41	15.385	7.9600	1232.2	473.08
#1	-.00028	.00978	.00428	.00557	.00000	-.00004
#2	.00016	-.04245	.00549	.00577	-.00010	.00003
#3	.00002	-.02938	.00422	.00494	.00012	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00382**	**-.00005**	**-.00015**	**.00002**	**.00107**	**-.00495**
Stddev	.00469	.00012	.00007	.00040	.00034	.00216
%RSD	122.84	226.18	46.751	1796.0	31.422	43.641
#1	-.00786	.00004	-.00008	-.00044	.00142	-.00644
#2	-.00493	-.00001	-.00014	.00028	.00103	-.00592
#3	.00133	-.00019	-.00022	.00022	.00075	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9262**	**.00345**	**.02841**	**.00031**	**.02679**	F **25.899**
Stddev	.0210	.00027	.01717	.00005	.00331	.121
%RSD	.42570	7.8852	60.425	16.260	12.351	.46763
#1	4.9316	.00372	.04583	.00036	.03021	26.036
#2	4.9030	.00317	.01151	.00027	.02656	25.855
#3	4.9439	.00347	.02789	.00029	.02360	25.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: CCB6 Acquired: 11/26/2021 13:01:51 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00050**	**-.00088**	F **.01078**	**.01273**	**-.00067**
Stddev	.00004	.00066	.00104	.00184	.00529	.00027
%RSD	9.8864	131.82	117.19	17.084	41.558	39.979
#1	.00039	.00015	-.00190	.01259	.01515	-.00069
#2	.00046	-.00117	.00017	.00891	.01639	-.00040
#3	.00046	-.00047	-.00092	.01085	.00667	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**.00167**	**.00008**	**.00337**	**.00068**
Stddev	.00736	.00010	.00161	.00092	.00016
%RSD	147.95	5.9682	1931.4	27.228	23.921
#1	.01223	.00156	-.00011	.00330	.00054
#2	-.00249	.00175	.00178	.00249	.00086
#3	.00519	.00171	-.00142	.00432	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2228.3**	**3644.2**	**55946.**	**4821.4**
Stddev	1.7	7.1	700.	19.6
%RSD	.07697	.19601	1.2518	.40615
#1	2228.1	3652.4	56413.	4829.9
#2	2230.2	3641.0	56285.	4835.2
#3	2226.8	3639.2	55141.	4799.0

Sample Name: 660-115585-G-4A SD@5 Acquired: 11/26/2021 13:06:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.01168**	**.00710**	**.68778**	**.00280**	**.00000**
Stddev	.00035	.01243	.00163	.00394	.00014	.00013
%RSD	601.64	106.36	23.004	.57321	5.0157	4779.2
#1	-.00034	.00259	.00823	.69135	.00280	-.00014
#2	.00033	-.02009	.00784	.68844	.00266	.00007
#3	-.00017	-.01756	.00523	.68354	.00294	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.181**	**.00010**	**.00222**	**.00003**	**-.00262**	**.00691**
Stddev	.419	.00004	.00043	.00037	.00052	.00137
%RSD	.71996	40.813	19.162	1094.8	19.900	19.817
#1	58.589	.00014	.00270	.00020	-.00225	.00800
#2	58.203	.00006	.00209	.00029	-.00322	.00538
#3	57.752	.00011	.00188	-.00039	-.00239	.00736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.487**	**.04781**	**182.91**	**.00369**	**.01064**	F **879.47**
Stddev	.584	.00182	1.26	.00013	.00052	13.00
%RSD	.94954	3.8071	.68619	3.5724	4.9146	1.4781
#1	61.770	.04675	184.02	.00360	.01109	883.07
#2	61.875	.04678	183.17	.00362	.01076	890.29
#3	60.815	.04992	181.55	.00384	.01007	865.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 660-115585-G-4A SD@5 Acquired: 11/26/2021 13:06:32 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00109**	**-.00011**	**.00934**	**.02039**	**-.00162**
Stddev	.00070	.00231	.00242	.00103	.00870	.00089
%RSD	114.47	211.59	2125.4	10.994	42.672	54.859
#1	.00123	.00179	.00093	.00898	.01141	-.00088
#2	.00073	.00296	-.00288	.01049	.02099	-.00137
#3	-.00014	-.00149	.00160	.00853	.02879	-.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.3913**	**.00068**	**-.00334**	**.00395**	**.00144**
Stddev	.0045	.00020	.00198	.00328	.00010
%RSD	.32634	29.313	59.248	82.992	6.8201
#1	1.3965	.00051	-.00345	.00064	.00154
#2	1.3888	.00065	-.00525	.00720	.00145
#3	1.3885	.00090	-.00130	.00403	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1670.1**	**3145.0**	**47417.**	**4497.5**
Stddev	7.0	17.2	454.	35.1
%RSD	.42103	.54590	.95717	.77959
#1	1662.4	3128.6	46955.	4468.7
#2	1671.9	3143.5	47431.	4487.2
#3	1676.1	3162.8	47863.	4536.6

Sample Name: 660-115585-G-4-B MS Acquired: 11/26/2021 13:11:19 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31806**	**5.1595**	**1.1671**	**4.6723**	**.98494**	**.45642**
Stddev	.00134	.1420	.0035	.0123	.01380	.00740
%RSD	.42198	2.7517	.29946	.26383	1.4014	1.6209
#1	.31954	5.0370	1.1645	4.6833	.97681	.45296
#2	.31692	5.3151	1.1711	4.6745	1.0009	.46491
#3	.31771	5.1264	1.1658	4.6590	.97714	.45138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**287.97**	**.57519**	**.51007**	**.45186**	**.55122**	**4.6463**
Stddev	4.78	.00158	.00113	.00170	.00177	.0920
%RSD	1.6584	.27403	.22250	.37518	.32145	1.9795
#1	284.88	.57699	.51130	.45373	.55324	4.5962
#2	293.47	.57407	.50907	.45043	.54995	4.7525
#3	285.56	.57450	.50983	.45143	.55046	4.5904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**329.40**	**.86831**	F **901.91**	**.46783**	**.43291**	F **2906.9**
Stddev	4.20	.01075	16.32	.00118	.00169	35.3
%RSD	1.2763	1.2379	1.8093	.25325	.39115	1.2131
#1	327.65	.86160	892.05	.46858	.43146	2906.0
#2	334.20	.88070	920.75	.46845	.43250	2942.6
#3	326.36	.86262	892.94	.46647	.43477	2872.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-B MS Acquired: 11/26/2021 13:11:19 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50157**	**.47293**	**.26276**	**1.2050**	**1.1666**	**.79278**
Stddev	.00156	.00551	.00053	.0076	.0296	.00369
%RSD	.31112	1.1658	.20017	.63420	2.5340	.46486
#1	.50319	.47723	.26238	1.1990	1.1843	.79534
#2	.50143	.46671	.26255	1.2136	1.1831	.78856
#3	.50008	.47483	.26336	1.2025	1.1325	.79444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.8271**	**.47228**	**.86079**	**.47648**	**.22478**
Stddev	.1271	.00051	.00065	.00853	.00101
%RSD	1.8609	.10843	.07508	1.7897	.44891
#1	6.7658	.47260	.86141	.46682	.22591
#2	6.9732	.47255	.86085	.48297	.22444
#3	6.7423	.47169	.86012	.47965	.22398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1303.4**	**2698.7**	**40654.**	**4128.6**
Stddev	2.8	6.5	134.	75.2
%RSD	.21615	.24250	.32982	1.8224
#1	1300.8	2691.1	40512.	4167.3
#2	1303.1	2702.1	40672.	4041.9
#3	1306.4	2702.9	40778.	4176.6

Sample Name: 660-115585-H-4-A MSD Acquired: 11/26/2021 13:15:48 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31880**	**5.1089**	**1.2018**	**4.6992**	**.98957**	**.46087**
Stddev	.00082	.0277	.0181	.0568	.00112	.00138
%RSD	.25845	.54159	1.5104	1.2077	.11270	.29838
#1	.31959	5.1096	1.1864	4.6656	.98926	.46244
#2	.31795	5.0808	1.2218	4.7647	.99080	.46026
#3	.31886	5.1361	1.1973	4.6673	.98864	.45990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**285.82**	**.58915**	**.52343**	**.45894**	**.55804**	**4.5519**
Stddev	1.35	.00775	.00717	.00180	.00171	.0347
%RSD	.47204	1.3149	1.3697	.39279	.30609	.76302
#1	286.71	.58383	.51736	.46102	.55986	4.5810
#2	286.49	.59803	.53134	.45797	.55777	4.5612
#3	284.27	.58557	.52158	.45784	.55648	4.5134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**331.22**	**.87022**	F **898.37**	**.47370**	**.45092**	F **2821.3**
Stddev	.16	.00336	4.42	.00123	.00662	57.3
%RSD	.04900	.38641	.49184	.25932	1.4680	2.0304
#1	331.40	.86638	902.87	.47510	.44463	2860.3
#2	331.11	.87263	898.21	.47278	.45782	2847.9
#3	331.14	.87165	894.03	.47323	.45031	2755.5
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-H-4-A MSD Acquired: 11/26/2021 13:15:48 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51299**	**.48792**	**.26826**	**1.2406**	**1.1575**	**.81538**
Stddev	.00507	.00581	.00370	.0119	.0068	.01027
%RSD	.98764	1.1899	1.3797	.95568	.58535	1.2591
#1	.50859	.48242	.26941	1.2304	1.1646	.80697
#2	.51853	.49399	.27125	1.2536	1.1510	.82682
#3	.51185	.48736	.26412	1.2377	1.1570	.81235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.8057**	**.47983**	**.88376**	**.48103**	**.22970**
Stddev	.0282	.00123	.00939	.00485	.00288
%RSD	.41490	.25624	1.0619	1.0086	1.2545
#1	6.8347	.48052	.87450	.48053	.22697
#2	6.8043	.47841	.89327	.48611	.23271
#3	6.7782	.48056	.88352	.47645	.22942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1301.3**	**2695.4**	**41049.**	**4150.6**
Stddev	12.1	26.2	161.	35.3
%RSD	.93047	.97026	.39217	.85132
#1	1310.6	2714.1	40882.	4122.7
#2	1287.6	2665.6	41203.	4138.9
#3	1305.8	2706.6	41063.	4190.3

Sample Name: 660-115585-G-4-A PDS Acquired: 11/26/2021 13:20:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33596**	**5.3372**	**1.2441**	**4.8069**	**1.0302**	**.47753**
Stddev	.00091	.0521	.0048	.0071	.0025	.00173
%RSD	.26964	.97626	.38715	.14748	.24277	.36309
#1	.33656	5.2776	1.2417	4.8071	1.0280	.47571
#2	.33639	5.3600	1.2497	4.8139	1.0298	.47773
#3	.33491	5.3740	1.2410	4.7997	1.0329	.47916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**293.52**	**.61173**	**.54443**	**.47862**	**.58626**	**4.8052**
Stddev	.82	.00168	.00367	.00166	.00221	.0166
%RSD	.27985	.27493	.67459	.34707	.37638	.34482
#1	292.59	.61259	.54680	.47759	.58872	4.7879
#2	294.13	.61281	.54629	.48054	.58446	4.8209
#3	293.84	.60979	.54020	.47774	.58560	4.8068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**340.03**	**.89758**	F **920.70**	**.49713**	**.45877**	F **2876.5**
Stddev	1.44	.00360	3.36	.00102	.00152	20.7
%RSD	.42336	.40105	.36534	.20502	.33117	.71796
#1	338.44	.89717	916.95	.49749	.45806	2869.7
#2	340.40	.89421	923.45	.49792	.46052	2899.7
#3	341.24	.90137	921.71	.49598	.45775	2860.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			600.00			500.00
Low Limit			-5.0000			-5.0000

Sample Name: 660-115585-G-4-A PDS Acquired: 11/26/2021 13:20:17 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53132**	**.51020**	**.27577**	**1.2832**	**1.1935**	**.84516**
Stddev	.00280	.00407	.00131	.0034	.0106	.00278
%RSD	.52691	.79677	.47399	.26849	.88496	.32884
#1	.53445	.50702	.27443	1.2792	1.1822	.84685
#2	.53047	.51478	.27704	1.2850	1.1953	.84667
#3	.52905	.50880	.27585	1.2854	1.2031	.84195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**6.9502**	**.50052**	**.92089**	**.48887**	**.23606**
Stddev	.0311	.00101	.00203	.00152	.00136
%RSD	.44730	.20135	.22076	.31067	.57572
#1	6.9208	.50166	.92056	.48991	.23618
#2	6.9827	.49976	.91905	.48713	.23735
#3	6.9472	.50013	.92307	.48958	.23464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1293.0**	**2690.5**	**40645.**	**4145.2**
Stddev	3.8	5.9	158.	25.9
%RSD	.29736	.22028	.38910	.62423
#1	1290.5	2688.4	40610.	4172.9
#2	1291.1	2685.9	40508.	4121.6
#3	1297.4	2697.2	40818.	4141.2

Sample Name: 180-130390-A-1-A Acquired: 11/26/2021 13:24:47 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.01363**	**.01044**	**.13738**	**.11306**	**.00002**
Stddev	.00029	.01634	.00202	.00060	.00053	.00018
%RSD	1032.4	119.89	19.310	.43831	.46551	1148.8
#1	-.00007	-.03170	.00910	.13805	.11330	.00006
#2	-.00030	.00012	.01276	.13688	.11342	.00017
#3	.00029	-.00932	.00947	.13720	.11246	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**110.82**	**.00014**	**.00034**	**-.00038**	**.00104**	**-.00208**
Stddev	.30	.00021	.00025	.00049	.00028	.00069
%RSD	.27063	144.16	75.835	126.94	27.244	33.297
#1	111.14	.00006	.00013	.00010	.00109	-.00279
#2	110.76	.00038	.00025	-.00039	.00130	-.00141
#3	110.55	-.00001	.00062	-.00087	.00074	-.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6504**	**.01485**	**29.453**	**.03155**	**.01307**	**41.515**
Stddev	.0718	.00099	.056	.00027	.00121	.097
%RSD	1.2704	6.6597	.18874	.85530	9.2396	.23253
#1	5.7301	.01597	29.411	.03156	.01428	41.620
#2	5.6305	.01411	29.431	.03127	.01308	41.430
#3	5.5907	.01446	29.516	.03181	.01186	41.495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-1-A Acquired: 11/26/2021 13:24:47 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00175**	**.00018**	**.01652**	**4.5367**	**-.00123**
Stddev	.00042	.00241	.00052	.00246	.0189	.00064
%RSD	70.954	138.16	295.91	14.901	.41704	52.232
#1	.00092	.00002	.00077	.01655	4.5314	-.00179
#2	.00071	.00450	-.00023	.01897	4.5576	-.00053
#3	.00012	.00071	-.00001	.01404	4.5209	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.60880**	**.00059**	**.00122**	**.00457**	**.00095**
Stddev	.00840	.00015	.00058	.00272	.00016
%RSD	1.3799	24.448	47.326	59.564	17.107
#1	.61828	.00043	.00172	.00172	.00113
#2	.60228	.00072	.00136	.00713	.00082
#3	.60585	.00063	.00059	.00485	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2037.6**	**3511.7**	**54076.**	**4701.6**
Stddev	2.2	2.8	149.	16.7
%RSD	.10597	.07889	.27626	.35595
#1	2035.1	3508.6	53965.	4686.4
#2	2038.6	3513.9	54246.	4719.5
#3	2039.0	3512.6	54017.	4698.9

Sample Name: 180-130390-A-2-A Acquired: 11/26/2021 13:29:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.02206**	**.00538**	**.21549**	**.05091**	**-.00002**
Stddev	.00019	.00658	.00015	.00107	.00021	.00010
%RSD	1313.2	29.812	2.7444	.49676	.41092	517.00
#1	-.00007	.02937	.00553	.21667	.05077	.00003
#2	-.00012	.02021	.00536	.21523	.05115	-.00013
#3	.00024	.01661	.00524	.21457	.05082	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.26**	**.00011**	**.00022**	**.00004**	**.00153**	**.05039**
Stddev	.48	.00019	.00033	.00043	.00029	.00403
%RSD	.42341	173.63	147.21	1235.4	18.802	7.9995
#1	112.86	.00009	.00022	-.00000	.00141	.04578
#2	113.79	.00031	.00055	-.00038	.00132	.05214
#3	113.12	-.00007	-.00011	.00049	.00186	.05324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6317**	**.01789**	**28.640**	**.03478**	**.00651**	**25.534**
Stddev	.0169	.00046	.091	.00014	.00031	.134
%RSD	.25485	2.5824	.31785	.40184	4.8333	.52400
#1	6.6402	.01738	28.623	.03493	.00682	25.454
#2	6.6427	.01800	28.738	.03478	.00653	25.689
#3	6.6122	.01828	28.558	.03465	.00619	25.459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-2-A Acquired: 11/26/2021 13:29:26 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00041**	**.00035**	**.00499**	**7.7427**	**-.00176**
Stddev	.00015	.00184	.00119	.00336	.0416	.00036
%RSD	29.749	449.41	335.84	67.389	.53745	20.453
#1	.00056	-.00152	.00105	.00448	7.7197	-.00184
#2	.00061	.00214	.00103	.00857	7.7176	-.00207
#3	.00033	.00061	-.00102	.00191	7.7907	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.77441**	**.00060**	**-.00078**	**.00094**	**.00498**
Stddev	.00330	.00015	.00069	.00297	.00046
%RSD	.42669	25.250	87.450	316.61	9.1648
#1	.77059	.00052	-.00135	-.00247	.00541
#2	.77624	.00077	-.00002	.00232	.00503
#3	.77638	.00050	-.00098	.00296	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2046.9**	**3507.8**	**54033.**	**4653.3**
Stddev	4.5	3.1	115.	43.5
%RSD	.22211	.08863	.21361	.93487
#1	2050.8	3510.4	54166.	4695.2
#2	2041.9	3504.4	53971.	4608.4
#3	2048.0	3508.7	53963.	4656.3

Sample Name: 180-130390-A-3-A Acquired: 11/26/2021 13:34:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.02673**	**.00578**	**.12330**	**.04889**	**-.00000**
Stddev	.00063	.02104	.00183	.00249	.00033	.00001
%RSD	2704.9	78.693	31.696	2.0190	.67730	650.35
#1	.00021	.04619	.00664	.12102	.04896	.00001
#2	.00046	.00441	.00368	.12293	.04853	-.00001
#3	-.00074	.02960	.00702	.12596	.04919	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.34**	**.00027**	**.00120**	**-.00035**	**.00227**	**.04248**
Stddev	.21	.00018	.00023	.00006	.00042	.00265
%RSD	.16264	65.818	19.578	16.191	18.561	6.2451
#1	126.29	.00026	.00095	-.00039	.00204	.04471
#2	126.16	.00010	.00141	-.00028	.00276	.04318
#3	126.56	.00045	.00123	-.00036	.00202	.03954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2887**	**.01701**	**34.141**	**.16862**	**.00678**	**31.918**
Stddev	.0084	.00038	.032	.00064	.00033	.208
%RSD	.15889	2.2276	.09405	.38139	4.8026	.65051
#1	5.2980	.01741	34.174	.16920	.00703	32.131
#2	5.2815	.01695	34.110	.16874	.00689	31.716
#3	5.2868	.01666	34.138	.16793	.00641	31.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-3-A Acquired: 11/26/2021 13:34:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00166**	**.00003**	**.00405**	**3.9164**	**-.00104**
Stddev	.00013	.00115	.00379	.00287	.0181	.00079
%RSD	4.5978	69.220	13375.	70.736	.46185	76.247
#1	.00292	.00157	.00300	.00241	3.9294	-.00064
#2	.00268	.00056	.00133	.00737	3.8957	-.00053
#3	.00289	.00286	-.00424	.00239	3.9240	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.94001**	**.00190**	**-.00075**	**.00270**	**.00559**
Stddev	.00447	.00011	.00092	.00428	.00014
%RSD	.47514	5.7448	122.49	158.67	2.4694
#1	.93761	.00189	-.00171	.00653	.00550
#2	.94517	.00179	.00013	-.00192	.00575
#3	.93726	.00200	-.00068	.00349	.00553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1975.6**	**3406.9**	**53351.**	**4697.6**
Stddev	23.0	45.8	229.	12.9
%RSD	1.1664	1.3450	.42887	.27502
#1	2000.7	3454.6	53103.	4684.5
#2	1970.5	3402.8	53397.	4710.4
#3	1955.5	3363.2	53554.	4697.9

Sample Name: 180-130390-A-4-A Acquired: 11/26/2021 13:38:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.01646**	**.00647**	**.20441**	**.04461**	**.00019**
Stddev	.00049	.02786	.00163	.00035	.00104	.00005
%RSD	937.68	169.23	25.209	.16905	2.3276	25.214
#1	.00037	.03602	.00712	.20416	.04574	.00017
#2	-.00059	.02881	.00462	.20480	.04441	.00025
#3	.00006	-.01544	.00768	.20426	.04369	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.995**	**.00003**	**-.00010**	**.00009**	**.00029**	**.00792**
Stddev	1.452	.00008	.00019	.00052	.00016	.01965
%RSD	2.5469	248.30	183.30	606.67	53.282	248.21
#1	58.547	.00011	.00011	.00009	.00021	-.00247
#2	56.766	.00002	-.00024	.00061	.00020	.03059
#3	55.671	-.00004	-.00018	-.00044	.00047	-.00436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.261**	**.00950**	**6.4209**	**.02446**	**.00907**	**13.489**
Stddev	.263	.00144	.1736	.00018	.00020	.310
%RSD	2.5604	15.197	2.7029	.74743	2.2311	2.2972
#1	10.554	.01100	6.5908	.02427	.00930	13.823
#2	10.185	.00938	6.4279	.02446	.00900	13.433
#3	10.045	.00812	6.2439	.02464	.00891	13.211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130390-A-4-A Acquired: 11/26/2021 13:38:40 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00232**	**-.00005**	**.00249**	F **10.562**	**-.00167**
Stddev	.00042	.00116	.00057	.00300	.232	.00020
%RSD	581.43	49.921	1083.0	120.54	2.1938	11.771
#1	.00052	.00227	-.00013	-.00072	10.813	-.00186
#2	-.00000	.00119	-.00058	.00523	10.515	-.00147
#3	-.00030	.00351	.00055	.00296	10.357	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					10.000	
Low Limit					-.50000	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41165**	**.00022**	**.00017**	**.00210**	**.00001**
Stddev	.00926	.00007	.00106	.00166	.00008
%RSD	2.2485	33.115	622.28	79.311	672.40
#1	.42183	.00028	-.00074	.00267	.00005
#2	.40937	.00014	-.00008	.00340	-.00008
#3	.40375	.00023	.00133	.00022	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2134.2**	**3561.9**	**55258.**	**4846.9**
Stddev	4.8	7.2	123.	90.6
%RSD	.22462	.20325	.22211	1.8695
#1	2128.9	3553.5	55399.	4748.8
#2	2135.8	3565.6	55198.	4864.6
#3	2138.1	3566.5	55176.	4927.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 13:43:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96606**	**23.481**	**.48076**	**1.9836**	**1.9057**	**1.8998**
Stddev	.00341	.040	.00750	.0313	.0047	.0061
%RSD	.35310	.17021	1.5607	1.5774	.24660	.32029
#1	.96797	23.501	.48856	2.0182	1.9107	1.8982
#2	.96808	23.435	.48011	1.9750	1.9053	1.9065
#3	.96212	23.508	.47360	1.9575	1.9013	1.8947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.488**	**.48617**	**1.9683**	**1.8676**	**1.9061**	**23.431**
Stddev	.073	.00711	.0289	.0079	.0041	.092
%RSD	.15381	1.4627	1.4703	.42440	.21479	.39417
#1	47.506	.49412	2.0002	1.8746	1.9076	23.487
#2	47.551	.48395	1.9612	1.8693	1.9092	23.481
#3	47.408	.48042	1.9436	1.8590	1.9015	23.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.11**	**1.9712**	**46.510**	**1.8492**	**1.8547**	F **95.097**
Stddev	.25	.0033	.241	.0052	.0190	.680
%RSD	.21735	.16586	.51718	.27906	1.0217	.71530
#1	115.09	1.9745	46.740	1.8536	1.8762	94.957
#2	115.37	1.9680	46.529	1.8505	1.8474	95.836
#3	114.87	1.9710	46.260	1.8436	1.8405	94.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 13:43:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9826**	**.47933**	**.47839**	**.48590**	**1.9174**	**1.8095**
Stddev	.0315	.00499	.00424	.00425	.0085	.0243
%RSD	1.5889	1.0400	.88683	.87540	.44551	1.3412
#1	2.0182	.48480	.48313	.49018	1.9261	1.8368
#2	1.9715	.47815	.47710	.48584	1.9090	1.8016
#3	1.9582	.47505	.47495	.48168	1.9172	1.7902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8892**	**1.8808**	**.93155**	**1.8874**	**1.8863**
Stddev	.0150	.0007	.01192	.0080	.0278
%RSD	.79113	.03809	1.2799	.42426	1.4748
#1	1.9021	1.8813	.94388	1.8784	1.9181
#2	1.8926	1.8811	.93070	1.8937	1.8742
#3	1.8728	1.8800	.92008	1.8900	1.8666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.1**	**3486.8**	**53555.**	**4652.0**
Stddev	25.4	45.1	190.	11.5
%RSD	1.3230	1.2945	.35553	.24734
#1	1893.1	3435.8	53335.	4661.4
#2	1927.4	3503.0	53665.	4639.2
#3	1942.7	3521.5	53664.	4655.3

Sample Name: CCB7 Acquired: 11/26/2021 13:47:42 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.03241**	**.00364**	**.00352**	**.00020**	**.00012**
Stddev	.00048	.01002	.00116	.00021	.00028	.00009
%RSD	199.62	30.929	31.870	5.9397	140.19	76.426
#1	.00057	-.04390	.00480	.00374	.00007	.00010
#2	-.00031	-.02551	.00248	.00333	.00001	.00004
#3	.00046	-.02781	.00364	.00350	.00053	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00011**	**-.00003**	**.00030**	**.00033**	**-.00109**
Stddev	.00526	.00006	.00039	.00057	.00064	.00199
%RSD	1077.6	55.156	1467.8	188.83	190.60	182.42
#1	-.00298	-.00006	.00027	.00066	.00105	.00034
#2	-.00209	-.00017	.00012	-.00035	.00014	-.00025
#3	.00654	-.00009	-.00048	.00060	-.00018	-.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2608**	**.00223**	**.00757**	**.00005**	**.01755**	F **5.5788**
Stddev	.0141	.00235	.01696	.00001	.00204	.0191
%RSD	1.1211	105.75	223.96	13.830	11.627	.34281
#1	1.2643	.00298	.02348	.00006	.01975	5.5782
#2	1.2730	.00411	-.01028	.00005	.01718	5.5982
#3	1.2453	-.00041	.00952	.00006	.01572	5.5600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						5.0000
Low Limit						-5.0000

Sample Name: CCB7 Acquired: 11/26/2021 13:47:42 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.00035**	**.00104**	**.00742**	**.00772**	**-.00112**
Stddev	.00066	.00018	.00065	.00147	.00951	.00070
%RSD	183.78	52.747	62.778	19.790	123.18	62.522
#1	-.00111	.00014	.00072	.00805	.00309	-.00041
#2	-.00007	.00050	.00179	.00574	.00141	-.00181
#3	.00011	.00041	.00061	.00847	.01865	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**.00107**	**-.00016**	**.00399**	**.00046**
Stddev	.00175	.00020	.00097	.00357	.00016
%RSD	22.528	19.049	598.61	89.565	33.585
#1	.00973	.00089	.00094	.00465	.00029
#2	.00705	.00103	-.00090	.00013	.00060
#3	.00646	.00130	-.00052	.00718	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.3**	**3688.8**	**56551.**	**4674.7**
Stddev	3.9	10.9	245.	11.3
%RSD	.17073	.29597	.43335	.24191
#1	2271.6	3686.8	56543.	4686.0
#2	2265.9	3678.9	56800.	4674.8
#3	2273.3	3700.5	56310.	4663.4

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:52:25 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**.15175**	**.01023**	**.20030**	**.19625**	**.00403**
Stddev	.00048	.02855	.00283	.00056	.00013	.00018
%RSD	10.258	18.814	27.672	.28080	.06614	4.3527
#1	.00496	.15755	.01038	.20064	.19614	.00387
#2	.00415	.17695	.01298	.20060	.19639	.00422
#3	.00500	.12074	.00733	.19965	.19623	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8965**	**.00479**	**.04705**	**.00519**	**.02547**	**.09158**
Stddev	.0136	.00013	.00014	.00007	.00042	.00056
%RSD	.27685	2.8065	.30551	1.3377	1.6325	.60759
#1	4.8809	.00491	.04706	.00511	.02586	.09222
#2	4.9048	.00465	.04719	.00524	.02551	.09119
#3	4.9039	.00480	.04691	.00520	.02503	.09134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.5565**	**.04943**	**4.9628**	**.01473**	**.04279**	F **8.1240**
Stddev	.0578	.00095	.0731	.00003	.00031	.0644
%RSD	1.0399	1.9304	1.4735	.18643	.72045	.79281
#1	5.4936	.04887	4.9132	.01476	.04314	8.0525
#2	5.5688	.04890	5.0467	.01471	.04268	8.1423
#3	5.6073	.05054	4.9284	.01473	.04255	8.1774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						5.0000
Range						30.000%

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:52:25 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03782**	**.00960**	**.00968**	**.00975**	F **.72252**	**.09357**
Stddev	.00055	.00097	.00233	.00215	.01195	.00038
%RSD	1.4572	10.073	24.084	22.086	1.6537	.40437
#1	.03768	.00985	.01081	.01015	.73099	.09336
#2	.03843	.00853	.01123	.00743	.72771	.09335
#3	.03735	.01041	.00700	.01168	.70885	.09401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.50000	
Range					30.000%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**.04864**	**.01769**	**.05270**	**.02038**
Stddev	.00692	.00010	.00099	.00430	.00015
%RSD	14.976	.19821	5.6237	8.1596	.72109
#1	.03945	.04854	.01849	.05686	.02023
#2	.04595	.04864	.01801	.04827	.02040
#3	.05328	.04873	.01658	.05298	.02053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2224.7**	**3655.1**	**55792.**	**4648.0**
Stddev	3.5	4.0	178.	38.1
%RSD	.15543	.11022	.31987	.81914
#1	2227.5	3652.1	55606.	4689.5
#2	2220.8	3653.4	55961.	4639.8
#3	2225.7	3659.7	55811.	4614.7

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:57:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.20346**	**.01210**	**.19931**	**.19643**	**.00393**
Stddev	.00045	.01300	.00134	.00109	.00049	.00002
%RSD	8.9027	6.3901	11.076	.54719	.24788	.50718
#1	.00458	.19668	.01363	.19931	.19699	.00395
#2	.00547	.19525	.01119	.20039	.19618	.00391
#3	.00499	.21845	.01147	.19821	.19612	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8931**	**.00484**	**.04666**	**.00474**	**.02557**	**.08629**
Stddev	.0296	.00011	.00013	.00015	.00067	.00300
%RSD	.60578	2.3503	.27958	3.1952	2.6015	3.4753
#1	4.9240	.00496	.04652	.00465	.02485	.08352
#2	4.8905	.00483	.04670	.00465	.02615	.08947
#3	4.8649	.00474	.04677	.00491	.02572	.08587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4498**	**.05016**	**4.9699**	**.01471**	**.04110**	F **7.6393**
Stddev	.0111	.00158	.0067	.00001	.00037	.0240
%RSD	.20422	3.1591	.13514	.08605	.90020	.31405
#1	5.4471	.04992	4.9733	.01471	.04124	7.6670
#2	5.4621	.04870	4.9742	.01473	.04138	7.6258
#3	5.4404	.05185	4.9621	.01470	.04068	7.6251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						5.0000
Range						30.000%

Sample Name: CCVL 4543482 Acquired: 11/26/2021 13:57:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03808**	**.00979**	**.00959**	**.01015**	F **.67862**	**.09397**
Stddev	.00039	.00106	.00222	.00155	.00714	.00027
%RSD	1.0251	10.844	23.158	15.325	1.0519	.28788
#1	.03763	.01028	.00810	.01116	.67396	.09393
#2	.03833	.01051	.01215	.01092	.67507	.09426
#3	.03827	.00857	.00853	.00836	.68684	.09372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.50000	
Range					30.000%	

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04426**	**.04871**	**.01838**	**.05279**	**.02031**
Stddev	.00460	.00004	.00090	.00229	.00012
%RSD	10.385	.09137	4.9220	4.3445	.57082
#1	.04798	.04867	.01738	.05450	.02044
#2	.03912	.04875	.01863	.05019	.02023
#3	.04569	.04870	.01913	.05369	.02025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2225.5**	**3653.6**	**55623.**	**4635.0**
Stddev	2.0	3.5	265.	15.6
%RSD	.09208	.09490	.47728	.33719
#1	2223.7	3649.7	55318.	4617.9
#2	2227.7	3654.8	55752.	4638.8
#3	2225.1	3656.3	55800.	4648.4

Sample Name: MB 180-379945/1-A Acquired: 11/26/2021 14:01:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.02283**	**.00174**	**.00190**	**-.00004**	**-.00004**
Stddev	.00014	.01144	.00133	.00040	.00016	.00003
%RSD	41.498	50.085	76.516	21.209	373.80	79.612
#1	-.00025	.03545	.00321	.00233	.00003	-.00004
#2	-.00027	.01990	.00061	.00153	-.00022	-.00007
#3	-.00051	.01315	.00141	.00185	.00007	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00005**	**-.00006**	**.00011**	**.00072**	**-.00277**
Stddev	.00893	.00008	.00032	.00029	.00045	.00384
%RSD	370.14	160.10	511.93	267.60	62.817	138.76
#1	.01269	.00010	-.00013	-.00015	.00020	-.00393
#2	-.00197	.00009	-.00034	.00042	.00102	.00152
#3	-.00348	-.00004	.00028	.00006	.00095	-.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82801**	**.00088**	**.02468**	**.00001**	**.00442**	**3.5654**
Stddev	.02924	.00086	.03100	.00001	.00013	.0174
%RSD	3.5309	98.157	125.63	137.02	3.0160	.48703
#1	.80036	.00159	.06007	.00002	.00438	3.5847
#2	.82506	-.00008	.01157	-.00001	.00456	3.5603
#3	.85861	.00114	.00238	.00002	.00431	3.5511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379945/1-A Acquired: 11/26/2021 14:01:42 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00006**	**-.00043**	**.00228**	**.00703**	**-.00112**
Stddev	.00057	.00150	.00077	.00254	.01478	.00056
%RSD	196.55	2559.7	180.26	111.67	210.27	50.202
#1	-.00050	-.00109	-.00047	-.00042	.02296	-.00059
#2	.00035	-.00049	-.00117	.00463	-.00622	-.00106
#3	-.00072	.00175	.00036	.00262	.00434	-.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00464**	**.00020**	**-.00188**	**.00090**	**.00199**
Stddev	.00802	.00003	.00017	.00578	.00005
%RSD	172.77	14.414	9.2588	645.07	2.4410
#1	-.00271	.00018	-.00194	-.00471	.00201
#2	.00344	.00018	-.00168	.00682	.00194
#3	.01320	.00023	-.00201	.00058	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2243.0**	**3658.0**	**56747.**	**4720.1**
Stddev	34.2	53.3	207.	6.5
%RSD	1.5262	1.4573	.36415	.13790
#1	2203.5	3596.4	56945.	4725.2
#2	2262.3	3689.1	56533.	4722.4
#3	2263.4	3688.4	56764.	4712.8

Sample Name: LCS 180-379945/2-A Acquired: 11/26/2021 14:06:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24929**	**4.9553**	**1.0284**	**1.3583**	**.98086**	**.49066**
Stddev	.00041	.0152	.0110	.0182	.00134	.00186
%RSD	.16305	.30703	1.0698	1.3432	.13624	.37909
#1	.24908	4.9697	1.0191	1.3473	.98235	.49205
#2	.24903	4.9394	1.0256	1.3482	.98045	.49139
#3	.24976	4.9569	1.0406	1.3794	.97977	.48855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.888**	**.49826**	**.49645**	**.48437**	**.49935**	**4.8782**
Stddev	.040	.00703	.00736	.00233	.00072	.0334
%RSD	.16064	1.4099	1.4822	.48140	.14407	.68395
#1	24.903	.49448	.49128	.48683	.49869	4.9138
#2	24.919	.49393	.49319	.48219	.49925	4.8732
#3	24.843	.50636	.50487	.48410	.50012	4.8477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.510**	**.50852**	**24.116**	**.48061**	**.47556**	**22.725**
Stddev	.163	.00133	.124	.00117	.00898	.126
%RSD	.66686	.26143	.51314	.24301	1.8888	.55356
#1	24.636	.50941	24.058	.48180	.46967	22.778
#2	24.569	.50914	24.258	.47946	.47110	22.815
#3	24.325	.50699	24.033	.48057	.48590	22.581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379945/2-A Acquired: 11/26/2021 14:06:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49341**	**.48000**	**.23970**	**1.0267**	**1.0589**	**.94817**
Stddev	.00806	.00763	.00372	.0183	.0216	.01469
%RSD	1.6338	1.5895	1.5512	1.7838	2.0426	1.5495
#1	.48871	.47344	.23757	1.0109	1.0633	.94080
#2	.48881	.47818	.23753	1.0225	1.0780	.93863
#3	.50272	.48837	.24399	1.0468	1.0354	.96509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47941**	**.49213**	**.98008**	**.48162**	**.25554**
Stddev	.00631	.00087	.01139	.00627	.00303
%RSD	1.3156	.17650	1.1617	1.3023	1.1866
#1	.47995	.49267	.97430	.48886	.25365
#2	.47284	.49113	.97274	.47827	.25392
#3	.48542	.49259	.99320	.47774	.25904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2070.0**	**3565.6**	**55378.**	**4812.8**
Stddev	26.3	45.7	195.	30.7
%RSD	1.2706	1.2822	.35278	.63761
#1	2088.4	3592.7	55162.	4800.9
#2	2081.7	3591.2	55543.	4789.9
#3	2039.9	3512.8	55428.	4847.7

Sample Name: LB 180-379744/23-C Acquired: 11/26/2021 14:10:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00582**	**.00386**	**.00252**	**.00030**	**.00010**
Stddev	.00029	.03000	.00099	.00026	.00020	.00010
%RSD	214.93	515.84	25.638	10.225	65.696	101.24
#1	-.00045	-.02703	.00327	.00280	.00046	.00021
#2	-.00009	.03178	.00330	.00230	.00008	.00009
#3	.00013	.01271	.00500	.00244	.00036	.00001
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01518**	**-.00009**	**.00013**	**.00000**	**.00084**	**-.00176**
Stddev	.00577	.00014	.00013	.00041	.00046	.00278
%RSD	38.004	152.40	96.928	8823.4	54.959	157.82
#1	.02171	.00006	-.00001	-.00047	.00031	-.00472
#2	.01303	-.00014	.00025	.00028	.00114	.00078
#3	.01079	-.00019	.00016	.00020	.00108	-.00133
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78309**	**.00166**	**.02922**	**.00007**	**.00738**	**3.3249**
Stddev	.00800	.00097	.03800	.00004	.00100	.0451
%RSD	1.0214	58.403	130.06	49.779	13.504	1.3576
#1	.78362	.00218	.07159	.00005	.00831	3.3770
#2	.79081	.00054	.01791	.00005	.00751	3.2985
#3	.77484	.00226	-.00184	.00011	.00633	3.2992
Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Sample Name: LB 180-379744/23-C Acquired: 11/26/2021 14:10:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00109**	**-.00039**	**.00878**	**-.00949**	**-.00054**
Stddev	.00042	.00182	.00261	.00141	.00500	.00031
%RSD	303.96	167.17	662.16	16.081	52.758	57.024
#1	.00032	.00020	.00237	.00825	-.01271	-.00021
#2	-.00051	.00319	-.00073	.01037	-.00372	-.00082
#3	-.00022	-.00012	-.00282	.00770	-.01203	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00595**	**.00055**	**-.00038**	**.00425**	**.00200**
Stddev	.00063	.00009	.00053	.00484	.00010
%RSD	10.565	15.652	139.25	113.86	4.9050
#1	-.00582	.00064	.00023	.00894	.00196
#2	-.00540	.00055	-.00061	.00452	.00211
#3	-.00664	.00047	-.00076	-.00072	.00193
Check ?	None	None	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2269.7**	**3692.2**	**57139.**	**4789.1**
Stddev	14.8	26.7	173.	19.5
%RSD	.65037	.72394	.30190	.40820
#1	2269.2	3688.3	57182.	4781.3
#2	2255.2	3667.6	56949.	4811.4
#3	2284.7	3720.7	57286.	4774.7

Sample Name: 180-130267-A-1-K Acquired: 11/26/2021 14:15:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00842**	**.00605**	**.05954**	**.45557**	**.00001**
Stddev	.00031	.01734	.00173	.00043	.00021	.00006
%RSD	73.757	206.00	28.539	.72311	.04645	775.77
#1	-.00067	.02810	.00490	.05990	.45580	.00004
#2	-.00054	-.00460	.00803	.05966	.45538	.00005
#3	-.00007	.00175	.00521	.05906	.45555	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**177.37**	**.00040**	**.00243**	**-.00012**	**.00188**	**-.00651**
Stddev	.65	.00023	.00033	.00054	.00023	.00434
%RSD	.36925	57.381	13.596	436.74	12.328	66.627
#1	176.96	.00046	.00275	.00043	.00161	-.00173
#2	177.02	.00015	.00246	-.00016	.00205	-.01021
#3	178.12	.00060	.00209	-.00065	.00198	-.00760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99872**	**.00398**	**2.0060**	**.18181**	**.00388**	**4.5398**
Stddev	.02197	.00054	.0202	.00042	.00023	.0519
%RSD	2.2003	13.453	1.0054	.23208	5.9357	1.1440
#1	.98293	.00336	2.0038	.18136	.00395	4.5488
#2	.98942	.00427	1.9870	.18220	.00407	4.5866
#3	1.0238	.00431	2.0272	.18188	.00362	4.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K Acquired: 11/26/2021 14:15:21 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**-.00026**	**-.00013**	**.00634**	**.13505**	**-.00066**
Stddev	.00017	.00271	.00174	.00278	.02108	.00079
%RSD	8.3053	1035.2	1336.2	43.845	15.609	120.71
#1	.00197	.00197	-.00063	.00346	.15706	-.00094
#2	.00223	.00052	.00180	.00901	.13305	-.00127
#3	.00191	-.00328	-.00156	.00654	.11504	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21307**	**.00009**	**-.00143**	**-.00494**	**.12204**
Stddev	.00616	.00005	.00132	.00365	.00017
%RSD	2.8896	52.800	92.330	73.849	.13835
#1	.21359	.00015	-.00074	-.00165	.12207
#2	.20666	.00006	-.00295	-.00431	.12220
#3	.21894	.00006	-.00059	-.00887	.12186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2049.5**	**3495.0**	**53908.**	**4651.8**
Stddev	1.7	3.1	184.	15.4
%RSD	.08386	.08994	.34191	.33184
#1	2048.3	3493.1	53925.	4669.6
#2	2051.4	3498.6	53715.	4642.6
#3	2048.7	3493.3	54083.	4643.3

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/26/2021 14:19:57 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01676**	**.00256**	**.01246**	**.08971**	**.00008**
Stddev	.00026	.02440	.00221	.00024	.00025	.00010
%RSD	969.93	145.56	86.235	1.9647	.27946	127.35
#1	.00012	.00190	.00449	.01233	.08999	.00016
#2	-.00033	.04492	.00304	.01231	.08964	.00009
#3	.00013	.00346	.00015	.01274	.08951	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.658**	**.00012**	**.00054**	**-.00006**	**.00066**	**-.00204**
Stddev	.087	.00006	.00015	.00021	.00064	.00281
%RSD	.24487	52.578	27.780	331.32	97.985	137.99
#1	35.747	.00015	.00041	-.00031	.00122	-.00260
#2	35.572	.00005	.00071	.00008	-.00005	-.00452
#3	35.656	.00015	.00051	.00003	.00080	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62014**	**.00089**	**.41397**	**.03652**	**.00251**	**2.7428**
Stddev	.01432	.00102	.01708	.00016	.00027	.0375
%RSD	2.3088	113.51	4.1270	.44945	10.887	1.3676
#1	.63615	-.00028	.40892	.03652	.00242	2.7861
#2	.61572	.00141	.39998	.03668	.00282	2.7193
#3	.60856	.00155	.43301	.03635	.00229	2.7231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1K SD@5 Acquired: 11/26/2021 14:19:57 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00049**	**-.00131**	**-.00026**	**.03337**	**-.00119**
Stddev	.00056	.00151	.00151	.00109	.01487	.00014
%RSD	325.47	310.61	115.84	412.95	44.557	11.662
#1	.00060	-.00060	-.00016	-.00150	.04343	-.00115
#2	-.00046	.00221	-.00302	.00056	.04038	-.00135
#3	.00037	-.00015	-.00074	.00015	.01629	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04066**	**.00033**	**-.00043**	**.00345**	**.02666**
Stddev	.00684	.00007	.00149	.00431	.00006
%RSD	16.810	21.690	346.77	125.02	.23511
#1	.04339	.00042	-.00214	.00454	.02668
#2	.04571	.00028	.00043	.00710	.02659
#3	.03288	.00030	.00043	-.00130	.02671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2219.5**	**3670.1**	**56232.**	**4717.3**
Stddev	2.1	4.2	225.	37.0
%RSD	.09645	.11312	.39966	.78448
#1	2217.3	3674.8	55983.	4687.5
#2	2219.6	3666.9	56294.	4758.7
#3	2221.6	3668.5	56420.	4705.7

Sample Name: 180-130267-A-1-L MS Acquired: 11/26/2021 14:24:35 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09531**	**.01119**	**.49568**	**.03011**	**4.9572**	**-.00003**
Stddev	.00056	.01667	.00221	.00028	.0603	.00015
%RSD	.58277	148.92	.44589	.92482	1.2169	607.43
#1	.09536	.01769	.49823	.03020	5.0240	-.00009
#2	.09584	-.00775	.49460	.02979	4.9410	.00015
#3	.09473	.02363	.49422	.03033	4.9067	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**176.04**	**.09726**	**.00174**	**.46619**	**.00206**	**-.00337**
Stddev	1.89	.00080	.00021	.00242	.00036	.00167
%RSD	1.0726	.82688	11.795	.51894	17.348	49.453
#1	178.20	.09819	.00193	.46871	.00189	-.00164
#2	175.22	.09684	.00152	.46389	.00182	-.00351
#3	174.70	.09675	.00178	.46597	.00247	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87160**	**.00383**	**2.0028**	**.17893**	**.00217**	**3.4745**
Stddev	.00749	.00067	.0569	.00099	.00025	.0525
%RSD	.85884	17.427	2.8421	.55443	11.361	1.5114
#1	.86775	.00307	2.0456	.18003	.00245	3.5294
#2	.86682	.00430	2.0246	.17811	.00198	3.4692
#3	.88022	.00412	1.9382	.17864	.00209	3.4248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-L MS Acquired: 11/26/2021 14:24:35 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.45691**	**.00007**	**.10235**	**.12458**	**-.00159**
Stddev	.00051	.00330	.00123	.00286	.00965	.00081
%RSD	18.607	.72285	1665.7	2.7935	7.7432	50.731
#1	.00244	.45973	.00096	.10502	.13466	-.00167
#2	.00249	.45773	.00059	.10269	.12366	-.00236
#3	.00335	.45327	-.00133	.09934	.11543	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21116**	**-.00002**	**-.00127**	**.00521**	**.06041**
Stddev	.00745	.00016	.00117	.00329	.00072
%RSD	3.5305	923.23	92.800	63.140	1.1957
#1	.20282	.00010	-.00159	.00898	.06124
#2	.21717	.00004	.00004	.00381	.06009
#3	.21348	-.00019	-.00224	.00286	.05990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2037.2**	**3469.2**	**53764.**	**4612.6**
Stddev	13.9	27.7	281.	51.0
%RSD	.68250	.79718	.52194	1.1048
#1	2021.6	3437.9	53443.	4555.6
#2	2042.0	3479.1	53961.	4653.6
#3	2048.1	3490.5	53888.	4628.6

Sample Name: 180-130267-A-1-M MSD Acquired: 11/26/2021 14:29:09 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09710**	**.00653**	**.52776**	**.03091**	**4.9476**	**-.00002**
Stddev	.00114	.01496	.02258	.00144	.0061	.00009
%RSD	1.1758	228.90	4.2792	4.6463	.12295	482.43
#1	.09777	-.01067	.55384	.03253	4.9406	.00007
#2	.09578	.01387	.51498	.03039	4.9507	-.00002
#3	.09774	.01641	.51446	.02981	4.9515	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.46**	**.10254**	**.00180**	**.47232**	**.00202**	**-.00349**
Stddev	.82	.00466	.00030	.00217	.00016	.00210
%RSD	.47779	4.5477	16.461	.45988	7.9941	60.197
#1	170.55	.10789	.00209	.47375	.00195	-.00109
#2	172.15	.10045	.00150	.46982	.00220	-.00499
#3	171.67	.09929	.00181	.47339	.00191	-.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79198**	**.00200**	**1.9192**	**.17576**	**.00185**	**3.1397**
Stddev	.05021	.00063	.0357	.00040	.00025	.0296
%RSD	6.3398	31.355	1.8624	.22872	13.453	.94159
#1	.74123	.00129	1.8780	.17566	.00199	3.1058
#2	.84163	.00221	1.9371	.17542	.00200	3.1600
#3	.79307	.00249	1.9424	.17621	.00156	3.1532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-M MSD Acquired: 11/26/2021 14:29:09 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	**.48431**	**.00025**	**.10859**	**.11998**	**-.00099**
Stddev	.00045	.02211	.00197	.00506	.00763	.00011
%RSD	15.480	4.5653	773.32	4.6610	6.3632	10.666
#1	.00324	.50970	-.00187	.11438	.12843	-.00097
#2	.00307	.47390	.00201	.10499	.11359	-.00089
#3	.00239	.46932	.00063	.10640	.11791	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21078**	**.00004**	**.00058**	**.00088**	**.06190**
Stddev	.00404	.00011	.00032	.00266	.00266
%RSD	1.9160	260.78	54.566	303.56	4.2975
#1	.21321	.00006	.00092	.00215	.06495
#2	.21300	-.00007	.00054	-.00218	.06074
#3	.20611	.00013	.00028	.00265	.06003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2020.9**	**3446.1**	**54323.**	**4683.8**
Stddev	74.5	122.8	173.	41.0
%RSD	3.6842	3.5645	.31931	.87471
#1	1935.2	3304.6	54477.	4731.0
#2	2058.3	3508.4	54358.	4657.7
#3	2069.2	3525.3	54135.	4662.5

Sample Name: 180-130267-A-1-K PDS Acquired: 11/26/2021 14:33:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26351**	**5.1575**	F **1.0980**	**1.4568**	**1.4789**	**.51505**
Stddev	.00109	.1266	.0023	.0068	.0284	.00991
%RSD	.41401	2.4555	.20708	.46526	1.9232	1.9241
#1	.26353	5.0208	1.0954	1.4491	1.4530	.50611
#2	.26241	5.2709	1.0997	1.4592	1.5093	.52570
#3	.26459	5.1808	1.0988	1.4619	1.4744	.51332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000			
Low Limit			-.01000			

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**197.07**	**.52503**	**.52292**	**.50408**	**.53391**	**4.9406**
Stddev	2.99	.00035	.00093	.00137	.00201	.0977
%RSD	1.5176	.06718	.17690	.27276	.37625	1.9772
#1	194.00	.52464	.52223	.50567	.53412	4.8524
#2	199.98	.52510	.52256	.50328	.53180	5.0456
#3	197.22	.52533	.52397	.50330	.53580	4.9238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.760**	**.55443**	**26.444**	**.67066**	**.49557**	**25.460**
Stddev	.565	.00984	.503	.00117	.00261	.567
%RSD	2.1933	1.7752	1.9013	.17430	.52668	2.2269
#1	25.324	.54385	26.041	.67175	.49310	25.056
#2	26.399	.56332	27.008	.66943	.49532	26.108
#3	25.559	.55610	26.284	.67081	.49830	25.215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-1-K PDS Acquired: 11/26/2021 14:33:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51766**	**.50571**	**.25039**	F **1.1042**	**1.2657**	**.97988**
Stddev	.00189	.00122	.00224	.0065	.0191	.00110
%RSD	.36567	.24153	.89603	.59142	1.5107	.11202
#1	.51583	.50692	.24874	1.0979	1.2696	.97865
#2	.51755	.50448	.24948	1.1038	1.2825	.98075
#3	.51961	.50573	.25294	1.1109	1.2449	.98023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.0000		
Low Limit				-.01000		

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.69900**	**.51858**	**1.0118**	**.51017**	**.36604**
Stddev	.02637	.00098	.0041	.00955	.00048
%RSD	3.7719	.18921	.40203	1.8720	.13050
#1	.68199	.51843	1.0071	.49918	.36588
#2	.72937	.51767	1.0140	.51649	.36566
#3	.68563	.51962	1.0144	.51484	.36658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1961.2**	**3459.4**	**53626.**	**4676.2**
Stddev	3.3	4.6	194.	53.5
%RSD	.16814	.13278	.36192	1.1436
#1	1964.6	3464.7	53429.	4726.2
#2	1960.9	3457.4	53817.	4619.8
#3	1958.1	3456.2	53633.	4682.7

Sample Name: CCV 4546440 Acquired: 11/26/2021 14:38:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98508**	**24.084**	**.49337**	**2.0012**	**1.9614**	**1.9553**
Stddev	.00324	.184	.00062	.0069	.0176	.0143
%RSD	.32875	.76208	.12509	.34597	.89824	.73104
#1	.98685	23.912	.49348	1.9987	1.9514	1.9483
#2	.98135	24.277	.49392	1.9959	1.9817	1.9717
#3	.98706	24.063	.49270	2.0091	1.9510	1.9458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.722**	**.49151**	**1.9892**	**1.9130**	**1.9489**	**24.011**
Stddev	.517	.00126	.0008	.0116	.0100	.181
%RSD	1.0603	.25665	.03761	.60607	.51092	.75476
#1	48.371	.49026	1.9887	1.9251	1.9598	23.896
#2	49.315	.49149	1.9889	1.9021	1.9402	24.220
#3	48.481	.49278	1.9901	1.9117	1.9466	23.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.03**	**2.0252**	**47.574**	**1.8902**	**1.8932**	F **108.78**
Stddev	.61	.0191	.523	.0059	.0056	.53
%RSD	.50881	.94308	1.0987	.31137	.29862	.48576
#1	118.90	2.0107	47.369	1.8961	1.8880	108.86
#2	119.69	2.0468	48.168	1.8843	1.8923	109.26
#3	118.50	2.0180	47.184	1.8900	1.8992	108.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 14:38:04 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9991**	**.48368**	**.48434**	**.50636**	**1.9442**	**1.8402**
Stddev	.0021	.00213	.00093	.00420	.0176	.0038
%RSD	.10602	.44113	.19230	.83007	.90514	.20408
#1	1.9999	.48196	.48541	.50419	1.9256	1.8425
#2	1.9966	.48606	.48380	.50369	1.9463	1.8422
#3	2.0006	.48301	.48380	.51121	1.9606	1.8358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9460**	**1.9249**	**.94424**	**1.9489**	**1.9127**
Stddev	.0210	.0035	.00205	.0281	.0021
%RSD	1.0784	.18041	.21726	1.4421	.10850
#1	1.9320	1.9257	.94246	1.9245	1.9145
#2	1.9701	1.9211	.94379	1.9796	1.9132
#3	1.9358	1.9279	.94649	1.9424	1.9104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.4**	**3477.3**	**52965.**	**4586.1**
Stddev	1.2	1.1	238.	25.2
%RSD	.06406	.03278	.44917	.55023
#1	1920.7	3476.0	52706.	4610.0
#2	1922.8	3477.8	53175.	4559.7
#3	1920.7	3478.1	53013.	4588.5

Sample Name: CCB8 Acquired: 11/26/2021 14:42:26 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.02585**	**.00412**	**.00301**	**.00015**	**.00017**
Stddev	.00015	.01572	.00221	.00026	.00024	.00011
%RSD	74.860	60.800	53.748	8.7654	160.49	64.103
#1	.00036	-.00811	.00326	.00276	.00042	.00029
#2	.00009	-.03802	.00247	.00329	-.00005	.00009
#3	.00013	-.03143	.00663	.00297	.00008	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00716**	**.00003**	**.00004**	**.00027**	**.00142**	**-.00131**
Stddev	.00467	.00008	.00002	.00012	.00007	.00177
%RSD	65.301	228.91	50.901	43.812	4.6371	134.59
#1	-.00777	-.00002	.00002	.00028	.00138	-.00321
#2	-.01149	.00012	.00005	.00015	.00150	-.00102
#3	-.00221	-.00000	.00006	.00039	.00139	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44626**	**-.00008**	**.00178**	**.00003**	**.01557**	**1.7764**
Stddev	.01230	.00110	.02209	.00003	.00202	.0040
%RSD	2.7560	1339.1	1241.9	93.545	12.976	.22360
#1	.44511	.00113	-.01713	.00005	.01765	1.7730
#2	.45910	-.00101	-.00360	-.00000	.01545	1.7754
#3	.43458	-.00036	.02606	.00003	.01361	1.7807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB8 Acquired: 11/26/2021 14:42:26 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00040**	**-.00191**	**.00874**	**-.00451**	**-.00084**
Stddev	.00059	.00045	.00071	.00099	.00661	.00045
%RSD	320.28	113.47	37.067	11.346	146.44	52.826
#1	-.00054	.00091	-.00226	.00983	-.00488	-.00042
#2	-.00050	.00012	-.00110	.00850	.00227	-.00131
#3	.00049	.00015	-.00238	.00789	-.01093	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00093**	**-.00012**	**.00285**	**.00058**
Stddev	.00740	.00022	.00082	.00429	.00008
%RSD	888.63	23.595	675.11	150.36	13.828
#1	.00634	.00110	-.00053	.00495	.00055
#2	-.00039	.00099	-.00066	.00568	.00052
#3	-.00844	.00068	.00082	-.00208	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2280.1**	**3711.7**	**56865.**	**4706.8**
Stddev	6.3	13.2	162.	31.9
%RSD	.27773	.35568	.28541	.67820
#1	2286.0	3725.3	57049.	4728.9
#2	2273.4	3699.0	56807.	4721.3
#3	2280.8	3710.7	56741.	4670.2

Sample Name: 180-130267-A-2-C Acquired: 11/26/2021 14:47:08 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.00457**	**.00430**	**.05417**	**.43524**	**-.00004**
Stddev	.00043	.01919	.00194	.00017	.00109	.00011
%RSD	23728.	420.04	45.152	.30517	.25059	285.28
#1	.00023	-.02650	.00637	.05435	.43443	-.00013
#2	.00026	.00915	.00252	.05410	.43648	.00008
#3	-.00050	.00365	.00400	.05404	.43479	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**178.34**	**.00034**	**.00254**	**-.00014**	**.00130**	**-.00399**
Stddev	.69	.00003	.00014	.00036	.00052	.00170
%RSD	.38599	8.6832	5.4043	250.32	39.570	42.665
#1	178.37	.00035	.00245	-.00054	.00113	-.00564
#2	179.01	.00036	.00246	-.00006	.00090	-.00410
#3	177.63	.00031	.00269	.00016	.00188	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59313**	**.00078**	**1.9659**	**.15363**	**.00604**	**3.0027**
Stddev	.01175	.00052	.0287	.00075	.00041	.0324
%RSD	1.9815	65.907	1.4612	.48767	6.7371	1.0777
#1	.60573	.00052	1.9432	.15377	.00650	3.0300
#2	.59120	.00138	1.9562	.15430	.00592	2.9670
#3	.58246	.00046	1.9982	.15282	.00572	3.0112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-2-C Acquired: 11/26/2021 14:47:08 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00116**	**-.00141**	**.00353**	**.11326**	**-.00143**
Stddev	.00072	.00078	.00275	.00392	.01434	.00023
%RSD	28.462	67.455	194.71	111.33	12.664	16.174
#1	.00176	.00028	-.00419	.00551	.12923	-.00126
#2	.00318	.00178	-.00137	.00606	.10148	-.00133
#3	.00261	.00141	.00132	-.00100	.10907	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21952**	**.00004**	**.00052**	**.00329**	**.11179**
Stddev	.00663	.00023	.00023	.00366	.00050
%RSD	3.0204	508.25	44.449	111.12	.44657
#1	.22333	.00010	.00034	.00581	.11212
#2	.22337	.00024	.00044	.00496	.11203
#3	.21187	-.00021	.00078	-.00090	.11121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2074.1**	**3531.2**	**54394.**	**4664.9**
Stddev	2.9	2.9	153.	23.1
%RSD	.14038	.08149	.28194	.49527
#1	2075.2	3529.7	54217.	4640.8
#2	2070.8	3529.4	54484.	4667.2
#3	2076.3	3534.6	54482.	4686.8

Sample Name: 180-130267-A-3-C Acquired: 11/26/2021 14:51:46 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.02655**	**.00277**	**.06020**	**.28092**	**-.00001**
Stddev	.00019	.03032	.00153	.00020	.00001	.00008
%RSD	118.85	114.20	55.425	.32945	.00442	1234.0
#1	.00037	.01533	.00422	.06041	.28093	.00004
#2	.00009	.00344	.00117	.06017	.28092	-.00009
#3	.00001	.06087	.00292	.06002	.28090	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**170.04**	**.00066**	**.00135**	**-.00001**	**.00154**	**.01693**
Stddev	.40	.00004	.00020	.00014	.00039	.00202
%RSD	.23535	5.9205	14.561	1621.3	25.468	11.947
#1	169.58	.00065	.00115	.00006	.00150	.01461
#2	170.27	.00070	.00137	-.00017	.00116	.01832
#3	170.27	.00062	.00154	.00008	.00194	.01786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57117**	**.00025**	**1.9716**	**.24217**	**.00361**	**2.9538**
Stddev	.02224	.00102	.0111	.00040	.00017	.0155
%RSD	3.8935	408.78	.56105	.16342	4.8339	.52410
#1	.54593	.00129	1.9620	.24202	.00377	2.9615
#2	.58788	-.00076	1.9837	.24186	.00363	2.9640
#3	.57970	.00022	1.9691	.24261	.00343	2.9360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-3-C Acquired: 11/26/2021 14:51:46 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00077**	**.00046**	**.00364**	**.29737**	**-.00128**
Stddev	.00047	.00221	.00173	.00302	.01043	.00022
%RSD	19.693	286.01	378.21	83.034	3.5088	16.899
#1	.00204	.00068	.00173	.00297	.29058	-.00151
#2	.00222	-.00139	-.00151	.00693	.29214	-.00108
#3	.00294	.00303	.00116	.00101	.30938	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20541**	**.00009**	**-.00116**	**.00315**	**.11334**
Stddev	.01235	.00011	.00070	.00228	.00027
%RSD	6.0137	126.35	60.564	72.573	.24057
#1	.20702	-.00004	-.00192	.00055	.11327
#2	.21688	.00013	-.00053	.00486	.11364
#3	.19233	.00017	-.00103	.00402	.11310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2086.6**	**3535.0**	**54438.**	**4650.5**
Stddev	3.3	10.7	81.	12.1
%RSD	.15649	.30257	.14953	.25961
#1	2083.3	3532.3	54423.	4664.2
#2	2086.6	3525.8	54525.	4641.3
#3	2089.9	3546.7	54364.	4646.0

Sample Name: 180-130267-A-4-C Acquired: 11/26/2021 14:56:25 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00959**	**.00256**	**.06292**	**.44133**	**-.00001**
Stddev	.00022	.01556	.00136	.00099	.00060	.00003
%RSD	77.090	162.37	53.214	1.5705	.13674	281.83
#1	-.00053	-.00564	.00377	.06406	.44088	.00001
#2	-.00010	.02547	.00109	.06245	.44110	-.00005
#3	-.00023	.00893	.00282	.06226	.44201	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**172.79**	**.00046**	**.00146**	**-.00017**	**.00176**	**-.00365**
Stddev	.32	.00018	.00008	.00077	.00045	.00218
%RSD	.18475	39.323	5.2829	468.31	25.581	59.842
#1	172.51	.00059	.00146	.00022	.00192	-.00364
#2	172.72	.00054	.00153	-.00106	.00125	-.00584
#3	173.14	.00026	.00138	.00034	.00211	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48871**	**.00181**	**1.9074**	**.17649**	**.00259**	**2.6431**
Stddev	.03840	.00140	.0902	.00080	.00012	.0080
%RSD	7.8570	77.184	4.7298	.45058	4.7753	.30355
#1	.49997	.00022	1.8361	.17569	.00273	2.6439
#2	.44594	.00286	1.8772	.17650	.00255	2.6347
#3	.52021	.00234	2.0088	.17728	.00250	2.6507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-4-C Acquired: 11/26/2021 14:56:25 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00134**	**.00190**	**.00371**	**.14791**	**-.00096**
Stddev	.00034	.00147	.00132	.00132	.00425	.00040
%RSD	20.823	109.61	69.617	35.624	2.8738	42.128
#1	.00162	.00232	.00095	.00232	.14365	-.00124
#2	.00200	.00206	.00341	.00495	.15215	-.00050
#3	.00132	-.00035	.00134	.00386	.14793	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.21050**	**.00014**	**.00063**	**.00133**	**.12524**
Stddev	.00529	.00007	.00190	.00351	.00033
%RSD	2.5132	48.286	299.73	263.77	.26706
#1	.21641	.00019	.00055	.00537	.12559
#2	.20620	.00006	.00258	-.00095	.12520
#3	.20890	.00015	-.00122	-.00043	.12493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2075.5**	**3544.1**	**54377.**	**4658.2**
Stddev	1.6	4.0	337.	42.8
%RSD	.07501	.11377	.61900	.91899
#1	2074.7	3539.7	54727.	4707.3
#2	2077.3	3547.6	54350.	4638.9
#3	2074.5	3545.1	54055.	4628.5

Sample Name: 180-130267-A-5-C Acquired: 11/26/2021 15:01:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.02959**	**.00430**	**.07269**	**.47374**	**.00007**
Stddev	.00011	.00649	.00186	.00029	.00127	.00012
%RSD	618.86	21.917	43.351	.39538	.26731	179.32
#1	-.00008	-.02852	.00435	.07252	.47491	.00014
#2	-.00009	-.03655	.00613	.07252	.47239	-.00007
#3	.00011	-.02371	.00241	.07302	.47393	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.51**	**.00037**	**.00069**	**-.00007**	**.00140**	**-.00666**
Stddev	.29	.00008	.00022	.00039	.00022	.00427
%RSD	.17114	21.142	31.203	552.54	16.098	64.200
#1	171.20	.00028	.00094	.00010	.00165	-.01157
#2	171.57	.00042	.00061	.00021	.00122	-.00382
#3	171.78	.00041	.00053	-.00052	.00132	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48917**	**.00067**	**1.8488**	**.19218**	**.00245**	**2.6845**
Stddev	.04514	.00135	.0137	.00037	.00026	.0313
%RSD	9.2274	201.92	.74294	.19075	10.790	1.1651
#1	.47058	.00219	1.8558	.19239	.00275	2.6634
#2	.45629	.00019	1.8330	.19239	.00230	2.6695
#3	.54063	-.00037	1.8577	.19176	.00230	2.7204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-5-C Acquired: 11/26/2021 15:01:03 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**-.00030**	**-.00010**	**.00124**	**.24601**	**-.00091**
Stddev	.00025	.00103	.00210	.00117	.00812	.00052
%RSD	13.939	347.23	2021.9	93.851	3.2998	56.394
#1	.00149	-.00091	.00203	.00005	.25512	-.00140
#2	.00189	-.00087	-.00018	.00238	.23952	-.00097
#3	.00195	.00090	-.00217	.00130	.24341	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20437**	**.00003**	**-.00001**	**-.00019**	**.13497**
Stddev	.00316	.00009	.00165	.00076	.00039
%RSD	1.5458	265.50	29008.	407.77	.28840
#1	.20081	.00013	.00087	-.00096	.13526
#2	.20684	-.00003	.00102	-.00015	.13453
#3	.20547	-.00000	-.00190	.00055	.13511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2064.1**	**3510.2**	**54312.**	**4693.3**
Stddev	7.6	13.0	81.	26.8
%RSD	.36606	.37072	.14980	.57167
#1	2062.2	3513.5	54387.	4719.4
#2	2072.4	3521.2	54322.	4694.7
#3	2057.6	3495.8	54225.	4665.8

Sample Name: 180-130267-A-6-C Acquired: 11/26/2021 15:05:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.03006**	**.00308**	**.06299**	**.45394**	**.00019**
Stddev	.00022	.00774	.00138	.00211	.00135	.00004
%RSD	416.88	25.746	44.808	3.3448	.29685	20.907
#1	-.00007	.03852	.00365	.06132	.45246	.00018
#2	.00017	.02333	.00150	.06230	.45428	.00015
#3	-.00026	.02834	.00408	.06536	.45509	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.85**	**.00033**	**.00194**	**-.00017**	**.00086**	**-.00577**
Stddev	.12	.00018	.00015	.00035	.00032	.00507
%RSD	.06996	54.939	7.7445	204.08	37.306	87.812
#1	171.75	.00013	.00187	.00019	.00065	.00006
#2	171.99	.00048	.00185	-.00052	.00069	-.00915
#3	171.82	.00039	.00212	-.00018	.00123	-.00823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49969**	**.00165**	**1.8281**	**.20893**	**.00228**	**2.6050**
Stddev	.00997	.00052	.0192	.00053	.00018	.0161
%RSD	1.9958	31.215	1.0525	.25300	7.7623	.61810
#1	.48876	.00150	1.8095	.20947	.00240	2.5897
#2	.50202	.00123	1.8479	.20889	.00207	2.6035
#3	.50829	.00223	1.8269	.20842	.00236	2.6218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130267-A-6-C Acquired: 11/26/2021 15:05:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**-.00049**	**-.00330**	**.00254**	**.15919**	**-.00080**
Stddev	.00029	.00152	.00270	.00249	.00252	.00042
%RSD	21.332	309.70	81.858	98.233	1.5822	52.403
#1	.00134	-.00185	-.00281	.00162	.16060	-.00116
#2	.00108	.00115	-.00087	.00063	.16069	-.00090
#3	.00165	-.00078	-.00621	.00536	.15628	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19897**	**.00003**	**-.00050**	**.00461**	**.12305**
Stddev	.00210	.00017	.00067	.00244	.00137
%RSD	1.0529	614.54	131.97	52.837	1.1111
#1	.19802	.00022	-.00012	.00672	.12242
#2	.19753	-.00011	-.00012	.00516	.12211
#3	.20138	-.00002	-.00127	.00194	.12462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2053.0**	**3487.3**	**54430.**	**4723.3**
Stddev	18.6	30.7	265.	14.0
%RSD	.90776	.87968	.48725	.29724
#1	2063.2	3499.8	54124.	4716.9
#2	2064.3	3509.7	54590.	4713.6
#3	2031.5	3452.3	54576.	4739.4

Sample Name: MB 180-379959/1-A Acquired: 11/26/2021 15:10:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.02533**	**-.00084**	**.00063**	**-.00004**	**.00013**
Stddev	.00047	.01722	.00114	.00028	.00017	.00007
%RSD	1199.7	67.971	135.26	45.315	370.61	49.757
#1	-.00022	-.01892	.00041	.00095	-.00024	.00015
#2	-.00024	-.04483	-.00112	.00054	.00007	.00019
#3	.00058	-.01224	-.00182	.00040	.00003	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00384**	**.00008**	**.00017**	**.00051**	**.00098**	**-.00394**
Stddev	.00596	.00007	.00015	.00055	.00047	.00122
%RSD	155.17	92.614	88.415	108.10	48.086	30.913
#1	-.00097	.00015	.00003	.00111	.00152	-.00277
#2	.00014	.00000	.00015	.00039	.00071	-.00520
#3	-.01070	.00008	.00034	.00003	.00070	-.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23275**	**-.00167**	**.05414**	**.00011**	**.00128**	**1.1440**
Stddev	.03069	.00035	.00924	.00003	.00029	.0045
%RSD	13.187	21.026	17.060	24.504	22.816	.39250
#1	.19743	-.00135	.05213	.00012	.00102	1.1398
#2	.25297	-.00163	.04608	.00008	.00124	1.1433
#3	.24784	-.00205	.06422	.00012	.00160	1.1487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379959/1-A Acquired: 11/26/2021 15:10:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00063**	**-.00231**	**.00161**	**.00736**	**.00162**
Stddev	.00039	.00167	.00153	.00300	.01313	.00029
%RSD	119.98	264.01	66.270	187.10	178.40	18.120
#1	-.00068	-.00037	-.00077	-.00181	.02036	.00196
#2	.00009	-.00030	-.00234	.00280	.00764	.00146
#3	-.00039	.00257	-.00383	.00383	-.00591	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**.00026**	**-.00120**	**.00204**	**.00127**
Stddev	.00940	.00012	.00022	.00233	.00024
%RSD	192.97	47.057	18.030	114.15	18.745
#1	.01489	.00030	-.00145	.00442	.00148
#2	.00344	.00013	-.00107	-.00024	.00132
#3	-.00373	.00037	-.00108	.00194	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2282.5**	**3726.3**	**57080.**	**4757.1**
Stddev	16.2	23.4	300.	38.2
%RSD	.71108	.62818	.52577	.80274
#1	2263.9	3699.5	56797.	4801.2
#2	2289.5	3736.2	57395.	4735.9
#3	2294.0	3743.0	57048.	4734.3

Sample Name: LCS 180-379959/2-A Acquired: 11/26/2021 15:14:58 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22438**	**4.5790**	**.92447**	**1.1550**	**.92203**	**.46425**
Stddev	.00036	.0164	.00066	.0024	.00152	.00069
%RSD	.16021	.35905	.07089	.20668	.16490	.14775
#1	.22423	4.5979	.92519	1.1571	.92142	.46392
#2	.22411	4.5715	.92392	1.1555	.92375	.46380
#3	.22479	4.5677	.92428	1.1524	.92090	.46504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.126**	**.45325**	**.45508**	**.45907**	**.46376**	**4.5405**
Stddev	.070	.00069	.00073	.00073	.00191	.0163
%RSD	.30132	.15126	.16055	.15801	.41188	.35786
#1	23.179	.45383	.45585	.45984	.46209	4.5358
#2	23.047	.45343	.45440	.45900	.46584	4.5271
#3	23.153	.45249	.45499	.45839	.46334	4.5585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.415**	**.47894**	**22.397**	**.45374**	**.45533**	**22.035**
Stddev	.039	.00071	.094	.00069	.00059	.034
%RSD	.17449	.14724	.41981	.15301	.12859	.15651
#1	22.420	.47908	22.419	.45336	.45509	22.031
#2	22.374	.47818	22.293	.45331	.45600	22.071
#3	22.452	.47957	22.478	.45454	.45490	22.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379959/2-A Acquired: 11/26/2021 15:14:58 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45082**	**.43334**	**.21337**	**.89998**	**.94512**	**.91157**
Stddev	.00053	.00087	.00009	.00211	.00958	.00247
%RSD	.11734	.20039	.04335	.23486	1.0139	.27109
#1	.45137	.43288	.21329	.89775	.93423	.91386
#2	.45031	.43435	.21335	.90196	.95224	.91189
#3	.45079	.43280	.21347	.90022	.94890	.90895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45871**	**.46700**	**.87172**	**.45831**	**.22719**
Stddev	.00310	.00105	.00188	.00443	.00073
%RSD	.67662	.22588	.21538	.96672	.32136
#1	.45552	.46581	.87264	.45418	.22796
#2	.46172	.46782	.87295	.46299	.22712
#3	.45889	.46737	.86955	.45776	.22651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2121.7**	**3610.4**	**55436.**	**4690.1**
Stddev	6.3	14.1	37.	22.1
%RSD	.29701	.38916	.06753	.47046
#1	2114.5	3597.0	55477.	4664.6
#2	2124.6	3609.2	55427.	4702.9
#3	2126.1	3625.0	55403.	4702.7

Sample Name: 180-130246-A-1-C Acquired: 11/26/2021 15:19:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00896**	**.00638**	**.01401**	**.00046**	**-.00002**
Stddev	.00022	.02155	.00138	.00063	.00013	.00014
%RSD	1517.2	240.67	21.645	4.4612	29.318	922.40
#1	-.00020	-.01550	.00797	.01339	.00034	-.00013
#2	.00002	.01720	.00577	.01464	.00044	.00014
#3	.00023	.02517	.00542	.01400	.00060	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09693**	**.00049**	**.00136**	**.00363**	**.02813**	**5.8826**
Stddev	.00204	.00008	.00019	.00015	.00021	.0139
%RSD	2.1013	16.024	14.137	4.2004	.74902	.23682
#1	.09799	.00056	.00120	.00365	.02833	5.8849
#2	.09458	.00051	.00131	.00376	.02791	5.8676
#3	.09822	.00041	.00157	.00346	.02817	5.8952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30710**	**.00430**	**.06121**	**.03559**	**.00699**	**1.6074**
Stddev	.03314	.00137	.02632	.00010	.00044	.0024
%RSD	10.791	31.928	43.001	.28562	6.3458	.15137
#1	.26883	.00542	.05065	.03571	.00747	1.6052
#2	.32646	.00277	.04181	.03551	.00691	1.6070
#3	.32601	.00472	.09117	.03556	.00659	1.6100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C Acquired: 11/26/2021 15:19:18 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.00120**	**-.00071**	**.01200**	**.01790**	**.03504**
Stddev	.00050	.00048	.00168	.00206	.00681	.00059
%RSD	16.066	40.036	236.52	17.147	38.062	1.6740
#1	.00256	.00072	-.00252	.00962	.01182	.03571
#2	.00328	.00119	.00079	.01320	.02527	.03462
#3	.00352	.00168	-.00039	.01318	.01663	.03479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.00111**	**-.00232**	**.00139**	**.06301**
Stddev	.00570	.00016	.00039	.00206	.00096
%RSD	369.14	14.012	16.998	148.20	1.5205
#1	.00066	.00098	-.00264	.00186	.06254
#2	-.00801	.00128	-.00188	.00318	.06411
#3	.00272	.00108	-.00244	-.00086	.06238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2313.2**	**3713.5**	**58162.**	**4849.0**
Stddev	36.6	58.0	464.	12.7
%RSD	1.5827	1.5628	.79835	.26158
#1	2334.2	3750.1	57849.	4834.9
#2	2270.9	3646.5	58695.	4853.0
#3	2334.4	3743.7	57941.	4859.3

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/26/2021 15:23:56 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00800**	**.00065**	**.00369**	**.00013**	**.00004**
Stddev	.00031	.00395	.00236	.00027	.00006	.00014
%RSD	188.98	49.401	366.55	7.3694	46.412	351.81
#1	-.00026	-.00791	.00007	.00390	.00006	.00010
#2	-.00041	-.01200	.00325	.00379	.00016	-.00012
#3	.00018	-.00409	-.00138	.00339	.00017	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02045**	**-.00004**	**.00023**	**.00088**	**.00578**	**1.1632**
Stddev	.00181	.00008	.00002	.00033	.00042	.0109
%RSD	8.8507	182.21	7.8029	37.151	7.3317	.93694
#1	.02131	-.00000	.00022	.00124	.00577	1.1520
#2	.02167	.00001	.00025	.00060	.00621	1.1639
#3	.01837	-.00014	.00022	.00080	.00536	1.1737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23198**	**-.00070**	**.01411**	**.00740**	**.00224**	**.98177**
Stddev	.01795	.00060	.04200	.00022	.00018	.01351
%RSD	7.7381	85.445	297.67	2.9792	7.8953	1.3758
#1	.24368	-.00126	-.02694	.00765	.00239	.96707
#2	.24094	-.00077	.01228	.00730	.00229	.98459
#3	.21131	-.00007	.05699	.00725	.00205	.99364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1C SD@5 Acquired: 11/26/2021 15:23:56 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00045**	**-.00109**	**.00162**	**.01230**	**.00564**
Stddev	.00048	.00269	.00129	.00232	.01220	.00040
%RSD	214.60	601.09	118.22	142.91	99.131	7.1751
#1	.00078	.00080	-.00037	.00124	.02620	.00576
#2	-.00003	-.00240	-.00257	-.00048	.00731	.00519
#3	-.00008	.00294	-.00032	.00411	.00340	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.00045**	**-.00091**	**.00361**	**.01281**
Stddev	.00480	.00008	.00034	.00227	.00007
%RSD	322.14	17.565	37.810	62.707	.55825
#1	-.00458	.00037	-.00051	.00535	.01273
#2	-.00393	.00044	-.00111	.00444	.01287
#3	.00404	.00053	-.00111	.00105	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2319.1**	**3753.5**	**56387.**	**4802.2**
Stddev	6.4	4.3	1320.	19.9
%RSD	.27809	.11358	2.3417	.41386
#1	2325.3	3758.3	54890.	4820.4
#2	2319.7	3750.2	57387.	4805.2
#3	2312.4	3752.0	56885.	4781.0

Sample Name: 180-130246-A-1-D MS Acquired: 11/26/2021 15:28:36 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18358**	**3.8489**	**.78340**	**.99331**	**.77412**	**.38651**
Stddev	.00045	.0193	.02371	.02630	.00133	.00170
%RSD	.24718	.50036	3.0268	2.6482	.17167	.44078
#1	.18334	3.8312	.76721	.97822	.77348	.38458
#2	.18330	3.8694	.77237	.97803	.77565	.38778
#3	.18411	3.8461	.81061	1.0237	.77324	.38719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.430**	**.38795**	**.39630**	**.38986**	**.42036**	**9.3426**
Stddev	.023	.01051	.01107	.00313	.00260	.0567
%RSD	.11589	2.7100	2.7922	.80336	.61949	.60656
#1	19.412	.38148	.38896	.39257	.41996	9.2982
#2	19.456	.38230	.39090	.38643	.41797	9.4065
#3	19.423	.40009	.40902	.39056	.42313	9.3232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.710**	**.40656**	**18.792**	**.41147**	**.38709**	**19.199**
Stddev	.080	.00147	.080	.00106	.01085	.148
%RSD	.42888	.36143	.42679	.25791	2.8032	.76944
#1	18.636	.40697	18.738	.41222	.37967	19.042
#2	18.795	.40778	18.754	.41026	.38206	19.335
#3	18.699	.40493	18.884	.41194	.39955	19.222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-D MS Acquired: 11/26/2021 15:28:36 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39108**	**.37384**	**.17488**	**.76997**	**.80016**	**.77679**
Stddev	.01064	.01022	.00474	.02597	.00705	.01907
%RSD	2.7201	2.7351	2.7119	3.3727	.88112	2.4553
#1	.38420	.36734	.17243	.75339	.80396	.76458
#2	.38571	.36855	.17186	.75663	.79203	.76703
#3	.40334	.38563	.18034	.79990	.80450	.79877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.37985**	**.38654**	**.75580**	**.38383**	**.24706**
Stddev	.01889	.00012	.01912	.00278	.00642
%RSD	4.9739	.03146	2.5300	.72485	2.5996
#1	.36382	.38658	.74343	.38596	.24260
#2	.40068	.38641	.74615	.38483	.24415
#3	.37504	.38664	.77782	.38068	.25442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2101.4**	**3568.5**	**55729.**	**4761.8**
Stddev	44.5	73.7	250.	26.4
%RSD	2.1190	2.0653	.44796	.55535
#1	2131.3	3612.7	55488.	4779.6
#2	2122.6	3609.3	55986.	4731.5
#3	2050.2	3483.4	55713.	4774.5

Sample Name: CCV 4546440 Acquired: 11/26/2021 15:32:58 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98328**	**23.581**	**.49426**	**2.0019**	**1.9141**	**1.8832**
Stddev	.00637	.107	.00983	.0288	.0098	.0087
%RSD	.64803	.45506	1.9894	1.4407	.51007	.46079
#1	.97742	23.648	.50560	2.0350	1.9228	1.8906
#2	.99006	23.457	.48898	1.9891	1.9036	1.8737
#3	.98234	23.638	.48819	1.9817	1.9160	1.8854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.675**	**.49013**	**1.9916**	**1.9105**	**1.9591**	**23.122**
Stddev	.043	.00723	.0324	.0118	.0083	.101
%RSD	.08955	1.4759	1.6277	.61542	.42451	.43596
#1	47.724	.49845	2.0289	1.8978	1.9500	23.204
#2	47.647	.48665	1.9752	1.9210	1.9663	23.009
#3	47.654	.48530	1.9707	1.9128	1.9609	23.153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.00**	**1.9961**	**46.070**	**1.8723**	**1.8919**	F **111.02**
Stddev	.53	.0091	.188	.0128	.0255	.69
%RSD	.46013	.45448	.40768	.68362	1.3497	.62262
#1	115.48	2.0065	46.276	1.8591	1.9213	111.48
#2	114.43	1.9898	46.025	1.8846	1.8758	110.22
#3	115.08	1.9919	45.909	1.8732	1.8785	111.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 15:32:58 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9959**	**.48526**	**.48528**	**.50176**	**1.8483**	**1.8426**
Stddev	.0315	.00887	.00944	.00830	.0022	.0307
%RSD	1.5760	1.8287	1.9458	1.6539	.11900	1.6659
#1	2.0318	.49525	.49616	.51115	1.8502	1.8780
#2	1.9831	.48222	.48054	.49871	1.8489	1.8260
#3	1.9729	.47830	.47915	.49541	1.8459	1.8237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8774**	**1.9084**	**.94490**	**1.8995**	**1.9048**
Stddev	.0184	.0096	.01665	.0009	.0317
%RSD	.98058	.50117	1.7623	.04822	1.6647
#1	1.8721	1.8999	.96373	1.8998	1.9413
#2	1.8623	1.9188	.93888	1.8984	1.8890
#3	1.8979	1.9067	.93210	1.9001	1.8840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1934.1**	**3500.7**	**53523.**	**4742.4**
Stddev	27.0	50.3	299.	12.1
%RSD	1.3940	1.4382	.55888	.25613
#1	1903.3	3443.0	53828.	4746.2
#2	1945.5	3523.3	53231.	4728.7
#3	1953.4	3535.8	53509.	4752.1

Sample Name: CCB9 Acquired: 11/26/2021 15:37:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00729**	**.00340**	**.00213**	**.00019**	**.00003**
Stddev	.00015	.02936	.00212	.00068	.00027	.00009
%RSD	195.01	402.77	62.350	32.149	140.69	267.87
#1	-.00009	-.01709	.00240	.00185	.00050	.00004
#2	.00011	.02572	.00583	.00291	-.00000	.00012
#3	.00020	-.03050	.00197	.00163	.00008	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00823**	**-.00006**	**-.00010**	**.00009**	**.00137**	**-.00579**
Stddev	.00218	.00009	.00027	.00027	.00063	.00434
%RSD	26.497	161.88	273.44	317.54	45.926	74.997
#1	-.00588	-.00010	-.00020	.00003	.00097	-.00995
#2	-.01018	.00005	.00021	-.00016	.00209	-.00613
#3	-.00865	-.00012	-.00030	.00038	.00104	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20829**	**-.00073**	**-.00650**	**.00003**	**.01419**	**.87932**
Stddev	.01818	.00151	.03140	.00005	.00204	.01839
%RSD	8.7291	206.02	483.21	157.50	14.387	2.0911
#1	.18873	-.00230	.01732	-.00002	.01631	.88540
#2	.22468	.00070	.00526	.00004	.01405	.89390
#3	.21146	-.00060	-.04208	.00008	.01223	.85866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB9 Acquired: 11/26/2021 15:37:20 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00052**	**.00117**	**.00648**	**-.00166**	**-.00103**
Stddev	.00042	.00124	.00109	.00138	.00590	.00071
%RSD	15441.	239.16	92.790	21.235	354.48	68.741
#1	-.00041	-.00075	-.00004	.00789	.00507	-.00174
#2	.00043	.00172	.00207	.00640	-.00413	-.00100
#3	-.00001	.00059	.00147	.00514	-.00594	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00078**	**-.00060**	**.00256**	**.00050**
Stddev	.00847	.00008	.00078	.00526	.00003
%RSD	6662.1	10.018	129.20	205.61	6.5418
#1	.00530	.00087	-.00150	-.00338	.00051
#2	-.00964	.00076	-.00016	.00663	.00047
#3	.00472	.00072	-.00014	.00443	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2282.3**	**3708.4**	**57137.**	**4742.8**
Stddev	10.5	8.7	71.	42.8
%RSD	.46166	.23491	.12434	.90142
#1	2270.2	3698.4	57202.	4782.2
#2	2287.2	3713.3	57061.	4697.3
#3	2289.5	3713.7	57147.	4749.0

Sample Name: 180-130246-A-1-E MSD Acquired: 11/26/2021 15:42:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19358**	**3.8939**	**.80376**	**1.0460**	**.78770**	**.39359**
Stddev	.00075	.1053	.00091	.0027	.02870	.01439
%RSD	.38838	2.7032	.11271	.25542	3.6440	3.6560
#1	.19389	3.8060	.80479	1.0490	.75801	.37776
#2	.19413	3.8652	.80308	1.0447	.78978	.39711
#3	.19272	4.0106	.80342	1.0442	.81530	.40588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.665**	**.40015**	**.40795**	**.40584**	**.44133**	**10.525**
Stddev	.637	.00045	.00055	.00108	.00141	.357
%RSD	3.2397	.11241	.13450	.26510	.31940	3.3962
#1	19.012	.39985	.40841	.40465	.44177	10.147
#2	19.697	.39993	.40809	.40675	.44247	10.571
#3	20.285	.40067	.40734	.40611	.43976	10.857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.020**	**.41143**	**19.030**	**.43983**	**.40600**	**19.613**
Stddev	.707	.01372	.673	.00075	.00068	.742
%RSD	3.7160	3.3355	3.5358	.16964	.16796	3.7848
#1	18.249	.39753	18.296	.43938	.40546	18.811
#2	19.174	.41180	19.177	.44069	.40677	19.750
#3	19.637	.42496	19.617	.43943	.40578	20.277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-E MSD Acquired: 11/26/2021 15:42:02 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40720**	**.38110**	**.18233**	**.80702**	**.83979**	**.79492**
Stddev	.00141	.00103	.00214	.00186	.03419	.00028
%RSD	.34535	.27036	1.1732	.23092	4.0717	.03539
#1	.40815	.38013	.17996	.80877	.80064	.79460
#2	.40558	.38098	.18412	.80506	.85493	.79513
#3	.40786	.38218	.18291	.80722	.86379	.79503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.38877**	**.40867**	**.77407**	**.38432**	**.27213**
Stddev	.02055	.00068	.00276	.01232	.00043
%RSD	5.2854	.16648	.35609	3.2044	.15686
#1	.36725	.40896	.77551	.37023	.27164
#2	.39088	.40917	.77580	.38974	.27231
#3	.40819	.40790	.77089	.39301	.27243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2133.3**	**3624.0**	**55726.**	**4907.2**
Stddev	6.4	8.8	147.	119.6
%RSD	.29842	.24330	.26461	2.4380
#1	2126.2	3616.9	55840.	5038.2
#2	2135.2	3621.3	55559.	4879.8
#3	2138.5	3633.9	55777.	4803.7

Sample Name: 180-130246-A-1-C PDS Acquired: 11/26/2021 15:46:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24963**	**5.0495**	**.98538**	**1.3158**	**.98259**	**.49188**
Stddev	.00080	.0336	.00363	.0026	.00252	.00178
%RSD	.31900	.66501	.36856	.19507	.25648	.36282
#1	.24900	5.0763	.98120	1.3148	.98474	.49212
#2	.25052	5.0603	.98723	1.3187	.97982	.49354
#3	.24936	5.0119	.98772	1.3139	.98322	.48999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.704**	**.48324**	**.49168**	**.48613**	**.52503**	**10.734**
Stddev	.103	.00090	.00175	.00214	.00207	.007
%RSD	.40121	.18617	.35632	.43991	.39389	.06757
#1	25.823	.48242	.49284	.48848	.52325	10.726
#2	25.642	.48420	.49254	.48563	.52730	10.738
#3	25.646	.48310	.48967	.48429	.52453	10.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.964**	**.51604**	**25.004**	**.51402**	**.48221**	**25.449**
Stddev	.174	.00147	.124	.00104	.00160	.075
%RSD	.69669	.28556	.49501	.20245	.33218	.29520
#1	25.098	.51761	25.146	.51444	.48043	25.523
#2	25.027	.51469	24.946	.51479	.48353	25.452
#3	24.767	.51582	24.919	.51284	.48266	25.373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130246-A-1-C PDS Acquired: 11/26/2021 15:46:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48498**	**.46604**	**.23548**	**.98396**	**1.0760**	**.95386**
Stddev	.00104	.00274	.00356	.00750	.0159	.00310
%RSD	.21525	.58791	1.5118	.76204	1.4751	.32535
#1	.48385	.46919	.23161	.97559	1.0926	.95218
#2	.48591	.46475	.23862	.98623	1.0609	.95744
#3	.48519	.46418	.23621	.99007	1.0746	.95195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48764**	**.49336**	**.93822**	**.48649**	**.30617**
Stddev	.01237	.00081	.00156	.00101	.00038
%RSD	2.5375	.16417	.16665	.20821	.12285
#1	.49712	.49294	.93971	.48760	.30621
#2	.49215	.49430	.93659	.48562	.30652
#3	.47364	.49285	.93835	.48624	.30577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2129.1**	**3656.3**	**56279.**	**4752.7**
Stddev	5.3	4.7	29.	54.3
%RSD	.24837	.12927	.05157	1.1426
#1	2126.7	3656.2	56296.	4696.9
#2	2125.4	3651.6	56245.	4755.7
#3	2135.2	3661.0	56295.	4805.4

Sample Name: MB 180-379963/1-A Acquired: 11/26/2021 15:50:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00767**	**.00444**	**.00224**	**.00024**	**.00007**
Stddev	.00010	.01239	.00230	.00012	.00008	.00007
%RSD	203.79	161.56	51.792	5.4957	34.026	106.82
#1	-.00003	.01214	.00358	.00210	.00028	.00015
#2	.00017	.01720	.00704	.00232	.00015	.00000
#3	.00002	-.00634	.00269	.00230	.00030	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.00002**	**-.00025**	**.00072**	**.00069**	**-.00026**
Stddev	.00387	.00010	.00009	.00038	.00105	.00500
%RSD	37.432	628.56	35.637	52.048	152.58	1896.4
#1	.01206	-.00005	-.00022	.00070	-.00031	-.00603
#2	.00590	.00013	-.00017	.00112	.00059	.00259
#3	.01304	-.00003	-.00034	.00036	.00178	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22481**	**-.00048**	**.03745**	**.00017**	**.00572**	**.79169**
Stddev	.02051	.00114	.03288	.00005	.00071	.01196
%RSD	9.1227	236.69	87.773	29.439	12.345	1.5111
#1	.24671	-.00097	.05550	.00022	.00604	.80504
#2	.22165	.00082	.05736	.00012	.00622	.78194
#3	.20605	-.00129	-.00049	.00017	.00492	.78809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-379963/1-A Acquired: 11/26/2021 15:50:43 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00064**	**-.00060**	**.00803**	**-.00322**	**.00367**
Stddev	.00049	.00078	.00070	.00417	.00741	.00036
%RSD	457.33	122.33	117.18	51.940	229.77	9.7560
#1	-.00046	-.00020	-.00011	.01283	-.01169	.00327
#2	.00045	.00078	-.00028	.00595	.00203	.00379
#3	.00033	.00135	-.00141	.00531	-.00000	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.00058**	**-.00040**	**.00035**	**.00324**
Stddev	.00146	.00025	.00068	.00348	.00026
%RSD	16.579	43.199	169.98	985.93	8.0957
#1	.00955	.00086	.00025	.00041	.00295
#2	.00977	.00049	-.00034	.00381	.00347
#3	.00713	.00038	-.00112	-.00316	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2261.1**	**3675.1**	**57537.**	**4786.1**
Stddev	60.7	94.5	52.	10.6
%RSD	2.6835	2.5706	.09007	.22249
#1	2305.9	3740.5	57542.	4774.4
#2	2192.1	3566.8	57483.	4788.5
#3	2285.3	3718.0	57586.	4795.3

Sample Name: LCS 180-379963/2-A Acquired: 11/26/2021 15:55:24 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23045**	**4.5905**	**.93344**	**1.1661**	**.91869**	**.46120**
Stddev	.00468	.0491	.00688	.0120	.00152	.00229
%RSD	2.0317	1.0705	.73662	1.0321	.16578	.49678
#1	.22511	4.6402	.94109	1.1800	.92026	.46379
#2	.23239	4.5894	.92778	1.1596	.91861	.45943
#3	.23385	4.5419	.93145	1.1588	.91721	.46037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.315**	**.45657**	**.46116**	**.47335**	**.47708**	**4.5319**
Stddev	.066	.00330	.00388	.01063	.00875	.0313
%RSD	.28444	.72340	.84036	2.2466	1.8336	.69081
#1	23.359	.46037	.46533	.46107	.46720	4.5636
#2	23.348	.45437	.46047	.47968	.48022	4.5313
#3	23.239	.45496	.45767	.47929	.48383	4.5010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.360**	**.47900**	**22.533**	**.46406**	**.46209**	**22.308**
Stddev	.154	.00173	.126	.01058	.00306	.237
%RSD	.68900	.36134	.55718	2.2803	.66295	1.0637
#1	22.532	.47759	22.677	.45200	.46556	22.558
#2	22.235	.48093	22.470	.46844	.45979	22.086
#3	22.314	.47847	22.450	.47176	.46090	22.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-379963/2-A Acquired: 11/26/2021 15:55:24 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45509**	**.43804**	**.21310**	**.90296**	**.93328**	**.88672**
Stddev	.00438	.00554	.00155	.00724	.01489	.00805
%RSD	.96166	1.2643	.72755	.80188	1.5950	.90831
#1	.46012	.44438	.21471	.91129	.94540	.89598
#2	.45302	.43561	.21161	.89940	.91666	.88284
#3	.45213	.43414	.21298	.89819	.93777	.88134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.45878**	**.47508**	**.88070**	**.45786**	**.22977**
Stddev	.00567	.00968	.00859	.00853	.00176
%RSD	1.2361	2.0368	.97563	1.8626	.76799
#1	.46461	.46399	.89038	.46703	.23170
#2	.45328	.47940	.87775	.45016	.22825
#3	.45844	.48184	.87398	.45640	.22935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2096.5**	**3582.6**	**54086.**	**4669.3**
Stddev	20.0	33.2	1003.	43.8
%RSD	.95479	.92623	1.8551	.93720
#1	2073.5	3544.3	55225.	4619.6
#2	2106.5	3602.6	53697.	4686.3
#3	2109.7	3600.9	53335.	4701.9

Sample Name: 180-130293-D-2-A Acquired: 11/26/2021 15:59:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**2.0427**	**.01254**	**.00916**	**.00563**	**.00004**
Stddev	.00023	.0054	.00300	.00039	.00020	.00017
%RSD	37.300	.26399	23.942	4.2929	3.5626	429.46
#1	.00057	2.0392	.01440	.00959	.00546	-.00014
#2	.00085	2.0489	.01414	.00907	.00558	.00007
#3	.00040	2.0400	.00907	.00881	.00585	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79150**	**.00009**	**.00131**	**.00991**	**.02248**	**1.2601**
Stddev	.00449	.00019	.00024	.00044	.00029	.0009
%RSD	.56685	206.86	18.304	4.4579	1.2808	.07060
#1	.79638	.00015	.00136	.01024	.02281	1.2595
#2	.78756	-.00012	.00105	.00941	.02235	1.2597
#3	.79056	.00024	.00152	.01008	.02228	1.2611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71202**	**.00045**	**1.9441**	**.05279**	**.00583**	F **304.55**
Stddev	.01871	.00049	.0347	.00014	.00050	.54
%RSD	2.6280	108.16	1.7822	.25597	8.6092	.17778
#1	.72050	.00005	1.9094	.05291	.00630	304.99
#2	.69057	.00100	1.9443	.05264	.00588	303.94
#3	.72500	.00031	1.9787	.05281	.00530	304.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Sample Name: 180-130293-D-2-A Acquired: 11/26/2021 15:59:45 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01860**	**.03958**	**.01671**	**.00753**	**.12661**	F **59.006**
Stddev	.00088	.00097	.00027	.00312	.00952	.314
%RSD	4.7137	2.4402	1.6166	41.503	7.5228	.53231
#1	.01815	.03848	.01694	.00456	.11956	58.966
#2	.01961	.04026	.01678	.00723	.12283	59.338
#3	.01804	.04001	.01641	.01079	.13745	58.713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						4.0000
Low Limit						-.10000

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16962**	**.00096**	**-.00084**	**.00389**	**.02067**
Stddev	.01261	.00005	.00026	.00079	.00011
%RSD	7.4347	5.1858	31.306	20.331	.54821
#1	.18411	.00094	-.00078	.00435	.02068
#2	.16359	.00101	-.00062	.00298	.02077
#3	.16115	.00092	-.00113	.00435	.02055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1988.3**	**3516.5**	**52991.**	**4656.8**
Stddev	5.9	16.2	130.	3.4
%RSD	.29444	.45947	.24560	.07231
#1	1991.5	3513.6	52851.	4658.5
#2	1981.5	3502.0	53013.	4652.9
#3	1991.8	3533.9	53108.	4659.0

Sample Name: 180-130293-D-2-A@25 Acquired: 11/26/2021 16:04:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.08421**	**.00087**	**.00173**	**.00026**	**.00005**
Stddev	.00061	.01354	.00246	.00024	.00025	.00001
%RSD	475.74	16.074	281.41	13.796	95.077	28.569
#1	-.00017	.09983	.00227	.00170	.00045	.00006
#2	.00083	.07677	.00232	.00151	.00036	.00006
#3	-.00028	.07602	-.00197	.00199	-.00002	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03901**	**.00002**	**-.00009**	**.00081**	**.00199**	**.04796**
Stddev	.00176	.00007	.00009	.00046	.00100	.00169
%RSD	4.5023	414.37	100.60	56.460	50.230	3.5253
#1	.04098	-.00005	-.00019	.00096	.00099	.04618
#2	.03845	.00009	-.00004	.00029	.00299	.04954
#3	.03760	.00001	-.00004	.00117	.00200	.04817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16167**	**-.00129**	**.09282**	**.00217**	**.00240**	**13.637**
Stddev	.01374	.00134	.03175	.00020	.00016	.050
%RSD	8.4998	103.80	34.202	9.2838	6.6872	.36614
#1	.14628	-.00281	.06304	.00236	.00259	13.672
#2	.17271	-.00080	.08919	.00196	.00232	13.660
#3	.16601	-.00027	.12622	.00220	.00230	13.580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130293-D-2-A@25 Acquired: 11/26/2021 16:04:33 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00138**	**-.00148**	**.00202**	**.00847**	**2.6364**
Stddev	.00029	.00060	.00125	.00358	.00588	.0065
%RSD	28.629	43.335	84.803	177.25	69.335	.24511
#1	.00127	.00119	-.00221	-.00069	.00890	2.6307
#2	.00070	.00205	-.00219	.00067	.00240	2.6435
#3	.00107	.00090	-.00003	.00608	.01413	2.6351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01311**	**.00009**	**-.00126**	**.00201**	**.00257**
Stddev	.00713	.00007	.00060	.00409	.00016
%RSD	54.415	71.455	47.622	203.13	6.2315
#1	.01187	.00010	-.00069	-.00188	.00239
#2	.02078	.00016	-.00188	.00164	.00262
#3	.00668	.00002	-.00120	.00627	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2274.6**	**3728.0**	**59262.**	**4757.3**
Stddev	5.8	11.0	4021.	18.6
%RSD	.25674	.29375	6.7852	.39154
#1	2281.0	3738.0	55557.	4735.9
#2	2269.6	3716.3	63538.	4766.6
#3	2273.1	3729.6	58692.	4769.5

Sample Name: 180-130105-A-8-A@2 Acquired: 11/26/2021 16:09:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**-.01303**	**.00547**	**.05987**	**.52811**	**.00002**
Stddev	.00020	.00946	.00281	.00075	.00404	.00012
%RSD	29.491	72.609	51.378	1.2479	.76429	802.89
#1	-.00092	-.00752	.00279	.05983	.52550	.00007
#2	-.00054	-.00762	.00840	.06064	.52607	.00010
#3	-.00061	-.02396	.00523	.05915	.53276	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**262.92**	**.00015**	**.00247**	**.00001**	**-.00499**	**.06493**
Stddev	1.13	.00016	.00006	.00017	.00100	.00293
%RSD	.42948	109.19	2.2765	1277.2	20.029	4.5065
#1	261.96	.00009	.00249	.00021	-.00599	.06778
#2	262.62	.00002	.00251	-.00008	-.00500	.06193
#3	264.16	.00033	.00241	-.00010	-.00399	.06508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6800**	**.12274**	**315.20**	**.32157**	**.00371**	F **628.47**
Stddev	.0514	.00167	2.35	.00134	.00034	3.75
%RSD	.90462	1.3637	.74540	.41634	9.1468	.59624
#1	5.6319	.12147	313.07	.32014	.00393	626.72
#2	5.6740	.12211	314.80	.32178	.00332	632.77
#3	5.7341	.12464	317.72	.32280	.00388	625.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130105-A-8-A@2 Acquired: 11/26/2021 16:09:13 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00607**	**.00136**	**-.00552**	**.00435**	**3.1508**	**.00132**
Stddev	.00027	.00275	.00064	.00071	.0502	.00042
%RSD	4.3665	202.32	11.650	16.264	1.5944	31.919
#1	.00637	.00385	-.00615	.00504	3.1388	.00087
#2	.00587	-.00159	-.00553	.00439	3.1076	.00139
#3	.00597	.00181	-.00487	.00363	3.2059	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **66.507**	**-.00227**	**-.00118**	**.00292**	**.00465**
Stddev	.565	.00009	.00036	.00085	.00015
%RSD	.84976	4.1747	30.453	29.094	3.3035
#1	66.168	-.00217	-.00102	.00303	.00469
#2	66.194	-.00229	-.00093	.00370	.00448
#3	67.160	-.00236	-.00160	.00201	.00478
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000				
Low Limit	-.05000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1695.4**	**3164.4**	**47875.**	**4379.4**
Stddev	8.0	18.4	124.	23.8
%RSD	.47200	.58097	.25808	.54402
#1	1686.1	3143.3	48016.	4405.0
#2	1700.0	3173.1	47787.	4375.3
#3	1700.0	3176.9	47822.	4357.9

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:14:00 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95751**	**23.372**	**.47827**	**1.9465**	**1.8936**	**1.8911**
Stddev	.00167	.105	.00441	.0172	.0024	.0085
%RSD	.17431	.45082	.92170	.88508	.12919	.45043
#1	.95682	23.400	.47404	1.9321	1.8961	1.8923
#2	.95941	23.256	.48283	1.9656	1.8913	1.8821
#3	.95630	23.461	.47793	1.9419	1.8933	1.8990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.366**	**.48029**	**1.9447**	**1.8607**	**1.8799**	**23.211**
Stddev	.095	.00294	.0153	.0072	.0013	.091
%RSD	.20149	.61194	.78831	.38400	.07028	.39422
#1	47.435	.47775	1.9319	1.8624	1.8794	23.197
#2	47.257	.48351	1.9617	1.8668	1.8814	23.128
#3	47.406	.47962	1.9405	1.8528	1.8789	23.309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.99**	**1.9673**	**46.076**	**1.8406**	**1.8464**	**113.65**
Stddev	.46	.0010	.115	.0011	.0156	.37
%RSD	.39893	.05162	.24903	.05937	.84478	.32271
#1	116.15	1.9674	46.097	1.8418	1.8314	113.81
#2	115.47	1.9662	45.952	1.8397	1.8625	113.24
#3	116.35	1.9682	46.179	1.8403	1.8453	113.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:14:00 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9541**	**.47468**	**.46920**	**.47638**	**1.8568**	F **1.7962**
Stddev	.0147	.00155	.00528	.00824	.0115	.0135
%RSD	.75057	.32568	1.1251	1.7289	.61669	.75313
#1	1.9405	.47382	.46400	.46688	1.8672	1.7878
#2	1.9697	.47646	.47455	.48160	1.8445	1.8118
#3	1.9522	.47375	.46906	.48065	1.8586	1.7890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8895**	**1.8689**	**.92759**	**1.8865**	**1.8769**
Stddev	.0071	.0012	.00870	.0114	.0137
%RSD	.37524	.06178	.93834	.60400	.73177
#1	1.8972	1.8678	.92053	1.8996	1.8684
#2	1.8832	1.8688	.93732	1.8799	1.8927
#3	1.8882	1.8701	.92494	1.8799	1.8694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1959.3**	**3549.9**	**54034.**	**4650.9**
Stddev	14.0	24.4	164.	31.9
%RSD	.71588	.68603	.30339	.68521
#1	1971.1	3566.0	53928.	4654.7
#2	1943.8	3521.9	53952.	4680.7
#3	1963.0	3561.8	54223.	4617.3

Sample Name: CCB10 Acquired: 11/26/2021 16:18:22 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00969**	**.00286**	**.00171**	**.00023**	**.00010**
Stddev	.00027	.01462	.00076	.00029	.00008	.00002
%RSD	212.19	150.81	26.391	17.087	33.980	16.420
#1	-.00015	-.00043	.00278	.00179	.00015	.00010
#2	.00040	-.02654	.00215	.00138	.00031	.00012
#3	.00013	-.00211	.00366	.00195	.00025	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00727**	**-.00006**	**.00002**	**.00035**	**.00134**	**-.00412**
Stddev	.00183	.00002	.00009	.00011	.00016	.00522
%RSD	25.215	28.914	438.06	32.085	11.626	126.81
#1	-.00560	-.00007	.00005	.00031	.00123	.00018
#2	-.00699	-.00006	-.00008	.00047	.00128	-.00260
#3	-.00923	-.00004	.00010	.00025	.00152	-.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16330**	**-.00164**	**.03971**	**.00006**	**.01436**	**.70560**
Stddev	.02172	.00188	.02646	.00003	.00228	.00423
%RSD	13.302	114.81	66.629	50.309	15.900	.59983
#1	.14761	-.00328	.04909	.00003	.01680	.70769
#2	.15421	.00041	.00984	.00009	.01402	.70839
#3	.18810	-.00205	.06019	.00006	.01227	.70073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB10 Acquired: 11/26/2021 16:18:22 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00064**	**-.00066**	**.00576**	**-.00047**	**.00021**
Stddev	.00038	.00176	.00325	.00251	.00696	.00031
%RSD	130.92	274.53	489.59	43.497	1496.6	149.03
#1	-.00013	.00267	.00082	.00572	.00700	-.00006
#2	.00039	-.00043	-.00439	.00327	-.00162	.00054
#3	.00062	-.00031	.00158	.00828	-.00678	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00700**	**.00056**	**-.00004**	**.00426**	**.00062**
Stddev	.00570	.00008	.00093	.00069	.00009
%RSD	81.436	13.343	2580.7	16.306	14.506
#1	.00158	.00049	.00015	.00485	.00053
#2	.00646	.00056	-.00104	.00444	.00071
#3	.01294	.00064	.00078	.00349	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2314.9**	**3759.9**	**57265.**	**4678.3**
Stddev	6.6	4.6	65.	41.4
%RSD	.28534	.12119	.11393	.88584
#1	2309.1	3754.6	57190.	4726.1
#2	2322.1	3762.8	57296.	4656.0
#3	2313.5	3762.2	57308.	4652.8

Sample Name: 180-130108-C-3-A@5 Acquired: 11/26/2021 16:23:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00627**	**.00400**	**.00493**	**.04383**	**.00013**
Stddev	.00017	.01498	.00133	.00071	.00043	.00002
%RSD	30.310	238.84	33.258	14.345	.98823	18.542
#1	-.00046	.02353	.00345	.00428	.04370	.00013
#2	-.00077	-.00331	.00551	.00569	.04431	.00011
#3	-.00048	-.00140	.00303	.00483	.04348	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.603**	**.00000**	**.00268**	**.00057**	**-.00127**	**.04950**
Stddev	.107	.00010	.00008	.00049	.00049	.00294
%RSD	.47137	1993.6	3.0308	85.939	38.862	5.9431
#1	22.629	.00009	.00261	.00023	-.00088	.04623
#2	22.695	.00002	.00267	.00113	-.00109	.05194
#3	22.486	-.00010	.00277	.00034	-.00182	.05032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4769**	**.01399**	**.39438**	**.01580**	**.00496**	F **1869.3**
Stddev	.0276	.00046	.02123	.00010	.00048	12.9
%RSD	1.1131	3.3069	5.3831	.63912	9.7790	.68898
#1	2.4557	.01436	.39204	.01569	.00528	1880.1
#2	2.5081	.01347	.41668	.01582	.00519	1872.8
#3	2.4670	.01413	.37442	.01589	.00440	1855.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-3-A@5 Acquired: 11/26/2021 16:23:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.00119**	**-.00111**	**.00332**	**.05510**	**-.00078**
Stddev	.00051	.00132	.00118	.00177	.00553	.00049
%RSD	56.063	111.62	106.53	53.381	10.031	62.524
#1	.00032	-.00031	.00019	.00340	.05929	-.00027
#2	.00121	-.00271	-.00139	.00506	.04883	-.00124
#3	.00119	-.00054	-.00212	.00151	.05717	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16736**	**.00091**	**-.00147**	**.00452**	**.02175**
Stddev	.00516	.00021	.00041	.00112	.00009
%RSD	3.0813	23.005	28.172	24.848	.42114
#1	.16829	.00072	-.00141	.00538	.02177
#2	.17198	.00088	-.00191	.00325	.02165
#3	.16179	.00113	-.00109	.00493	.02183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1664.2**	**3208.5**	**46851.**	**4370.9**
Stddev	6.2	8.4	95.	18.7
%RSD	.37434	.26044	.20311	.42813
#1	1658.0	3200.3	46877.	4371.7
#2	1664.2	3208.2	46930.	4351.7
#3	1670.4	3217.0	46745.	4389.1

Sample Name: 180-130108-C3A SD@25 Acquired: 11/26/2021 16:27:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00462**	**.00076**	**.00150**	**.00923**	**-.00002**
Stddev	.00038	.01386	.00157	.00032	.00081	.00008
%RSD	1674.8	300.20	206.65	21.565	8.7256	402.47
#1	-.00006	-.00337	-.00094	.00165	.00860	-.00004
#2	.00044	-.00340	.00216	.00113	.01014	.00006
#3	-.00031	.02061	.00106	.00173	.00895	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7156**	**-.00006**	**.00087**	**.00010**	**-.00234**	**.01006**
Stddev	.2763	.00007	.00017	.00064	.00045	.00034
%RSD	5.8583	104.40	19.446	622.86	19.248	3.3725
#1	4.4893	.00000	.00097	.00071	-.00238	.00968
#2	5.0234	-.00013	.00068	.00016	-.00277	.01016
#3	4.6339	-.00007	.00097	-.00057	-.00187	.01034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67285**	**.00176**	**.09435**	**.00319**	**.00344**	**411.44**
Stddev	.05747	.00101	.03019	.00003	.00042	21.69
%RSD	8.5410	57.517	31.995	.90990	12.180	5.2723
#1	.62172	.00100	.06472	.00320	.00371	391.23
#2	.73505	.00291	.12507	.00321	.00295	434.36
#3	.66180	.00137	.09327	.00316	.00365	408.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-130108-C3A SD@25 Acquired: 11/26/2021 16:27:53 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00023**	**-.00176**	**-.00163**	**.00687**	**-.00100**
Stddev	.00029	.00091	.00095	.00148	.01251	.00025
%RSD	133.35	399.51	54.294	90.897	182.06	24.692
#1	.00048	-.00067	-.00182	-.00254	.01541	-.00115
#2	.00027	.00114	-.00267	-.00244	-.00749	-.00112
#3	-.00009	.00020	-.00077	.00008	.01270	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03646**	**.00032**	**-.00076**	**.00274**	**.00657**
Stddev	.00631	.00007	.00207	.00444	.00024
%RSD	17.300	21.138	272.40	161.87	3.7262
#1	.02974	.00034	-.00143	-.00217	.00674
#2	.03739	.00038	.00156	.00648	.00629
#3	.04225	.00025	-.00241	.00392	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1983.8**	**3557.1**	**51390.**	**4497.4**
Stddev	110.8	196.0	405.	229.7
%RSD	5.5841	5.5098	.78744	5.1062
#1	1901.8	3406.9	51186.	4685.5
#2	2109.8	3778.8	51127.	4241.5
#3	1939.8	3485.6	51856.	4565.2

Sample Name: 180-130108-A-3A MS@5 Acquired: 11/26/2021 16:32:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05469**	**.97029**	**.21789**	**.25711**	**.23003**	**.09495**
Stddev	.00024	.01884	.00149	.00062	.00134	.00045
%RSD	.44439	1.9416	.68613	.24274	.58408	.47077
#1	.05441	.97519	.21689	.25782	.22938	.09444
#2	.05485	.94948	.21961	.25662	.22914	.09529
#3	.05481	.98619	.21717	.25690	.23157	.09512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.547**	**.10450**	**.10442**	**.09729**	**.10151**	**1.0121**
Stddev	.208	.00029	.00026	.00125	.00067	.0015
%RSD	.81492	.27315	.24962	1.2807	.66346	.15288
#1	25.582	.10476	.10472	.09814	.10204	1.0137
#2	25.324	.10454	.10433	.09786	.10175	1.0119
#3	25.736	.10419	.10422	.09586	.10075	1.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9787**	**.12040**	**4.9583**	**.11152**	**.09098**	F **1723.5**
Stddev	.0547	.00121	.0337	.00078	.00025	23.2
%RSD	.68576	1.0075	.67985	.69846	.27791	1.3489
#1	7.9160	.11972	4.9337	.11228	.09099	1745.1
#2	8.0167	.11968	4.9967	.11157	.09123	1698.9
#3	8.0035	.12180	4.9445	.11072	.09072	1726.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A-3A MS@5 Acquired: 11/26/2021 16:32:41 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10187**	**.09594**	**.04684**	**.20497**	**.29100**	**.17332**
Stddev	.00014	.00178	.00166	.00214	.00796	.00065
%RSD	.14013	1.8557	3.5453	1.0441	2.7349	.37232
#1	.10184	.09778	.04709	.20508	.28953	.17310
#2	.10175	.09423	.04836	.20278	.29959	.17282
#3	.10203	.09580	.04507	.20705	.28388	.17405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.24847**	**.09882**	**.17577**	**.09393**	**.07134**
Stddev	.00091	.00116	.00226	.00326	.00009
%RSD	.36797	1.1713	1.2870	3.4711	.12345
#1	.24872	.09998	.17736	.09657	.07144
#2	.24745	.09882	.17318	.09029	.07128
#3	.24923	.09767	.17677	.09495	.07131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1689.0**	**3248.5**	**47609.**	**4529.3**
Stddev	4.0	6.8	377.	26.1
%RSD	.23401	.21034	.79174	.57688
#1	1684.6	3240.7	47352.	4515.3
#2	1692.3	3251.4	47433.	4559.4
#3	1690.1	3253.4	48042.	4513.1

Sample Name: 180-130108-A3B MSD@5 Acquired: 11/26/2021 16:37:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05411**	**.99202**	**.21854**	**.25414**	**.23010**	**.09469**
Stddev	.00070	.03323	.00076	.00054	.00373	.00129
%RSD	1.2944	3.3502	.34602	.21139	1.6215	1.3580
#1	.05489	.99891	.21781	.25467	.22791	.09434
#2	.05390	.95588	.21932	.25360	.22797	.09361
#3	.05354	1.0213	.21850	.25416	.23440	.09611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.408**	**.10389**	**.10352**	**.09409**	**.10058**	**1.0247**
Stddev	.350	.00015	.00037	.00040	.00007	.0201
%RSD	1.3236	.14912	.35510	.42371	.07209	1.9628
#1	26.175	.10407	.10391	.09381	.10061	1.0248
#2	26.239	.10381	.10348	.09392	.10050	1.0046
#3	26.810	.10380	.10318	.09455	.10064	1.0448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.4191**	**.12359**	**5.0112**	**.11040**	**.09024**	F **1736.4**
Stddev	.1194	.00252	.0674	.00090	.00050	12.7
%RSD	1.4185	2.0395	1.3449	.81940	.55099	.73310
#1	8.3429	.12193	4.9444	.11135	.08975	1731.3
#2	8.3578	.12236	5.0101	.10955	.09074	1750.9
#3	8.5568	.12649	5.0791	.11029	.09023	1727.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-A3B MSD@5 Acquired: 11/26/2021 16:37:23 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10185**	**.09514**	**.04547**	**.20510**	**.30246**	**.17178**
Stddev	.00031	.00041	.00200	.00431	.00897	.00112
%RSD	.30144	.42895	4.3997	2.0998	2.9658	.65327
#1	.10174	.09474	.04417	.20781	.29324	.17219
#2	.10220	.09512	.04778	.20735	.31115	.17264
#3	.10162	.09556	.04448	.20013	.30298	.17051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.26125**	**.09726**	**.17500**	**.09822**	**.07129**
Stddev	.00324	.00090	.00207	.00416	.00014
%RSD	1.2398	.92721	1.1803	4.2312	.19147
#1	.26135	.09829	.17501	.10078	.07144
#2	.26443	.09662	.17293	.09343	.07117
#3	.25796	.09686	.17706	.10045	.07127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1681.8**	**3253.5**	**47817.**	**4425.4**
Stddev	5.2	5.7	282.	12.7
%RSD	.31052	.17369	.59013	.28674
#1	1676.5	3247.0	47492.	4440.0
#2	1682.1	3256.3	47986.	4416.7
#3	1686.9	3257.2	47975.	4419.6

Sample Name: 180-130108-C-4-A@5 Acquired: 11/26/2021 16:42:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.39036**	**.00577**	**.00831**	**.07218**	**.00008**
Stddev	.00059	.00577	.00126	.00065	.00057	.00003
%RSD	318.29	1.4776	21.823	7.8507	.79390	41.917
#1	.00023	.39683	.00566	.00901	.07202	.00010
#2	-.00086	.38575	.00707	.00773	.07281	.00004
#3	.00008	.38851	.00456	.00818	.07170	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.210**	**.00045**	**.00384**	**.00257**	**.00573**	**1.3179**
Stddev	.286	.00002	.00025	.00035	.00048	.0082
%RSD	.49933	3.8727	6.4013	13.510	8.4371	.62135
#1	57.336	.00046	.00395	.00256	.00553	1.3179
#2	57.411	.00043	.00401	.00223	.00628	1.3260
#3	56.883	.00047	.00356	.00293	.00537	1.3097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1780**	**.03801**	**5.0498**	**.09631**	**.00263**	F **2638.9**
Stddev	.1314	.00064	.0257	.00071	.00023	49.1
%RSD	2.1270	1.6885	.50814	.73416	8.8602	1.8601
#1	6.0314	.03774	5.0790	.09699	.00289	2695.1
#2	6.2851	.03754	5.0307	.09637	.00253	2617.1
#3	6.2177	.03874	5.0398	.09558	.00246	2604.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A@5 Acquired: 11/26/2021 16:42:05 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00311**	**.00893**	**-.00054**	**.00735**	**.49859**	**-.00084**
Stddev	.00006	.00182	.00106	.00460	.01519	.00098
%RSD	1.9252	20.372	195.80	62.577	3.0459	116.95
#1	.00304	.00985	-.00057	.01137	.51457	-.00018
#2	.00315	.01011	-.00159	.00834	.49684	-.00037
#3	.00315	.00683	.00053	.00233	.48435	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.27472**	**.00625**	**-.00074**	**.00132**	**.31162**
Stddev	.00585	.00015	.00204	.00417	.00050
%RSD	2.1287	2.3265	274.34	316.51	.15891
#1	.26827	.00625	-.00192	.00361	.31138
#2	.27621	.00639	.00161	.00383	.31219
#3	.27968	.00610	-.00192	-.00349	.31129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1552.0**	**3090.8**	**45117.**	**4374.9**
Stddev	1.3	2.3	194.	43.3
%RSD	.08169	.07600	.42931	.99060
#1	1553.3	3089.9	44945.	4345.2
#2	1550.8	3089.1	45079.	4355.0
#3	1551.9	3093.5	45327.	4424.7

Sample Name: 180-130108-C-4-A@10 Acquired: 11/26/2021 16:46:51 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.20278**	**.00451**	**.00382**	**.03658**	**.00005**
Stddev	.00017	.03003	.00157	.00042	.00025	.00008
%RSD	99.346	14.811	34.694	10.983	.69686	171.37
#1	-.00015	.19739	.00592	.00415	.03647	.00004
#2	-.00002	.23514	.00479	.00335	.03639	-.00003
#3	-.00036	.17580	.00283	.00398	.03687	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.305**	**.00025**	**.00267**	**.00084**	**.00148**	**.67473**
Stddev	.078	.00010	.00029	.00048	.00057	.00523
%RSD	.26549	41.516	11.033	57.388	38.677	.77503
#1	29.323	.00030	.00299	.00118	.00190	.66954
#2	29.220	.00031	.00262	.00105	.00083	.67465
#3	29.372	.00013	.00240	.00029	.00170	.68000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2472**	**.01720**	**2.5919**	**.04927**	**.00177**	F **1483.0**
Stddev	.0449	.00162	.0474	.00029	.00012	5.0
%RSD	1.3817	9.4113	1.8289	.58248	7.0244	.33388
#1	3.2360	.01552	2.6228	.04951	.00171	1478.1
#2	3.2091	.01733	2.6155	.04936	.00192	1488.0
#3	3.2967	.01875	2.5373	.04895	.00169	1482.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						500.00
Low Limit						-5.0000

Sample Name: 180-130108-C-4-A@10 Acquired: 11/26/2021 16:46:51 Type: Unk
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00430**	**.00054**	**.00062**	**.25699**	**-.00063**
Stddev	.00072	.00262	.00169	.00316	.01457	.00029
%RSD	52.734	60.944	314.19	509.90	5.6701	45.645
#1	.00071	.00728	.00248	-.00141	.24158	-.00079
#2	.00124	.00325	-.00032	-.00099	.25884	-.00030
#3	.00213	.00236	-.00055	.00426	.27055	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.14394**	**.00317**	**-.00057**	**.00474**	**.15931**
Stddev	.01089	.00007	.00030	.00291	.00073
%RSD	7.5682	2.0507	53.227	61.399	.45636
#1	.13365	.00323	-.00042	.00746	.16000
#2	.15535	.00310	-.00092	.00507	.15855
#3	.14282	.00319	-.00037	.00168	.15937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1684.7**	**3234.5**	**47354.**	**4489.9**
Stddev	1.4	4.9	193.	25.7
%RSD	.08085	.15133	.40854	.57195
#1	1684.0	3235.1	47153.	4495.1
#2	1683.7	3239.0	47368.	4512.6
#3	1686.2	3229.3	47540.	4462.1

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:51:39 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96795**	**23.120**	**.47271**	**1.9374**	**1.8805**	**1.8689**
Stddev	.00204	.072	.00507	.0173	.0046	.0029
%RSD	.21071	.31203	1.0724	.89495	.24604	.15260
#1	.96582	23.183	.46996	1.9270	1.8817	1.8667
#2	.96988	23.042	.46961	1.9278	1.8754	1.8679
#3	.96815	23.136	.47856	1.9574	1.8845	1.8721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.904**	**.47736**	**1.9374**	**1.8685**	**1.9041**	**22.877**
Stddev	.162	.00377	.0158	.0034	.0067	.047
%RSD	.34638	.79062	.81479	.18386	.35148	.20572
#1	47.087	.47539	1.9345	1.8656	1.8990	22.922
#2	46.776	.47497	1.9233	1.8723	1.9117	22.882
#3	46.850	.48171	1.9544	1.8676	1.9017	22.828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.76**	**1.9637**	**45.648**	**1.8363**	**1.8254**	F **104.25**
Stddev	.45	.0103	.050	.0017	.0230	.86
%RSD	.39342	.52373	.10873	.09233	1.2582	.82902
#1	113.25	1.9754	45.689	1.8347	1.8102	103.42
#2	113.92	1.9563	45.593	1.8381	1.8141	104.19
#3	114.10	1.9594	45.662	1.8361	1.8518	105.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						125.00
Range						-10.000%

Sample Name: CCV 4546440 Acquired: 11/26/2021 16:51:39 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9399**	**.46948**	**.46571**	**.47806**	**1.8255**	F **1.7798**
Stddev	.0146	.00399	.00576	.00547	.0048	.0127
%RSD	.75295	.84979	1.2359	1.1446	.26419	.71204
#1	1.9367	.47080	.46265	.47241	1.8200	1.7730
#2	1.9271	.46499	.46213	.47845	1.8276	1.7720
#3	1.9558	.47264	.47235	.48333	1.8289	1.7944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2.0000
Range						-10.000%

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8600**	**1.8608**	**.91928**	**1.8603**	**1.8474**
Stddev	.0119	.0019	.00824	.0144	.0150
%RSD	.63850	.10327	.89607	.77496	.81003
#1	1.8681	1.8586	.91519	1.8659	1.8479
#2	1.8464	1.8617	.91388	1.8439	1.8322
#3	1.8656	1.8621	.92876	1.8710	1.8621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1957.4**	**3558.6**	**53979.**	**4687.8**
Stddev	12.3	23.1	53.	11.3
%RSD	.62818	.64781	.09776	.24073
#1	1957.6	3563.5	54029.	4699.4
#2	1969.6	3578.8	53924.	4676.8
#3	1945.1	3533.5	53985.	4687.1

Sample Name: CCB11 Acquired: 11/26/2021 16:56:01 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.01082**	**.00248**	**.00092**	**.00024**	**.00011**
Stddev	.00028	.01358	.00079	.00028	.00038	.00008
%RSD	157.10	125.55	31.812	30.989	154.50	73.023
#1	.00003	.00417	.00183	.00124	.00008	.00017
#2	-.00049	-.01433	.00226	.00076	-.00003	.00013
#3	-.00007	-.02230	.00336	.00074	.00067	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00761**	**-.00001**	**-.00006**	**.00010**	**.00055**	**-.00163**
Stddev	.00302	.00011	.00016	.00027	.00050	.00023
%RSD	39.735	969.80	258.33	270.91	90.973	14.071
#1	-.01015	-.00001	-.00017	.00005	-.00002	-.00164
#2	-.00426	.00010	.00012	-.00014	.00090	-.00185
#3	-.00840	-.00012	-.00013	.00039	.00078	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46608**	**.00075**	**.05297**	**.00006**	**.01525**	**2.2572**
Stddev	.02533	.00131	.02213	.00004	.00200	.0302
%RSD	5.4346	176.03	41.779	62.659	13.120	1.3363
#1	.43732	.00104	.02839	.00009	.01736	2.2886
#2	.48506	-.00069	.07130	.00002	.01500	2.2545
#3	.47587	.00189	.05921	.00008	.01338	2.2285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB11 Acquired: 11/26/2021 16:56:01 Type: QC
Method: PITT-6500ICP-2(v5066) Mode: CONC Corr. Factor: 1.000000
User: RRosenbaum Custom ID1: C211126A Custom ID2: 6500ICP2 Custom ID3: Int: 4555002
Comment: Eurofins TestAmerica Pittsburgh - 6010B, 6010C, 6010D, 200.7

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00045**	**.00012**	**.00695**	**.00392**	**-.00115**
Stddev	.00031	.00102	.00187	.00283	.00931	.00022
%RSD	184.83	225.81	1503.5	40.745	237.73	19.467
#1	-.00026	-.00075	-.00078	.00952	.01466	-.00101
#2	-.00043	-.00130	.00228	.00743	-.00123	-.00104
#3	.00018	.00069	-.00112	.00391	-.00168	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.00089**	**.00031**	**.00432**	**.00050**
Stddev	.00480	.00031	.00051	.00151	.00014
%RSD	300.41	34.738	163.68	34.970	27.888
#1	-.00659	.00097	.00001	.00339	.00045
#2	.00300	.00116	.00003	.00350	.00066
#3	-.00121	.00055	.00090	.00606	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2270.4**	**3697.1**	**56712.**	**4768.3**
Stddev	4.6	4.1	516.	25.5
%RSD	.20222	.11114	.90929	.53547
#1	2270.7	3700.8	57030.	4749.7
#2	2265.6	3697.8	56117.	4757.9
#3	2274.8	3692.7	56990.	4797.4

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379791 Batch Start Date: 11/23/21 10:00 Batch Analyst: Shannon, Kelly F

Batch Method: 200.7 Batch End Date: 11/23/21 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TA-SPIKE1 00017	TA-SPIKE2 00014	TA-Spike3 INT 00011	AnalysisComment
MB 180-379791/1		200.7, EPA 200.7 Rev 4		50 mL	50 mL				PF
LCS 180-379791/2		200.7, EPA 200.7 Rev 4		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	PF
180-130108-C-2	WS-11201415-1115 21-SG-001	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				PF
180-130108-C-3	WS-11201415-1115 21-SG-002	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				
180-130108-A-3 MS	WS-11201415-1115 21-SG-002	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
180-130108-A-3 MSD	WS-11201415-1115 21-SG-002	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
180-130108-C-4	WS-11201415-1115 21-SG-003	200.7, EPA 200.7 Rev 4	R	50 mL	50 mL				PF

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2104009-1196
Hot Block ID	HB2
Lot # of Nitric Acid	2 mL 4552049
Lot # of hydrochloric acid	5.0 mL 4554479
Uncorrected Temperature	84 Degrees C
Oven, Bath or Block Temperature 1	84 Degrees C
Uncorrected Temperature 2	84 Degrees C
Oven, Bath or Block Temperature 2	84 Degrees C
Thermometer ID	675512
Thermometer Location ID	B5
Pipette ID	B912397084 B720115069
Batch Comment	Metals A2 plunge filter FISHER 17270325

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379972 Batch Start Date: 11/23/21 12:30 Batch Analyst: Miller, Mary Beth

Batch Method: 200.7 Batch End Date: 11/23/21 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TA-SPIKE1 00016	TA-SPIKE2 00013	TA-Spike3 INT 00011	AnalysisComment
MB 180-379972/1		200.7, EPA 200.7 Rev 4		25 mL	25 mL				PF
LCS 180-379972/2		200.7, EPA 200.7 Rev 4		25 mL	25 mL	0.125 mL	0.125 mL	0.125 mL	PF
180-130108-C-5	WS-11201415-1115 21-SG-004	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				
180-130108-C-5 MS	WS-11201415-1115 21-SG-004	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL	0.125 mL	0.125 mL	0.125 mL	
180-130108-C-5 MSD	WS-11201415-1115 21-SG-004	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL	0.125 mL	0.125 mL	0.125 mL	
180-130108-C-6	WS-11201415-1115 21-SG-005	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				
180-130108-C-7	WS-11201415-1115 21-SG-006	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				PF
180-130108-C-8	WS-11201415-1115 21-SG-007	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				
180-130108-C-9	WS-11201415-1115 21-SG-008	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				PF
180-130108-C-10	WS-11201415-1115 21-SG-009	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				
180-130108-C-11	WS-11201415-1116 21-SG-010	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				
180-130108-C-12	WS-11201415-1116 21-SG-011	200.7, EPA 200.7 Rev 4	R	25 mL	25 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379972 Batch Start Date: 11/23/21 12:30 Batch Analyst: Miller, Mary Beth

Batch Method: 200.7 Batch End Date: 11/23/21 16:30

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2104009-1196
Hot Block ID	AUTOBLOCK1
Lot # of Nitric Acid	1.0 mL 4552049
Lot # of hydrochloric acid	2.50mL 4554479
Uncorrected Temperature	85 Degrees C
Oven, Bath or Block Temperature 1	85 Degrees C
Uncorrected Temperature 2	85 Degrees C
Oven, Bath or Block Temperature 2	85 Degrees C
Thermometer ID	913884
Thermometer Location ID	C1
Pipette ID	B912397084
Batch Comment	Metals A2

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job Number: 180-130108-1

SDG No.:

Project: 0018036 Westinghouse

Client Sample ID	Lab Sample ID
WS-11201415-111521-SG-001	180-130108-2
WS-11201415-111521-SG-002	180-130108-3
WS-11201415-111521-SG-003	180-130108-4
WS-11201415-111521-SG-004	180-130108-5
WS-11201415-111521-SG-005	180-130108-6
WS-11201415-111521-SG-006	180-130108-7
WS-11201415-111521-SG-007	180-130108-8
WS-11201415-111521-SG-008	180-130108-9
WS-11201415-111521-SG-009	180-130108-10
WS-11201415-111621-SG-010	180-130108-11
WS-11201415-111621-SG-011	180-130108-12

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-001 Lab Sample ID: 180-130108-2

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 13:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	69	1.0	1.0	mg/L			1	SM 2540D
	pH	9.2	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	23.3	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-002 Lab Sample ID: 180-130108-3

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	20	0.50	0.50	mg/L			1	SM 2540D
	pH	8.1	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	22.5	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-003 Lab Sample ID: 180-130108-4

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:25

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	270	2.5	2.5	mg/L			1	SM 2540D
	pH	7.9	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.9	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-004 Lab Sample ID: 180-130108-5

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 14:45

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	1.7	0.50	0.50	mg/L			1	SM 2540D
	pH	8.2	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	22.9	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-005 Lab Sample ID: 180-130108-6

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	82	0.50	0.50	mg/L			1	SM 2540D
	pH	9.5	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	22.0	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-006 Lab Sample ID: 180-130108-7

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	150	0.50	0.50	mg/L			1	SM 2540D
	pH	9.1	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.9	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-007 Lab Sample ID: 180-130108-8

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 15:30

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	440	1.3	1.3	mg/L			1	SM 2540D
	pH	9.3	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.6	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-008 Lab Sample ID: 180-130108-9

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 16:00

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	94	0.50	0.50	mg/L			1	SM 2540D
	pH	8.6	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.7	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111521-SG-009 Lab Sample ID: 180-130108-10

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/15/2021 16:35

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	9.1	0.50	0.50	mg/L			1	SM 2540D
	pH	7.9	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.3	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111621-SG-010 Lab Sample ID: 180-130108-11

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 11:15

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	2.7	0.50	0.50	mg/L			1	SM 2540D
	pH	8.2	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.3	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WS-11201415-111621-SG-011 Lab Sample ID: 180-130108-12

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG ID.:

Matrix: Water Date Sampled: 11/16/2021 11:40

Reporting Basis: WET Date Received: 11/17/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Suspended Solids	4.2	0.50	0.50	mg/L			1	SM 2540D
	pH	8.1	0.1	0.1	SU		HF	1	SM 4500 H+ B
	Temperature	21.2	0.1	0.1	Degrees C		HF	1	SM 4500 H+ B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Analyst: MJH Batch Start Date: 11/20/2021

Reporting Units: Degrees C Analytical Batch No.: 379620

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	11:29	Temperature	20.7					
22	CCV	11:48	Temperature	20.6					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Analyst: MJH Batch Start Date: 11/20/2021

Reporting Units: SU Analytical Batch No.: 379620

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	11:29	pH	7.0	7.00	100	99-101		WpHBuffer7P_00036
22	CCV	11:48	pH	7.0	7.00	100	99-101		WpHBuffer7P_00036

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 379350	Date: 11/18/2021 08:35						
SM 2540D	MB 180-379350/2	Total Suspended Solids	ND		mg/L	0.50	1
Batch ID: 379370	Date: 11/18/2021 10:11						
SM 2540D	MB 180-379370/2	Total Suspended Solids	ND		mg/L	0.50	1

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 379350 Date: 11/18/2021 08:35								
SM 2540D	WS-11201415-111521-SG-003	180-130108-4	Total Suspended Solids	270	mg/L			
SM 2540D	WS-11201415-111521-SG-003	180-130108-4 DU	Total Suspended Solids	262	mg/L	4	10	
Batch ID: 379620 Date: 11/20/2021 11:33								
SM 4500 H+ B	WS-11201415-111521-SG-005	180-130108-6	pH	9.5	SU			
SM 4500 H+ B	WS-11201415-111521-SG-005	180-130108-6 DU	pH	9.5	SU	0.1	2	
SM 4500 H+ B	WS-11201415-111521-SG-005	180-130108-6	Temperature	22.0	Degrees C			
SM 4500 H+ B	WS-11201415-111521-SG-005	180-130108-6 DU	Temperature	22.0	Degrees C	0	5	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 379350	Date: 11/18/2021 08:35										
						LCS Source: WResPSP_00079					
SM 2540D	LCS 180-379350/1	Total Suspended Solids	30.0		mg/L	35.5	85	80-120			
Batch ID: 379370	Date: 11/18/2021 10:11										
						LCS Source: WResPSP_00079					
SM 2540D	LCS 180-379370/1	Total Suspended Solids	38.0		mg/L	35.5	107	80-120			
Batch ID: 379620	Date: 11/20/2021 11:10										
						LCS Source: WpHBuffer7CCV_00075					
SM 4500 H+ B	LCS 180-379620/1	pH	7.0		SU	7.00	100	99-101			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: HP3

Method: SM 2540D MDL Date: 01/28/2010 13:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Suspended Solids		0.5	0.5

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: HP3

Method: SM 2540D XMDL Date: 01/28/2010 13:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Suspended Solids		0.5	0.5

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 4500 H+ B RL Date: 07/09/2019 10:56

Analyte	Wavelength/ Mass	RL (Degrees C)	
Temperature		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 4500 H+ B XRL Date: 07/09/2019 10:57

Analyte	Wavelength/ Mass	XRL (Degrees C)	
Temperature		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 4500 H+ B RL Date: 07/09/2019 10:56

Analyte	Wavelength/ Mass	RL (SU)	
pH		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburg Job Number: 180-130108-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 4500 H+ B XRL Date: 07/09/2019 10:57

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: HP3 Method: SM 2540D

Start Date: 11/18/2021 08:35 End Date: 11/18/2021 08:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				TSS																			
LCS 180-379350/1	1	T	08:35	X																			
MB 180-379350/2	1	T	08:35	X																			
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
180-130108-4	1	T	08:35	X																			
180-130108-4 DU	1	T	08:35	X																			
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
ZZZZZZ			08:35																				
180-130108-2	1	T	08:35	X																			
180-130108-3	1	T	08:35	X																			
ZZZZZZ			08:35																				
180-130108-5	1	T	08:35	X																			
180-130108-6	1	T	08:35	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: HP3 Method: SM 2540D

Start Date: 11/18/2021 10:11 End Date: 11/18/2021 10:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				TSS																				
LCS 180-379370/1	1	T	10:11	X																				
MB 180-379370/2	1	T	10:11	X																				
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
180-130108-7	1	T	10:11	X																				
180-130108-8	1	T	10:11	X																				
180-130108-9	1	T	10:11	X																				
180-130108-10	1	T	10:11	X																				
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
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ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
180-130108-11	1	T	10:11	X																				
180-130108-12	1	T	10:11	X																				
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Pittsburgh Job No.: 180-130108-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 4500 H+ B

Start Date: 11/20/2021 11:10 End Date: 11/20/2021 11:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				pH	Temp																		
LCS 180-379620/1	1	T	11:10	X	X																		
ZZZZZZ			11:11																				
ZZZZZZ			11:13																				
ZZZZZZ			11:15																				
ZZZZZZ			11:17																				
ZZZZZZ			11:19																				
ZZZZZZ			11:20																				
180-130108-2	1	T	11:22	X	X																		
180-130108-3	1	T	11:24	X	X																		
180-130108-4	1	T	11:26	X	X																		
180-130108-5	1	T	11:28	X	X																		
CCV 180-379620/12	1		11:29	X	X																		
180-130108-6	1	T	11:31	X	X																		
180-130108-6 DU	1	T	11:33	X	X																		
180-130108-7	1	T	11:35	X	X																		
180-130108-8	1	T	11:37	X	X																		
180-130108-9	1	T	11:39	X	X																		
180-130108-10	1	T	11:40	X	X																		
180-130108-11	1	T	11:42	X	X																		
180-130108-12	1	T	11:44	X	X																		
ZZZZZZ			11:46																				
CCV 180-379620/22	1		11:48	X	X																		

Prep Types

T = Total/NA

General Chemistry Raw Data Report

Job ID: 180-130108-1

Batch: 379350
Method: SM 2540D

Analyst Initials: BAC
Instrument: HP 6890 GC/5973 MS

Lab Sample ID: LCS 180-379350/1

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	1.5	mg/L	50 mL	1000 mL

Lab Sample ID: MB 180-379350/2

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	-0.300000000000009	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-4

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	54.7	mg/L	200 mL	1000 mL

Lab Sample ID: 180-130108-A-4 DU

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	52.3	mg/L	200 mL	1000 mL

Lab Sample ID: 180-130108-A-2

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	34.4	mg/L	500 mL	1000 mL

Lab Sample ID: 180-130108-A-3

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	20.1	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-5

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	1.69999999999999	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-6

Analysis Date: Nov 18, 2021 08:35

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	82.4	mg/L	1000 mL	1000 mL

Batch: 379370
Method: SM 2540D

Analyst Initials: BAC
Instrument: HP 6890 GC/5973 MS

Lab Sample ID: LCS 180-379370/1

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	1.9	mg/L	50 mL	1000 mL

Lab Sample ID: MB 180-379370/2

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	0	mg/L	1000 mL	1000 mL

Batch: 379370 (Continued)
Method: SM 2540D

Analyst Initials: BAC
Instrument: HP 6890 GC/5973 MS

Lab Sample ID: 180-130108-A-7

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	153	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-8

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	175.5	mg/L	400 mL	1000 mL

Lab Sample ID: 180-130108-A-9

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	94.3	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-10

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	9.1	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-11

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	2.69999999999999	mg/L	1000 mL	1000 mL

Lab Sample ID: 180-130108-A-12

Analysis Date: Nov 18, 2021 10:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Suspended Solids	MSD	1	4.19999999999998	mg/L	1000 mL	1000 mL

Batch: 379620
Method: SM 4500 H+ B

Analyst Initials: MJH
Instrument: No Equipment

Lab Sample ID: LCS 180-379620/1

Analysis Date: Nov 20, 2021 11:10

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	7.02	SU	10 mL
Temperature	None	1	21.6	Celsius	10 mL

Lab Sample ID: 180-130108-B-2

Analysis Date: Nov 20, 2021 11:22

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	9.16	SU	10 mL
Temperature	None	1	23.3	Celsius	10 mL

Lab Sample ID: 180-130108-B-3

Analysis Date: Nov 20, 2021 11:24

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	8.11	SU	10 mL
Temperature	None	1	22.5	Celsius	10 mL

Batch: 379620 (Continued)
Method: SM 4500 H+ B

Analyst Initials: MJH
Instrument: No Equipment

Lab Sample ID: 180-130108-B-4
Analysis Date: Nov 20, 2021 11:26

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	7.87	SU	10 mL
Temperature	None	1	21.9	Celsius	10 mL

Lab Sample ID: 180-130108-B-5
Analysis Date: Nov 20, 2021 11:28

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	8.18	SU	10 mL
Temperature	None	1	22.9	Celsius	10 mL

Lab Sample ID: CCV 180-379620/12
Analysis Date: Nov 20, 2021 11:29

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	7.01	SU	10 mL
Temperature	None	1	20.7	Celsius	10 mL

Lab Sample ID: 180-130108-B-6
Analysis Date: Nov 20, 2021 11:31

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	9.49	SU	10 mL
Temperature	None	1	22	Celsius	10 mL

Lab Sample ID: 180-130108-B-6 DU
Analysis Date: Nov 20, 2021 11:33

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	9.48	SU	10 mL
Temperature	None	1	22	Celsius	10 mL

Lab Sample ID: 180-130108-B-7
Analysis Date: Nov 20, 2021 11:35

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	9.10	SU	10 mL
Temperature	None	1	21.9	Celsius	10 mL

Lab Sample ID: 180-130108-B-8
Analysis Date: Nov 20, 2021 11:37

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	9.28	SU	10 mL
Temperature	None	1	21.6	Celsius	10 mL

Lab Sample ID: 180-130108-B-9
Analysis Date: Nov 20, 2021 11:39

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	8.57	SU	10 mL
Temperature	None	1	21.7	Celsius	10 mL

Lab Sample ID: 180-130108-B-10
Analysis Date: Nov 20, 2021 11:40

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	7.90	SU	10 mL
Temperature	None	1	21.3	Celsius	10 mL

Batch: 379620 (Continued)
Method: SM 4500 H+ B

Analyst Initials: MJH
Instrument: No Equipment

Lab Sample ID: 180-130108-B-11

Analysis Date: Nov 20, 2021 11:42

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	8.23	SU	10 mL
Temperature	None	1	21.3	Celsius	10 mL

Lab Sample ID: 180-130108-B-12

Analysis Date: Nov 20, 2021 11:44

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	8.10	SU	10 mL
Temperature	None	1	21.2	Celsius	10 mL

Lab Sample ID: CCV 180-379620/22

Analysis Date: Nov 20, 2021 11:48

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
pH	None	1	7.00	SU	10 mL
Temperature	None	1	20.6	Celsius	10 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379350 Batch Start Date: 11/18/21 08:20 Batch Analyst: Cindric, Blase A

Batch Method: SM 2540D Batch End Date: 11/18/21 14:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	CrucibleID	TareWeight	InitialAmount	Weight1	Weight2	WeightOne%Diff
LCS 180-379350/1		SM 2540D		gUF3H 0.1179	0.1179 g	50 mL	0.1195 g	0.1194 g	PASS <0.5mg
MB 180-379350/2		SM 2540D		gUF3I 0.1179	0.1179 g	1000 mL	0.1177 g	0.1176 g	PASS <0.5mg
180-130108-A-4	WS-11201415-1115 21-SG-003	SM 2540D	T	gUE54 0.1192	0.1192 g	200 mL	0.1741 g	0.1739 g	PASS <0.5mg
180-130108-A-4 DU	WS-11201415-1115 21-SG-003	SM 2540D	T	gUE4U 0.1174	0.1174 g	200 mL	0.1695 g	0.1697 g	PASS <0.5mg
180-130108-A-2	WS-11201415-1115 21-SG-001	SM 2540D	T	gUE4Z 0.1181	0.1181 g	500 mL	0.1522 g	0.1525 g	PASS <0.5mg
180-130108-A-3	WS-11201415-1115 21-SG-002	SM 2540D	T	gUE50 0.1188	0.1188 g	1000 mL	0.1387 g	0.1389 g	PASS <0.5mg
180-130108-A-5	WS-11201415-1115 21-SG-004	SM 2540D	T	gUE52 0.1188	0.1188 g	1000 mL	0.1204 g	0.1205 g	PASS <0.5mg
180-130108-A-6	WS-11201415-1115 21-SG-005	SM 2540D	T	gUE53 0.1189	0.1189 g	1000 mL	0.2014 g	0.2013 g	PASS <0.5mg

Lab Sample ID	Client Sample ID	Method Chain	Basis	Residue	Residue2	FinalAmount	ResDishWt	DishWeight	WResPSP 00079
LCS 180-379350/1		SM 2540D		0.0016 g	0.0015 g	1000 mL	0.1194 g	0.1179 g	50 mL
MB 180-379350/2		SM 2540D		-0.0002 g	-0.0003 g	1000 mL	0.1176 g	0.1179 g	
180-130108-A-4	WS-11201415-1115 21-SG-003	SM 2540D	T	0.0549 g	0.0547 g	1000 mL	0.1739 g	0.1192 g	
180-130108-A-4 DU	WS-11201415-1115 21-SG-003	SM 2540D	T	0.0521 g	0.0523 g	1000 mL	0.1697 g	0.1174 g	
180-130108-A-2	WS-11201415-1115 21-SG-001	SM 2540D	T	0.0341 g	0.0344 g	1000 mL	0.1525 g	0.1181 g	
180-130108-A-3	WS-11201415-1115 21-SG-002	SM 2540D	T	0.0199 g	0.0201 g	1000 mL	0.1389 g	0.1188 g	
180-130108-A-5	WS-11201415-1115 21-SG-004	SM 2540D	T	0.0016 g	0.0017 g	1000 mL	0.1205 g	0.1188 g	
180-130108-A-6	WS-11201415-1115 21-SG-005	SM 2540D	T	0.0825 g	0.0824 g	1000 mL	0.2013 g	0.1189 g	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379350 Batch Start Date: 11/18/21 08:20 Batch Analyst: Cindric, Blase A

Batch Method: SM 2540D Batch End Date: 11/18/21 14:41

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Nominal Amount Used	1000 g
Filter ID	203ZQP
Balance ID	SN1126020829
Oven ID	EZ Bake #3
Date/Time - In	11/18/2021 10:02
Temperature - Start - Uncorrected	105 Celsius
Temperature - Start - Corrected	105 Celsius
Date/Time - Out	11/18/2021 11:58
Temperature - End - Uncorrected	105 Celsius
Temperature - End - Corrected	105 Celsius
Date/Time - In - CW (WT2)	11/18/2021 12:35
Temperature - Start-CW(WT2) -Uncorrected	105 Celsius
Temperature - Start - CW (WT2) - Correct	105 Celsius
Date/Time - Out - CW (WT2)	11/18/2021 13:45
Temperature - End-CW(WT2) -Uncorrected	105 Celsius
Temperature - End - CW (WT2) - Correct	105 Celsius
Analyst ID 2	BAC
Batch Comment	completed by BAC

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379370 Batch Start Date: 11/18/21 10:11 Batch Analyst: Cindric, Blase A

Batch Method: SM 2540D Batch End Date: 11/18/21 15:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	CrucibleID	TareWeight	InitialAmount	Weight1	Weight2	WeightOne%Diff
LCS 180-379370/1		SM 2540D		gUE57 0.1200	0.1200 g	50 mL	0.1217 g	0.1219 g	PASS <0.5mg
MB 180-379370/2		SM 2540D		gUE56 0.1179	0.1179 g	1000 mL	0.1178 g	0.1179 g	PASS <0.5mg
180-130108-A-7	WS-11201415-1115 21-SG-006	SM 2540D	T	gUE59 0.1187	0.1187 g	1000 mL	0.2720 g	0.2717 g	PASS <0.5mg
180-130108-A-8	WS-11201415-1115 21-SG-007	SM 2540D	T	gUE5A 0.1197	0.1197 g	400 mL	0.2954 g	0.2952 g	PASS <0.5mg
180-130108-A-9	WS-11201415-1115 21-SG-008	SM 2540D	T	gUE5B 0.1200	0.1200 g	1000 mL	0.2140 g	0.2143 g	PASS <0.5mg
180-130108-A-10	WS-11201415-1115 21-SG-009	SM 2540D	T	gUF4E 0.1212	0.1212 g	1000 mL	0.1303 g	0.1303 g	PASS <0.5mg
180-130108-A-11	WS-11201415-1116 21-SG-010	SM 2540D	T	gUF4R 0.1221	0.1221 g	1000 mL	0.1248 g	0.1248 g	PASS <0.5mg
180-130108-A-12	WS-11201415-1116 21-SG-011	SM 2540D	T	gUF4S 0.1242	0.1242 g	1000 mL	0.1283 g	0.1284 g	PASS <0.5mg

Lab Sample ID	Client Sample ID	Method Chain	Basis	Residue	Residue2	FinalAmount	ResDishWt	DishWeight	WResPSP 00079
LCS 180-379370/1		SM 2540D		0.0017 g	0.0019 g	1000 mL	0.1219 g	0.12 g	50 mL
MB 180-379370/2		SM 2540D		-0.0001 g	0.0000 g	1000 mL	0.1179 g	0.1179 g	
180-130108-A-7	WS-11201415-1115 21-SG-006	SM 2540D	T	0.1533 g	0.1530 g	1000 mL	0.2717 g	0.1187 g	
180-130108-A-8	WS-11201415-1115 21-SG-007	SM 2540D	T	0.1757 g	0.1755 g	1000 mL	0.2952 g	0.1197 g	
180-130108-A-9	WS-11201415-1115 21-SG-008	SM 2540D	T	0.0940 g	0.0943 g	1000 mL	0.2143 g	0.12 g	
180-130108-A-10	WS-11201415-1115 21-SG-009	SM 2540D	T	0.0091 g	0.0091 g	1000 mL	0.1303 g	0.1212 g	
180-130108-A-11	WS-11201415-1116 21-SG-010	SM 2540D	T	0.0027 g	0.0027 g	1000 mL	0.1248 g	0.1221 g	
180-130108-A-12	WS-11201415-1116 21-SG-011	SM 2540D	T	0.0041 g	0.0042 g	1000 mL	0.1284 g	0.1242 g	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379370 Batch Start Date: 11/18/21 10:11 Batch Analyst: Cindric, Blase A

Batch Method: SM 2540D Batch End Date: 11/18/21 15:34

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Nominal Amount Used	1000 g
Filter ID	203ZQP
Balance ID	SN1126020829
Oven ID	EZ Bake #3
Date/Time - In	11/18/2021 11:20
Temperature - Start - Uncorrected	105 Celsius
Temperature - Start - Corrected	105 Celsius
Date/Time - Out	11/18/2021 13:35
Temperature - End - Uncorrected	105 Celsius
Temperature - End - Corrected	105 Celsius
Date/Time - In - CW (WT2)	11/18/2021 14:11
Temperature - Start-CW(WT2) -Uncorrected	105 Celsius
Temperature - Start - CW (WT2) - Correct	105 Celsius
Date/Time - Out - CW (WT2)	11/18/2021 15:10
Temperature - End-CW(WT2) -Uncorrected	105 Celsius
Temperature - End - CW (WT2) - Correct	105 Celsius
Analyst ID 2	BAC
Batch Comment	completed by BAC

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379620 Batch Start Date: 11/20/21 11:10 Batch Analyst: Houde, Michael J

Batch Method: SM 4500 H+ B Batch End Date: 11/20/21 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SampleTemp	pHRead1	TempRead1	pHRead2	TempRead2
LCS 180-379620/1		SM 4500 H+ B		10 mL	21.6 Celsius	7.02 SU	21.6 Celsius	7.02 SU	21.6 Celsius
180-130108-B-2	WS-11201415-1115 21-SG-001	SM 4500 H+ B	T	10 mL	23.3 Celsius	9.17 SU	23.3 Celsius	9.16 SU	23.3 Celsius
180-130108-B-3	WS-11201415-1115 21-SG-002	SM 4500 H+ B	T	10 mL	22.5 Celsius	8.12 SU	22.5 Celsius	8.11 SU	22.5 Celsius
180-130108-B-4	WS-11201415-1115 21-SG-003	SM 4500 H+ B	T	10 mL	21.9 Celsius	7.89 SU	21.9 Celsius	7.87 SU	21.9 Celsius
180-130108-B-5	WS-11201415-1115 21-SG-004	SM 4500 H+ B	T	10 mL	22.9 Celsius	8.18 SU	22.9 Celsius	8.18 SU	22.9 Celsius
CCV 180-379620/12		SM 4500 H+ B		10 mL	20.7 Celsius	7.02 SU	20.7 Celsius	7.01 SU	20.7 Celsius
180-130108-B-6	WS-11201415-1115 21-SG-005	SM 4500 H+ B	T	10 mL	22.0 Celsius	9.48 SU	22.0 Celsius	9.49 SU	22.0 Celsius
180-130108-B-6 DU	WS-11201415-1115 21-SG-005	SM 4500 H+ B	T	10 mL	22.0 Celsius	9.50 SU	22.0 Celsius	9.48 SU	22.0 Celsius
180-130108-B-7	WS-11201415-1115 21-SG-006	SM 4500 H+ B	T	10 mL	21.9 Celsius	9.11 SU	21.9 Celsius	9.10 SU	21.9 Celsius
180-130108-B-8	WS-11201415-1115 21-SG-007	SM 4500 H+ B	T	10 mL	21.6 Celsius	9.26 SU	21.6 Celsius	9.28 SU	21.6 Celsius
180-130108-B-9	WS-11201415-1115 21-SG-008	SM 4500 H+ B	T	10 mL	21.7 Celsius	8.56 SU	21.7 Celsius	8.57 SU	21.7 Celsius
180-130108-B-10	WS-11201415-1115 21-SG-009	SM 4500 H+ B	T	10 mL	21.3 Celsius	7.89 SU	21.3 Celsius	7.90 SU	21.3 Celsius
180-130108-B-11	WS-11201415-1116 21-SG-010	SM 4500 H+ B	T	10 mL	21.3 Celsius	8.22 SU	21.3 Celsius	8.23 SU	21.3 Celsius
180-130108-B-12	WS-11201415-1116 21-SG-011	SM 4500 H+ B	T	10 mL	21.2 Celsius	8.09 SU	21.2 Celsius	8.10 SU	21.2 Celsius
CCV 180-379620/22		SM 4500 H+ B		10 mL	20.6 Celsius	7.00 SU	20.6 Celsius	7.00 SU	20.6 Celsius

Lab Sample ID	Client Sample ID	Method Chain	Basis	WpHBuffer7CCV 00075	WpHBuffer7P 00036				
LCS 180-379620/1		SM 4500 H+ B		10 mL					
180-130108-B-2	WS-11201415-1115 21-SG-001	SM 4500 H+ B	T						
180-130108-B-3	WS-11201415-1115 21-SG-002	SM 4500 H+ B	T						
180-130108-B-4	WS-11201415-1115 21-SG-003	SM 4500 H+ B	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379620 Batch Start Date: 11/20/21 11:10 Batch Analyst: Houde, Michael J

Batch Method: SM 4500 H+ B Batch End Date: 11/20/21 11:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	WpHBuffer7CCV 00075	WpHBuffer7P 00036				
180-130108-B-5	WS-11201415-1115 21-SG-004	SM 4500 H+ B	T						
CCV 180-379620/12		SM 4500 H+ B			10 mL				
180-130108-B-6	WS-11201415-1115 21-SG-005	SM 4500 H+ B	T						
180-130108-B-6 DU	WS-11201415-1115 21-SG-005	SM 4500 H+ B	T						
180-130108-B-7	WS-11201415-1115 21-SG-006	SM 4500 H+ B	T						
180-130108-B-8	WS-11201415-1115 21-SG-007	SM 4500 H+ B	T						
180-130108-B-9	WS-11201415-1115 21-SG-008	SM 4500 H+ B	T						
180-130108-B-10	WS-11201415-1115 21-SG-009	SM 4500 H+ B	T						
180-130108-B-11	WS-11201415-1116 21-SG-010	SM 4500 H+ B	T						
180-130108-B-12	WS-11201415-1116 21-SG-011	SM 4500 H+ B	T						
CCV 180-379620/22		SM 4500 H+ B			10 mL				

Batch Notes	
pH Meter ID	Accumet AR20 (SN AR812106163)
Probe ID	YW1-15998
Thermometer ID	AR812106163
pH Buffer 1 ID	pH 2.00 4413592
pH Buffer 2 ID	pH 4.00 4068388
pH Buffer 3 ID	pH 7.00 4472640
pH Buffer 4 ID	pH 10.00 4415393
pH Buffer 5 ID	pH 13.00 4336301
pH Buffer 6 ID	pH 7.00 4253815 (LCS Second Source)
pH Meter Calibration Slope	97.6
Calibration Date and Time	11/20/21 07:15
Sufficient volume for sample dup	Yes

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Pittsbur Job No.: 180-130108-1

SDG No.:

Batch Number: 379620 Batch Start Date: 11/20/21 11:10 Batch Analyst: Houde, Michael J

Batch Method: SM 4500 H+ B Batch End Date: 11/20/21 11:50

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

CHAIN OF CUSTODY RECORD

COC NO.: 60335

PAGE 1 OF 1

Address: 2055 Niagara Falls Blvd NF NY

Phone: 716 297-6150 **Fax:**

Project No/ Phase/Task Code: 11201415-60	**Laboratory Name:** Eurofins Test America	**Lab Location:** Pittsburgh	**SSOW ID:**
Project Name: CBS Westinghouse SW Sampling	**Lab Contact:** Jill Colussy		**Cooler No:**
Project Location: Buffalo Airport Genesee Street			**Carrier:** FED EX
GHD Chemistry Contact: Paul McMahon			**Airbill No:**
Sampler(s): D. Tyran S. Gardner			**Total # of Containers:** 76

ANALYSIS REQUESTED (See Back of COC for Definitions)

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Filtered (Y/N)	SW 1,4 Dioxane	SW Metals	SW pH	SW TSS	Total Containers/sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
	PRESERVATION - (SEE BACK OF COC FOR ABBREVIATIONS)						HC	HN					
1	TB-11201415-111521-SG	11/15/21		TB	G	N	X				2		
2	WS-11201415-111521-SG-001	11/15/21	1330	WS	G	N	X	X	X	X	6		
3	WS-11201415-111521-SG-002	11/15/21	1400	WS	G	N	X	X	X	X	14	X	MS/MSD VOCs & Metals only
4	WS-11201415-111521-SG-003	11/15/21	1425	WS	G	N	X	X	X	X	6		
5	WS-11201415-111521-SG-004	11/15/21	1445	WS	G	N	X	X	X	X	6		
6	WS-11201415-111521-SG-005	11/15/21	1500	WS	G	N	X	X	X	X	6		
7	WS-11201415-111521-SG-006	11/15/21	1530	WS	G	N	X	X	X	X	6		
8	WS-11201415-111521-SG-007	11/15/21	1530	WS	G	N	X	X	X	X	6		
9	WS-11201415-111521-SG-008	11/15/21	1600	WS	G	N	X	X	X	X	6		
10	WS-11201415-111521-SG-009	11/15/21	1635	WS	G	N	X	X	X	X	6		
11	WS-11201415-111621-SG-010	11/16/21	1115	WS	G	N	X	X	X	X	6		
12	WS-11201415-111621-SG-011	11/16/21	1140	WS	G	N	X	X	X	X	6		

180-130108 Chain of Custody

TAT Required in business days (use separate COCs for different TATs):

☐ ☐1 Day ☐2 Days ☐3 Days ☐1 Week ☐2 Week

Other

Notes/ Special Requirements:

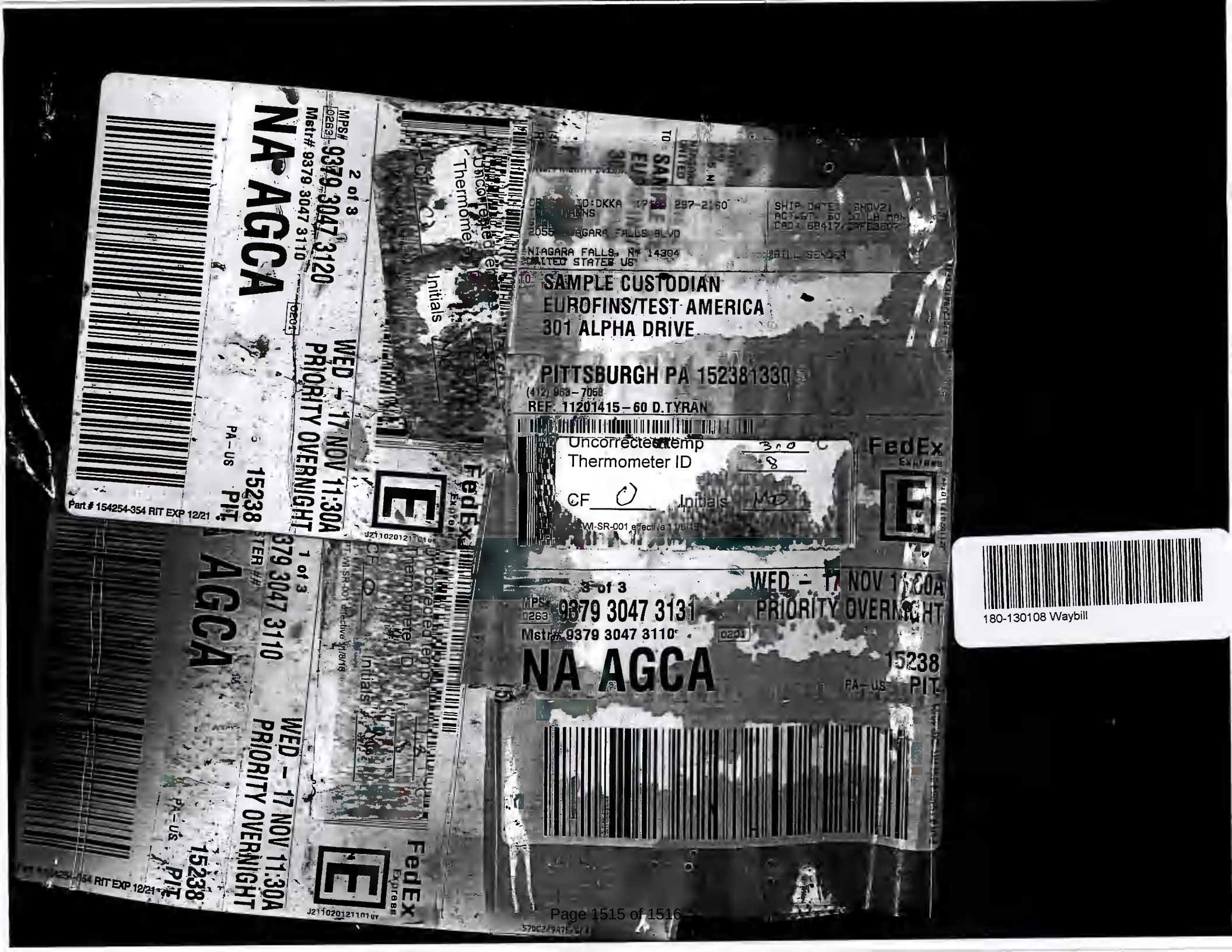
	RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1.	Dave Tyran	GHD	11/16/21	1423	[illegible]	EA Pitt	11/17/21	1000
2.					2.			
3.					3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

11/30/2021

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)


2 of 3
MPS# 9379 3047 3120
Mstr# 9379 3047 3110
NA AGCA
WED - 17 NOV 11:30A
PRIORITY OVERNIGHT
15238
PA-US
PIT
Part # 154254-354 RIT EXP 12/21
Uncorrected Temp
Thermometer ID
CF
Initials
SAMPLE CUSTODIAN
EUROFINS/TEST AMERICA
301 ALPHA DRIVE
PITTSBURGH PA 152381330
(412) 963-7058
REF: 11201415-60 D.TYRAN
FedEx
Express
3 of 3
9379 3047 3131
Mstr# 9379 3047 3110
1 of 3
9379 3047 3110
180-130108 Waybill

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 180-130108-1

Login Number: 130108
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins TestAmerica, Pittsburgh

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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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	

Attachment D

Data Validation Memo

Technical Memorandum

December 10, 2021

To	Maggie Popek	**Tel**	716-205-1970
Copy to	Dave Tyran	**Email**	Paul.mcmahon@ghd.com
From	Paul McMahon/cs/1	**Ref. No.**	11201415
Subject	Analytical Results and Reduced Validation Groundwater and Surface Water Monitoring Program Former Westinghouse Airport Site Cheektowaga, New York November 2021		

1. Introduction

This document details a reduced validation of analytical results for surface water and groundwater samples collected at the Cheektowaga, New York Site in November 2021. Samples were submitted to Eurofins TestAmerica, located in Pittsburgh, Pennsylvania. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

New York State Department of Conservation (NYSDEC) Category B deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, duplicate data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS), and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "USEPA National Functional Guidelines for Superfund Organic Methods Data Review", EPA-540-R-2016-002, September 2016

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", EPA 540-R-2016-001, September 2016

Items i) and ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times except pH. pH is a field parameter, and the associated laboratory results were qualified as estimated (see Table 4).

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compounds (VOCs) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met criteria.

5. Laboratory Control Sample (LCS) Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. Most LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy. One slightly low LCS recovery was reported, and the associated sample results were qualified as estimated (see Table 5).

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1. Additional MS/MSD analyses were performed internally by the laboratory.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7. Duplicate Sample Analyses – Inorganic Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory for general chemistry analyses. The duplicate results were evaluated per the "Guidelines". All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

8. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples and two field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blank samples were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one time the RL value.

Table 6 lists non-comparable field duplicate data. Associated sample data are qualified as noted in the table. The remaining field duplicate results were within acceptable agreement.

9. Analyte Reporting

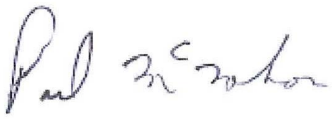
The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were reported as estimated (J) by the laboratory. Non-detect results were presented as non-detect at the RL in Table 2.

Due to matrix interferences from the internal standards, dilutions were required for the metals analysis of samples WG-11201415-111521-SG-008, WS-11201415-111521-SG-002, and WS-11201415-111521-SG-003. The reporting limits have been adjusted accordingly.

10. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the noted qualifications.

Regards,



Paul McMahon
Digital Data and Analytics Team Specialist

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Sample ID	Location ID	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters			Comments
				VOCs	Metals	pH/TSS	
Surface Water							
WS-11201415-111521-SG-009	1A	11/15/2021	16:35	X	X	X	
WS-11201415-111621-SG-010	1B	11/16/2021	11:15	X	X	X	
WS-11201415-111621-SG-011	1C	11/16/2021	11:40	X	X	X	
WS-11201415-111521-SG-004	2A	11/15/2021	14:45	X	X	X	
WS-11201415-111521-SG-005	2B	11/15/2021	15:00	X	X	X	
WS-11201415-111521-SG-006	2C	11/15/2021	15:30	X	X	X	Duplicate of WS-11201415-111521-SG-006
WS-11201415-111521-SG-007	2C	11/15/2021	15:30	X	X	X	
WS-11201415-111521-SG-008	2D	11/15/2021	16:00	X	X	X	
WS-11201415-111521-SG-001	3A	11/15/2021	13:30	X	X	X	
WS-11201415-111521-SG-002	3B	11/15/2021	14:00	X	X	X	MS/MSD
WS-11201415-111521-SG-003	3C	11/15/2021	14:25	X	X	X	
TB-11201415-111521-SG	-	11/15/2021	-	X			Trip Blank

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Sample ID	Location ID	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters: VOCs	Metals	pH/TSS	Comments
Groundwater							
WG-11201415-111521-SG-008	MW-2	11/15/2021	12:30	X	X		
WG-11201415-111521-SG-006	MW-28	11/15/2021	11:15	X	X		
WG-11201415-111621-DT-007	MW-30	11/16/2021	10:45	X	X		
WG-11201415-111521-DT-001	MW-31	11/15/2021	10:50	X	X		
WG-11201415-111521-DT-003	MW-32	11/15/2021	12:35	X	X		
WG-11201415-111621-SG-009	MW-33	11/16/2021	12:50	X	X		
WG-11201415-111621-SG-011	MW-34	11/16/2021	10:30	X	X		
WG-11201415-111621-SG-010	MW-34D	11/16/2021	09:25	X	X		MS/MSD
WG-11201415-111621-DT-005	MW-35	11/16/2021	09:15	X	X		
WG-11201415-111521-SG-002	MW-5	11/15/2021	09:25	X	X		
WG-11201415-111521-SG-004	MW-5	11/15/2021	09:25	X	X		Duplicate of WG-11201415-111521-SG-002
TB-11201415111521-DT	-	11/15/2021	-	X			Trip Blank

Notes:

- - Not applicable
MS - Matrix Spike
MSD - Matrix Spike Duplicate
VOCs - Volatile Organic Compounds
TSS - Total Suspended Solids

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Location ID:		**1A**	**1B**	**1C**	**2A**
Sample Name:		**WS-11201415-111521-SG-009**	**WS-11201415-111621-SG-010**	**WS-11201415-111621-SG-011**	**WS-11201415-111521-SG-004**
Sample Date:		**11/15/2021**	**11/16/2021**	**11/16/2021**	**11/15/2021**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	--	--	--	--
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.80 J	1.0 U	6.2
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	0.48 J	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	81
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.53 J
Metals					
Cadmium	µg/L	1.2 J	5.0 U	5.0 U	0.38 J
Chromium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Lead	µg/L	10 U	10 U	10 U	10 U
General Chemistry					
Temperature, at time of pH analysis	Deg C	21.3	21.3	21.2	22.9
Total suspended solids (TSS)	mg/L	9.1	2.7	4.2	1.7
pH, lab	s.u.	7.9 J	8.2 J	8.1 J	8.2 J

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

	Location ID:	2B	2C	2C	2D
	Sample Name:	WS-11201415-111521-SG-005	WS-11201415-111521-SG-006	WS-11201415-111521-SG-007	WS-11201415-111521-SG-008
	Sample Date:	11/15/2021	11/15/2021	11/15/2021	11/15/2021
				Duplicate	
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	--	--	--	--
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	4.3	7.4	9.6	11
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	2.1	3.9	4.9	0.95 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	9.9	14	18	60
Vinyl chloride	µg/L	0.57 J	1.3	1.7	1.1
Metals					
Cadmium	µg/L	5.0 U	0.37 J	0.44 J	5.0 U
Chromium	µg/L	3.1 J	7.8	13	5.9
Lead	µg/L	10 U	15	17	4.9 J
General Chemistry					
Temperature, at time of pH analysis	Deg C	22.0	21.9	21.6	21.7
Total suspended solids (TSS)	mg/L	82	150 J	440 J	94
pH, lab	s.u.	9.5 J	9.1 J	9.3 J	8.6 J

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Location ID:		**3A**	**3B**	**3C**	**MW-2**
Sample Name:		**WS-11201415-111521-SG-001**	**WS-11201415-111521-SG-002**	**WS-11201415-111521-SG-003**	**WG-11201415-111521-SG-008**
Sample Date:		**11/15/2021**	**11/15/2021**	**11/15/2021**	**11/15/2021**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	--	--	--	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	--
cis-1,2-Dichloroethene	µg/L	4.3	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	--
Tetrachloroethene	µg/L	1.8	1.0 U	1.0 U	--
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	8.2	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.54 J	1.0 U	1.0 U	1.0 U
Metals					
Cadmium	µg/L	0.41 J	25 U	2.3 J	0.65 J
Chromium	µg/L	12	25 U	13 J	--
Lead	µg/L	19	50 U	45 J	20 U
General Chemistry					
Temperature, at time of pH analysis	Deg C	23.3	22.5	21.9	--
Total suspended solids (TSS)	mg/L	69	20	270	--
pH, lab	s.u.	9.2 J	8.1 J	7.9 J	--

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Location ID:		**MW-28**	**MW-30**	**MW-31**	**MW-32**
Sample Name:		**WG-11201415-111521-SG-006**	**WG-11201415-111621-DT-007**	**WG-11201415-111521-DT-001**	**WG-11201415-111521-DT-003**
Sample Date:		**11/15/2021**	**11/16/2021**	**11/15/2021**	**11/15/2021**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	--	--	--	--
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.8
Methylene chloride	µg/L	--	--	--	--
Tetrachloroethene	µg/L	--	--	--	--
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.71 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.88 J
Metals					
Cadmium	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chromium	µg/L	--	--	--	--
Lead	µg/L	8.3 J	10 U	10 U	3.5 J
General Chemistry					
Temperature, at time of pH analysis	Deg C	--	--	--	--
Total suspended solids (TSS)	mg/L	--	--	--	--
pH, lab	s.u.	--	--	--	--

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Location ID:		**MW-33**	**MW-34**	**MW-34D**
Sample Name:		**WG-11201415-111621-SG-009**	**WG-11201415-111621-SG-011**	**WG-11201415-111621-SG-010**
Sample Date:		**11/16/2021**	**11/16/2021**	**11/16/2021**
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	1.0 UJ	1.0 UJ	1.0 U
1,2-Dichlorobenzene	µg/L	--	--	--
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	--	--	--
Tetrachloroethene	µg/L	--	--	--
Toluene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Metals				
Cadmium	µg/L	5.0 U	5.0 U	0.35 J
Chromium	µg/L	--	--	--
Lead	µg/L	10 U	10 U	10 U
General Chemistry				
Temperature, at time of pH analysis	Deg C	--	--	--
Total suspended solids (TSS)	mg/L	--	--	--
pH, lab	s.u.	--	--	--

Table 2

Analytical Results Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Location ID:		**MW-35**	**MW-5**	**MW-5**
Sample Name:		**WG-11201415-111621-DT-005**	**WG-11201415-111521-SG-002**	**WG-11201415-111521-SG-004**
Sample Date:		**11/16/2021**	**11/15/2021**	**11/15/2021**
				Duplicate
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	--	--	--
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	--	--	--
Tetrachloroethene	µg/L	--	--	--
Toluene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Metals				
Cadmium	µg/L	5.0 U	5.0 U	5.0 U
Chromium	µg/L	--	--	--
Lead	µg/L	10 U	10 U	2.9 J
General Chemistry				
Temperature, at time of pH analysis	Deg C	--	--	--
Total suspended solids (TSS)	mg/L	--	--	--
pH, lab	s.u.	--	--	--

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
-- - Not Analyzed
s.u. - Standard Units

Table 3

Sample Holding Time Criteria and Analytical Method Summary
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Parameter	Matrix	Analytical Method	Collection to Analysis
Total Metals	Water	200.7 (1)	180 Days
Volatile Organic Compounds	Water	624.1 (2)	14 Days
pH	Water	SM 4500 H+ B (3)	Immediate
Total Suspended Solids	Water	SM 2540D (3)	7 Days

Notes:

(1) - Referenced from "Methods for the Chemical Analysis of Water and Wastes", (MCAWW), USEPA-600/4-79-020, March 1983 and subsequent revisions

(2) - Referenced from "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", USEPA-600/4-82-057, July 1982 and subsequent revisions

(3) - "Standard Methods for the Examination of Water and Wastewater", 20th Edition, (with subsequent revisions)

Table 4

Qualified Sample Results Due to Holding Time Exceedances
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Parameter	Holding Time Criteria	Holding Time	Sample ID	Qualified Sample Results	Units
pH	15 minutes	5 days	WS-11201415-111521-SG-009	7.9 J	s.u.
		4 days	WS-11201415-111621-SG-010	8.2 J	s.u.
		4 days	WS-11201415-111621-SG-011	8.1 J	s.u.
		5 days	WS-11201415-111521-SG-001	9.2 J	s.u.
		5 days	WS-11201415-111521-SG-002	8.1 J	s.u.
		5 days	WS-11201415-111521-SG-003	7.9 J	s.u.
		5 days	WS-11201415-111521-SG-004	8.2 J	s.u.
		5 days	WS-11201415-111521-SG-005	9.5 J	s.u.
		5 days	WS-11201415-111521-SG-006	9.1 J	s.u.
		5 days	WS-11201415-111521-SG-007	9.3 J	s.u.
		5 days	WS-11201415-111521-SG-008	8.6 J	s.u.

Notes:

J - Estimated concentration
s.u. - Standard Units

Table 5

Qualified Sample Results Due to Outlying Laboratory Control Sample Results
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	Control Limits % Recovery	Associated Sample ID	Qualified Results	Units
VOCs	1,1,1-Trichloroethane	11/26/21	65	70-130	WG-11201415-111621-SG-011	1.0 UJ	µg/L
					WG-11201415-111621-SG-009	1.0 UJ	µg/L

Notes:

LCS - Laboratory Control Sample
UJ - Not detected; associated reporting limit is estimated
VOCs - Volatile Organic Compounds

Table 6

Qualified Sample Results Due to Variability in Field Duplicate Results
Groundwater and Surface Water Monitoring Program
Former Westinghouse Airport Site
Cheektowaga, New York
November 2021

Parameter	Analyte	RPD	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
General Chemistry	TSS	98	WS-11201415-111521-SG-006	150 J	WS-11201415-111521-SG-007	440 J	mg/L

Notes:

RPD - Relative Percent Difference
J - Estimated concentration
TSS - Total Suspended Solids

Attachment E

Statistical Memo

Technical Memorandum

February 24, 2022

To	Maggie Popek	**Tel**	519-340-3959
Copy to	Jim Kay	**Email**	Wes.Dyck@GHD.com
From	Wesley Dyck, M. Sc.	**Ref. No.**	11201415
Subject	Statistical Trend Analysis of Metals and VOC Concentrations in Surface Water NYSDEC Site No. 9-15-066, Cheektowaga, New York		

1. Introduction

Surface water sampling has previously been conducted in the Niagara Frontier Transportation Authority (NFTA) storm sewer system as part of the remedial program for Operable Unit 2 (OU2) at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (Site). Sampling at up to 10 manhole locations was carried out in 2008-2009 prior to Site closure, in 2014-2016 post-closure, and again in November 2021. Monitoring locations are shown on Figure 1 in the *Groundwater and Surface Water Sampling Field Summary Report* (GHD, 2022). In the post-closure monitoring report (CBS, 2017), a comparison of post-closure vs. pre-closure concentrations of key volatile organic compound (VOC) and metal analytes in surface water is presented which utilizes statistical trend tests (Mann-Kendall) according to a previously-approved Work Plan (CBS, 2013). The current evaluation updates these trend tests incorporating the data generated by laboratory analysis of additional samples collected during November 2021.

2. Statistical Methodology

Trend evaluation was carried out using the Mann-Kendall trend test, consistent with the post-closure monitoring report and associated work plan (CBS, 2017; 2013). The Mann-Kendall test is commonly applied to evaluate environmental monitoring data (United States Geological Survey [USGS], 2020; United States Environmental Protection Agency [USEPA], 2006). It is a non-parametric (rank-based) method that evaluates a set of data for a monotonic (unidirectional) trend. The procedure makes no assumptions regarding the shape of the trend (e.g., linear, log linear), except that it is in a single direction (i.e., either consistently upward or downward). The test is a robust procedure suitable for general trend analysis, but loses sensitivity if a large proportion of censored data (non-detect results) is present. The test should therefore not be applied for highly censored data sets with few detected results (e.g., data sets with more than 50 percent non-detects and fewer than four detects). The Mann-Kendall trend test also makes an implicit assumption that sampling frequencies over time are consistent (at least approximately), since each time point is assigned equal weight in the calculations.

The surface water sampling history at the Site is somewhat variable, with each manhole location generally being sampled once or twice pre-closure (in 2008-2009), sampled roughly quarterly post-closure (9 events in 2014-2016), and once in 2021. As such, the Mann-Kendall trend tests are most influenced by the 2014-2016 sampling results which comprise up to 90 percent of some data sets. Nonetheless, the Mann-Kendall test was utilized for consistency with the previous evaluation (CBS, 2017) and approved Work Plan (CBS, 2013).

A detailed description and instructions for conducting the Mann-Kendall trend test are available in Section 17.3.2 of USEPA (2009). Computations may also be performed using publicly-available software such as USEPA's ProUCL[1], the GSI toolkit[2] (used in the 2017 assessment) or R.

In conducting the Mann-Kendall trend tests, a significance level of 0.05 (i.e., 95 percent confidence) was used for data sets with more than four samples. This confidence level (95 percent) is commonly utilized and is frequently found in USEPA statistical guidance examples (e.g., Box 4-8 and Box 4-10 of USEPA, 2006). Performing the trend tests at a confidence level of 0.05 ensures a false positive rate (concluding a significant trend when none is present) of no more than 1 in 20. Results falling between 90-95 percent confidence were identified as probable trends. Specifically, in its Monitoring and Remediation Optimization System (MAROS) the Air Force Center for Environmental Excellence (AFCEE) (2007) provides a decision matrix for the classification of trend results, given in the following table. Note that in the table, the coefficient of variation (CoV) is the standard deviation of the untransformed data divided by the mean, which is a relative measure of variation. For consistency with the previous evaluation, approach in MAROS was utilized to interpret the Mann-Kendall trend test results.

Table 1 MAROS Mann-Kendall Conclusion Definitions

Probability of Significance	Mann-Kendall Statistic (S)	Coefficient of Variation (CoV)	Classification of Concentration Trend
≤ 0.05	Positive	--	Increasing
	Negative	--	Decreasing
0.05 – 0.10	Positive	--	Probably Increasing
	Negative	--	Probably Decreasing
> 0.10	Positive	--	No Trend
	Negative or zero	≥ 1	No Trend
		< 1	Stable

In carrying out the Mann-Kendall trend tests, the following approach was utilized:

– Any field duplicate results were averaged prior to carrying out the trend analysis. If one field duplicate yielded a detected result and the other was a non-detect, the detected result was conservatively retained to represent a maximum estimate of the parameter concentration at the location.

– No trend test was performed for data sets containing three or fewer detected results.

– Any non-detect results were assigned a common value below all detected concentrations prior to calculations (per USEPA, 2015). Note that the approach of substituting 20 percent of the reporting limit for non-detects used in CBS's 2017 evaluation can lead to erroneous findings of an apparent trend due to changes in laboratory reporting limits.

– Any individual observations with ambiguous rankings for the trend tests (i.e. either a detected value - typically J-qualified - below other detection limits; or an elevated detection limit above other detected values) was dealt with on a case-by-case basis to obtain the most appropriate trend test. Specifically, to resolve such ambiguities an approach of maximizing the amount of usable data was taken:

  - If a small proportion of non-detects with detection limits higher than some low detected values was present, these non-detects were removed from consideration, in order to remove ambiguous comparisons while retaining as many actual detected concentrations as possible. This was only done if a sufficient number of detected and estimated detected values remained (at least 4)
  - When a data set contained only a small proportion of low estimated values below non-detects with higher detection limits, these low values were censored to the highest reporting/quantification limit (per USEPA, 2015), as long as the resulting data set contained no more than 50 percent non-detects

[1] https://www.epa.gov/land-research/proucl-software
[2] https://www.gsienv.com/product/data-managment-tool

- If a data set contained non-detects with *elevated* (and varying) detection limits above detected concentrations (e.g., due to matrix interference), then the non-detects with elevated detection limits were removed from consideration (which is preferable to censoring all lower detected values and likely resulting in an untestable data set containing over 50 percent non-detects).

Two sets of trend tests were performed:

1. All data, including both pre-closure (2008-2009) and post-closure (2014-2021) results
2. Post-closure (2014-2021) data only

The surface water quality analytes considered in the 2017 evaluation were retained for the present evaluation, specifically:

– Three metals – cadmium, chromium and lead
– Two individual VOCs – trichloroethene (TCE) and tetrachloroethene (PCE)
– Total VOCs – both as a mass concentration (µg/L) and as a molar concentration (nmol/L)

Total VOCs were computed for each sample as the sum of the chlorinated alkenes: TCE, PCE, cis-1,2-dichloroethene (c12DCE), and vinyl chloride (VC). These sums considered only VOCs that were detected in a given sample to avoid ambiguity when trying to combine detected concentrations with varying reporting limits (e.g., when reporting limits rise 5-fold for a given event due to matrix interference or instrument problems, interpreting this as a large change in VOC concentrations is entirely conjectural). For samples where none of the four VOCs were detected the total VOC sum was taken as < 1 µg/L (the most frequent VOC reporting limit) and converted to a molar concentration of < 6 nmol/L for PCE (which has the largest molar mass of the 4 VOCs).

3. Trend Test Results

The findings of the Mann-Kendall trend tests are summarized in Table 2 (following text), with more detailed results and descriptive statistics provided in Attachment 1 (for the All-Data tests) and Attachment 2 (for the Post-Closure Data tests). Statistics for all of the compounds included in the total VOCs sums are included in the Attachments.

Trend tests were carried out on a per-analyte, per-location basis, where the data set was suitable for conducting a meaningful test. Of the ten sampling locations included in monitoring, one (MH-1C) had no VOC or metal analytes with sufficient detections in surface water to permit trend testing. Two other locations (MH-3B and MH-3C) were not sampled prior to closure, and therefore only post-closure trends could be assessed for analyte concentrations in water collected from these locations. Cadmium was infrequently detected in samples from most locations excepting MH-1A and MH-3C, again preventing trend testing in most cases. For the remaining locations/analytes, sufficient detected concentration data were available to perform meaningful trend tests, including most of the VOC analytes of interest (i.e., total VOCs, TCE, and PCE), chromium, and lead.

4. Discussion and Conclusions

The present trend analysis for select VOCs and metals in stormwater collection structures at the Site has demonstrated that concentrations of total VOCs, TCE, PCE, chromium, lead, and cadmium (where detected) have predominantly been stable exhibiting no significant trends over time following Site closure. As described above, statistically significant decreasing trends in concentrations of TCE, PCE and/or total VOCs in water from MH-2B and MH-3A demonstrate that contaminant reduction has occurred compared to pre-closure conditions. These findings provide ample evidence that closure of the groundwater collection and treatment system for OU2 at the site has not resulted in any rebound of concentrations of chromium, cadmium, TCE, PCE or total VOCs in surface water.

An increasing trend in lead concentrations in water collected from MH-3A following closure (2014 – 2021) is evident, albeit at fairly low concentrations (most recently at 19 µg/L compared to the laboratory reporting limit of 10 µg/L). This concentration remains below the remedial action objective of 25 µg/L for lead in groundwater and below the groundwater effluent limitation of 50 µg/L for discharge of lead to Class GA waters.

It is noted that the trend test results are mainly reflective of the results from quarterly sampling between 2014-2016, which comprise up to 90 percent of the observations in each data set tested. This high influence may potentially obscure changes compared to pre-closure conditions (2008-2009) or in the most recent sampling (2021). This is a limitation to the statistical analysis.

Overall, the results of the trend tests of analyte concentrations in surface water collected from ten monitoring locations at the Site show stable or decreasing concentrations of key contaminants for the Site.

Regards

Wesley Dyck, M. Sc.
Science Leader

5. References

CBS, 2013. Work Plan – Revision 1, Closure of Groundwater Collection and Treatment System, NYSDEC Site No. 9-15-066, Operable Unit 2, Cheektowaga, New York. Prepared by CBS Corporation, Pittsburgh, Pennsylvania, December 2, 2013.

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Table 2
Results of Mann-Kendall Trend Analysis of Storm Sewer Data
Site No. 9-15-066, Cheektowaga, New York

i) All Data (2008-2021)

Data Set	Trend Test Conclusion and Confidence Level									
	MH-1A	MH-1B	MH-1C	MH-2A	MH-2B	MH-2C	MH-2D	MH-3A	MH-3B	MH-3C
Total VOCs (nmol/L)	No trend (5%)	No trend (77%)	--	Stable (26%)	**Decreasing (98.6%)**	Stable (0%)	No trend (35%)	**Decreasing (>99.99%)**	‡	‡
Total VOCs (µg/L)	No trend (11%)	No trend (52%)	--	Stable (26%)	**Decreasing (98.6%)**	Stable (0%)	No trend (35%)	**Decreasing (>99.99%)**	‡	‡
Trichloroethene (TCE)	**	No trend (25%)	--	Stable (5.4%)	**Decreasing (98.0%)**	Stable (12%)	No trend (29%)	**Decreasing (>99.99%)**	‡	‡
Tetrachloroethene (PCE)	No trend (21%)	--	--	No trend (73%)	**Decreasing (98.0%)**	Stable (0%)	**	No trend (63%)	‡	‡
Cadmium	No trend (81%)	--	--	--	--	--	Stable (67%)	--	‡	‡
Chromium	Stable (60%)	**	--	**	Stable (18%)	Stable (12%)	No trend (34%)	Stable (0%)	‡	‡
Lead	Stable (18%)	--	--	**	No trend (0%)	**	No trend (45%)	**	‡	‡

ii) Post-Closure Data (2014-2021)

Data Set	Trend Test Conclusion and Confidence Level									
	MH-1A	MH-1B	MH-1C	MH-2A	MH-2B	MH-2C	MH-2D	MH-3A	MH-3B	MH-3C
Total VOCs (nmol/L)	Stable (62%)	No trend (67%)	--	Stable (27%)	Stable (84%)	Stable (52%)	No trend (27%)	**Decreasing (99.5%)**	Stable (23%)	--
Total VOCs (µg/L)	Stable (57%)	No trend (25%)	--	Stable (27%)	Stable (84%)	Stable (52%)	No trend (27%)	**Decreasing (99.5%)**	Stable (23%)	--
Trichloroethene (TCE)	Stable (64%)	No trend (25%)	--	Stable (14%)	Stable (84%)	Stable (52%)	No trend (21%)	**Decreasing (99.7%)**	Stable (23%)	--
Tetrachloroethene (PCE)	Stable (46%)	--	--	No trend (52%)	Stable (78%)	Stable (52%)	No trend (44%)	No trend (35%)	--	--
Cadmium	No trend (84%)	--	--	--	--	--	--	--	--	No trend (0%)
Chromium	Stable (44%)	Stable (46%)	--	Stable (89.2%)	Stable (46%)	Stable (40%)	No trend (0%)	No trend (27%)	Stable (8%)	Stable (34%)
Lead	Stable (0%)	--	--	No trend (84%)	Stable (18%)	Stable (0%)	No trend (0%)	**Increasing (98.3%)**	No trend (0%)	No trend (0%)

Note:
"--" Indicates that no trend test could be performed due to low analyte detectability (i.e., detected in fewer than 4 samples).
** -- All pre-closure data were non-detects with reporting limits above subsequent detected values (causing ambiguous comparisons), therefore only post-closure trends could be meaningfully assessed.
‡ -- MH-3B and MH-3C were not sampled prior to closure, therefore only post-closure trends could be assessed.

Attachment 1

Trend Test Results
Pre- and Post-Closure Period

Attachment 1
Statistical Trend Test Results -- All Data (Pre- and Post-Closure)
Site No. 9-15-066
Cheektowaga, New York

					All Data		Trend Test Data								Comments
							Summary Statistics					Trend Test Results			
Location	Analyte	Units	Date Range		N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-1A																
	Cadmium	µg/L	4/16/2009	- 11/15/2021	11	0%	11	0%	0.54 J	3.8 J	0.58	Mann-Kendall	18	0.192	No trend	--
	Chromium	µg/L	4/16/2009	- 11/15/2021	11	27%	8	0%	0.80 J	5.7	0.70	Mann-Kendall	-8	0.398	Stable	Detects only test
	Lead	µg/L	4/16/2009	- 11/15/2021	10	50%	5	0%	2.0 J	9.2 J	0.68	Mann-Kendall	-2	0.816	Stable	Detects only test
	1,2-dichlorobenzene	µg/L	12/18/2008	- 11/15/2021	12	100%	12	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	12/18/2008	- 11/15/2021	12	92%	12	92%	0.24 J	1 U	0.16	--	--	--	>50% ND	--
	Methylene Chloride	µg/L	12/18/2008	- 11/15/2021	12	100%	12	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	12/18/2008	- 11/15/2021	12	83%	12	83%	0.20 J	1 U	0.02	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	12/18/2008	- 11/15/2021	12	0%	12	0%	0.25 J	2.4	0.51	Mann-Kendall	5	0.790	No trend	--
	Trichloroethylene	µg/L	12/18/2008	- 11/15/2021	12	58%	5	0%	0.17 J	0.25 J	0.16	Mann-Kendall	-5	0.359	Stable	Detects only test
	Vinyl Chloride	µg/L	4/16/2009	- 11/15/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	12/18/2008	- 11/15/2021	12	0%	12	0%	2.89	16.38	0.51	Mann-Kendall	2	0.946	No trend	--
	Total VOC (mass)	µg/L	12/18/2008	- 11/15/2021	12	0%	12	0%	0.47	2.65	0.50	Mann-Kendall	3	0.894	No trend	--
MH-1B																
	Cadmium	µg/L	4/16/2009	- 11/16/2021	11	82%	11	82%	0.97 J	5 U	0.15	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009	- 11/16/2021	11	64%	4	0%	0.84 J	3.7 J	0.80	Mann-Kendall	-3	0.542	Stable	Detects only test
	Lead	µg/L	4/16/2009	- 11/16/2021	10	80%	10	80%	1.6 J	50 U	0.46	--	--	--	>50% ND	--
	1,2-dichlorobenzene	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	4/16/2009	- 11/16/2021	11	73%	11	73%	0.32 J	1 U	0.34	--	--	--	>50% ND	--
	Methylene Chloride	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	4/16/2009	- 11/16/2021	11	91%	11	91%	0.26 J	1 U	0.15	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Trichloroethylene	µg/L	4/16/2009	- 11/16/2021	11	64%	4	0%	0.20 J	0.53 J	0.46	Mann-Kendall	2	0.750	No trend	Detects only test
	Vinyl Chloride	µg/L	4/16/2009	- 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	4/16/2009	- 11/16/2021	11	55%	5	0%	1.52	10.23	0.68	Mann-Kendall	6	0.234	No trend	Detects only test
	Total VOC (mass)	µg/L	4/16/2009	- 11/16/2021	11	55%	5	0%	0.2	1.11	0.63	Mann-Kendall	4	0.484	No trend	Detects only test
MH-1C																
	Cadmium	µg/L	4/16/2009	- 11/16/2021	11	82%	11	82%	0.18 J	5 U	0.05	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009	- 11/16/2021	11	82%	11	82%	0.78 J	5 U	0.28	--	--	--	>50% ND	--
	Lead	µg/L	4/16/2009	- 11/16/2021	10	100%	10	100%	3 U	10 U	0.24	--	--	--	100% ND	--
	1,2-dichlorobenzene	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Methylene Chloride	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	4/16/2009	- 11/16/2021	11	91%	11	91%	0.20 J	1 U	0.19	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	4/16/2009	- 11/16/2021	11	100%	11	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Trichloroethylene	µg/L	4/16/2009	- 11/16/2021	11	91%	11	91%	0.24 J	1 U	0.16	--	--	--	>50% ND	--
	Vinyl Chloride	µg/L	4/16/2009	- 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	4/16/2009	- 11/16/2021	11	91%	11	91%	1.83	6.03 U	0.12	--	--	--	>50% ND	--
	Total VOC (mass)	µg/L	4/16/2009	- 11/16/2021	11	91%	11	91%	0.24	1 U	0.16	--	--	--	>50% ND	--

Attachment 1
Statistical Trend Test Results -- All Data (Pre- and Post-Closure)
Site No. 9-15-066
Cheektowaga, New York

						Trend Test Data									Comments
				All Data		Summary Statistics					Trend Test Results				
Location	Analyte	Units	Date Range	N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-2A															
	Cadmium	µg/L	4/16/2009 - 11/15/2021	11	82%	11	82%	0.21 J	5 U	0.29	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009 - 11/15/2021	11	27%	8	0%	1.2 J	3.2 J	0.33	Mann-Kendall	-14	0.108	Stable	Detects only test
	Lead	µg/L	4/16/2009 - 11/15/2021	10	50%	5	0%	1.2 J	3.4 J	0.45	Mann-Kendall	7	0.159	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	12/18/2008 - 11/15/2021	12	100%	12	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	2.3	30	0.73	Mann-Kendall	-28	0.062	**Probably Decreasing**	--
	Methylene Chloride	µg/L	12/18/2008 - 11/15/2021	12	75%	12	75%	0.50 JB	5 U	1.23	--	--	--	>50% ND	--
	Toluene	µg/L	12/18/2008 - 11/15/2021	12	100%	12	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	12/18/2008 - 11/15/2021	12	50%	6	0%	0.55 J	2.7	0.62	Mann-Kendall	7	0.272	No trend	Detects only test
	Trichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	11	120	0.69	Mann-Kendall	-2	0.946	Stable	--
	Vinyl Chloride	µg/L	4/16/2009 - 11/15/2021	10	90%	10	90%	1 U	5 U	0.79	--	--	--	>50% ND	--
	Total VOC (moles)	nmol/L	12/18/2008 - 11/15/2021	12	0%	12	0%	110.53	1161.36	0.63	Mann-Kendall	-6	0.738	Stable	--
	Total VOC (mass)	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	13.6	143.58	0.64	Mann-Kendall	-6	0.738	Stable	--
MH-2B															
	Cadmium	µg/L	4/16/2009 - 11/15/2021	11	91%	11	91%	0.21 J	5 U	0.30	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	3.1 J	7.3	0.21	Mann-Kendall	-4	0.822	Stable	--
	Lead	µg/L	4/16/2009 - 11/15/2021	10	40%	6	0%	2.2 J	18	0.64	Mann-Kendall	1	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	12/18/2008 - 11/15/2021	12	100%	12	100%	1 U	5 U	0.66	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	4.3	52	0.41	Mann-Kendall	-34	0.020	**Decreasing**	--
	Methylene Chloride	µg/L	12/18/2008 - 11/15/2021	12	83%	12	83%	1 U	5 U	0.02	--	--	--	>50% ND	--
	Toluene	µg/L	12/18/2008 - 11/15/2021	12	75%	12	75%	0.16 J	5 U	0.34	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	2.1	19	0.52	Mann-Kendall	-34	0.020	**Decreasing**	--
	Trichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	9.9	150	0.61	Mann-Kendall	-34	0.020	**Decreasing**	--
	Vinyl Chloride	µg/L	4/16/2009 - 11/15/2021	10	30%	7	0%	0.57 J	1.7 J	0.42	Mann-Kendall	-19	0.003	**Decreasing**	Detects only test
	Total VOC (moles)	nmol/L	12/18/2008 - 11/15/2021	12	0%	12	0%	141.48	1792.5	0.51	Mann-Kendall	-36	0.014	**Decreasing**	--
	Total VOC (mass)	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	16.87	221.39	0.52	Mann-Kendall	-36	0.014	**Decreasing**	--
MH-2C															
	Cadmium	µg/L	4/16/2009 - 11/15/2021	11	73%	11	73%	0.34 J	5 U	0.08	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	2.6 J / 2.5 J	15	0.64	Mann-Kendall	-3	0.880	Stable	--
	Lead	µg/L	4/16/2009 - 11/15/2021	10	30%	7	0%	1.9 J	15 / 17	0.65	Mann-Kendall	-1	1.000	Stable	Detects only test
	1,2-dichlorobenzene	µg/L	4/16/2009 - 11/15/2021	11	100%	11	100%	1 U	5 U / 2 U	0.61	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	7.4 / 9.6	37 / 36	0.37	Mann-Kendall	2	0.940	No trend	--
	Methylene Chloride	µg/L	4/16/2009 - 11/15/2021	11	73%	11	73%	0.18 J	3 U / 3 U	1.23	--	--	--	>50% ND	--
	Toluene	µg/L	4/16/2009 - 11/15/2021	11	82%	11	82%	0.16 J	5 U / 2 U	0.24	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	3.9 / 4.9	15	0.38	Mann-Kendall	-1	1.000	Stable	--
	Trichloroethylene	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	14 / 18	69 / 68	0.36	Mann-Kendall	-3	0.880	Stable	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	0%	9	0%	0.63 J	3.1	0.55	Mann-Kendall	-11	0.309	Stable	Detects only test
	Total VOC (moles)	nmol/L	4/16/2009 - 11/15/2021	11	0%	11	0%	259.97	971.77	0.35	Mann-Kendall	-1	1.000	Stable	--
	Total VOC (mass)	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	30.4	115.45	0.35	Mann-Kendall	-1	1.000	Stable	--

Attachment 1
Statistical Trend Test Results -- All Data (Pre- and Post-Closure)
Site No. 9-15-066
Cheektowaga, New York

Location	Analyte	Units	Date Range	All Data		Trend Test Data									Comments
						Summary Statistics					Trend Test Results				
				N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-2D															
	Cadmium	µg/L	4/16/2009 - 11/15/2021	11	64%	4	0%	0.080 J	0.52 J	0.60	Mann-Kendall	-4	0.334	Stable	Detects only test
	Chromium	µg/L	4/16/2009 - 11/15/2021	11	9%	10	0%	0.88 J	35	1.28	Mann-Kendall	-6	0.664	No trend	Detects only test
	Lead	µg/L	4/16/2009 - 11/15/2021	10	20%	8	0%	1.3 J	52	1.39	Mann-Kendall	-6	0.548	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	4/16/2009 - 11/15/2021	11	100%	11	100%	1 U	5 U	0.88	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	2.9	73	0.98	Mann-Kendall	-11	0.446	Stable	--
	Methylene Chloride	µg/L	4/16/2009 - 11/15/2021	11	82%	11	82%	0.51 JB	5 U	0.84	--	--	--	>50% ND	--
	Toluene	µg/L	4/16/2009 - 11/15/2021	11	91%	11	91%	0.15 J	5 U	0.96	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	4/16/2009 - 11/15/2021	11	36%	7	0%	0.2 J	4.4	0.96	Mann-Kendall	5	0.562	No trend	Detects only test
	Trichloroethylene	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	19	1300	2.14	Mann-Kendall	-6	0.706	No trend	--
	Vinyl Chloride	µg/L	4/16/2009 - 11/15/2021	10	50%	5	0%	0.26 J	4.9	1.18	Mann-Kendall	-6	0.234	No trend	Detects only test
	Total VOC (moles)	nmol/L	4/16/2009 - 11/15/2021	11	0%	11	0%	183.33	10658.71	1.92	Mann-Kendall	-7	0.648	No trend	--
	Total VOC (mass)	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	23.4	1374.31	1.97	Mann-Kendall	-7	0.648	No trend	--
MH-3A															
	Cadmium	µg/L	4/16/2009 - 11/15/2021	11	82%	11	82%	0.25 J	5 U	0.24	--	--	--	>50% ND	--
	Chromium	µg/L	4/16/2009 - 11/15/2021	11	0%	11	0%	2.7 J	13	0.55	Mann-Kendall	-1	1.000	Stable	--
	Lead	µg/L	4/16/2009 - 11/15/2021	10	50%	5	0%	1.7 J / 2.8 J	19	0.90	Mann-Kendall	10	0.017	**Increasing**	Detects only test
	1,2-dichlorobenzene	µg/L	12/18/2008 - 11/15/2021	12	100%	12	100%	1 U / 1 U	25 U	1.10	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	4.3	63	0.62	Mann-Kendall	-29	0.054	**Probably Decreasing**	--
	Methylene Chloride	µg/L	12/18/2008 - 11/15/2021	12	92%	12	92%	1 U / 1 U	16 JB	1.28	--	--	--	>50% ND	--
	Toluene	µg/L	12/18/2008 - 11/15/2021	12	100%	12	100%	1 U / 1 U	25 U	1.09	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	12/18/2008 - 11/15/2021	12	50%	6	0%	0.91 J / 0.96 J	2	0.27	Mann-Kendall	6	0.371	No trend	Detects only test
	Trichloroethylene	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	8.2	450	1.00	Mann-Kendall	-49	0.000	**Decreasing**	--
	Vinyl Chloride	µg/L	4/16/2009 - 11/15/2021	10	40%	6	0%	0.54 J	1.6 J	0.37	Mann-Kendall	-1	1.000	Stable	Detects only test
	Total VOC (moles)	nmol/L	12/18/2008 - 11/15/2021	12	0%	12	0%	126.25	4074.48	0.89	Mann-Kendall	-48	0.000	**Decreasing**	--
	Total VOC (mass)	µg/L	12/18/2008 - 11/15/2021	12	0%	12	0%	14.87	513	0.92	Mann-Kendall	-48	0.000	**Decreasing**	--
MH-3B															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.21 J	25 U	0.10	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	10%	9	0%	1.4 J	17	0.75	Mann-Kendall	-2	0.920	Stable	Detects only test
	Lead	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	1.2 J	43 / 48	1.67	Mann-Kendall	0	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.48 JB	5 U	0.66	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	30%	7	0%	0.21 J	1.7	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	100%	9	100%	1 U / 1 U	5 U	0.93	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	30%	7	0%	1.60	12.94	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	30%	7	0%	0.21	1.7	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test

Attachment 1
Statistical Trend Test Results -- All Data (Pre- and Post-Closure)
Site No. 9-15-066
Cheektowaga, New York

Location	Analyte	Units	Date Range	All Data N	All Data % ND	Trend Test Data: Summary Statistics N	% ND	Minimum	Maximum	CoV	Trend Test Results: Method	Stat.	Prob.	Conclusion	Comments
MH-3C															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	60%	4	0%	0.32 J	8.9 J / 5.4 J	1.24	Mann-Kendall	0	1.000	No trend	Detects only test
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	1.9 J	27 / 31	0.81	Mann-Kendall	-6	0.664	Stable	--
	Lead	µg/L	11/24/2014 - 11/15/2021	9	11%	8	0%	2.3 J	100 / 91	1.20	Mann-Kendall	0	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.48 JB	3.0 J	1.03	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.18 J / 0.16 J	5 U	0.50	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.18 J / 0.14 J	5 U	0.90	--	--	--	>50% ND	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	100%	9	100%	1 U	5 U	0.92	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	70%	10	70%	1.22	13.70	0.90	--	--	--	>50% ND	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.16	1.8	0.90	--	--	--	>50% ND	--

Notes:
N -- Number of observations/samples
% ND -- Percentage of non-detect (less-than) results
CoV -- Coefficient of variation (standard deviation ÷ mean)
Stat -- Trend test statistic (Mann-Kendall "S" value)
Prob -- Probability of significance, interpreted as follows:

Probability	M-K Statistic (S)	CoV	Classification
<0.05	Positive	--	Increasing
	Negative	--	Decreasing
0.05-0.10	Positive	--	Probably Increasing
	Negative	--	Probably Decreasing
>0.10	Positive	--	No Trend
	Negative or zero	≥ 1	No Trend
		< 1	Stable

Source: Air Force Center for Environmental Excellence (AFCEE) "Appendix A.2: Statistical Trend Analysis Methods" In "Monitoring and Remediation Optimization System (MAROS) Software Version 2.2 User's Guide", 2007.

Where a data set contained ambiguous comparisons due to non-detect results with higher reporting limits than other detected results, these were excluded from the trend test. In some cases all non-detects were excluded (see Comments). Any field duplicate results were averaged prior to conducting the trend test. If one duplicate was a non-detect and the other a detect, the detected value was conservatively used.

Attachment 2

Trend Test Results

Post-Closure Period Only

Attachment 2
Statistical Trend Test Results -- Post-Closure Data (2014+)
Site No. 9-15-066
Cheektowaga, New York

						Trend Test Data									Comments
				All Data		Summary Statistics					Trend Test Results				
Location	Analyte	Units	Date Range	N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-1A															
	Cadmium	µg/L	7/14/2014 - 11/15/2021	10	0%	10	0%	0.54 J	3.8 J	0.59	Mann-Kendall	17	0.156	No trend	--
	Chromium	µg/L	7/14/2014 - 11/15/2021	10	30%	7	0%	0.80 J	5.7	0.78	Mann-Kendall	-5	0.562	Stable	Detects only test
	Lead	µg/L	11/24/2014 - 11/15/2021	9	56%	4	0%	2.0 J	9.2 J	0.83	Mann-Kendall	0	1.000	Stable	Detects only test
	1,2-dichlorobenzene	µg/L	7/14/2014 - 11/15/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/14/2014 - 11/15/2021	10	90%	10	90%	0.24 J	1 U	0.17	--	--	--	>50% ND	--
	Methylene Chloride	µg/L	7/14/2014 - 11/15/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	7/14/2014 - 11/15/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/14/2014 - 11/15/2021	10	0%	10	0%	0.25 J	2.4	0.51	Mann-Kendall	-8	0.542	Stable	--
	Trichloroethylene	µg/L	7/14/2014 - 11/15/2021	10	50%	5	0%	0.17 J	0.25 J	0.16	Mann-Kendall	-5	0.359	Stable	Detects only test
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	100%	9	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/14/2014 - 11/15/2021	10	0%	10	0%	2.89	16.38	0.48	Mann-Kendall	-11	0.380	Stable	--
	Total VOC (mass)	µg/L	7/14/2014 - 11/15/2021	10	0%	10	0%	0.47	2.65	0.48	Mann-Kendall	-10	0.432	Stable	--
MH-1B															
	Cadmium	µg/L	7/14/2014 - 11/16/2021	10	90%	10	90%	0.97 J	5 U	0.21	--	--	--	>50% ND	--
	Chromium	µg/L	7/14/2014 - 11/16/2021	10	60%	4	0%	0.84 J	3.7 J	0.80	Mann-Kendall	-3	0.542	Stable	Detects only test
	Lead	µg/L	11/24/2014 - 11/16/2021	9	78%	9	78%	1.6 J	50 U	0.42	--	--	--	>50% ND	--
	1,2-dichlorobenzene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/14/2014 - 11/16/2021	10	70%	10	70%	0.32 J	1 U	0.34	--	--	--	>50% ND	--
	Methylene Chloride	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/14/2014 - 11/16/2021	10	70%	10	70%	0.20 J	1 U	0.36	--	--	--	>50% ND	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/16/2021	9	100%	9	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/14/2014 - 11/16/2021	10	60%	4	0%	1.52	10.23	0.55	Mann-Kendall	4	0.334	No trend	Detects only test
	Total VOC (mass)	µg/L	7/14/2014 - 11/16/2021	10	60%	4	0%	0.2	1.11	0.52	Mann-Kendall	2	0.750	No trend	Detects only test
MH-1C															
	Cadmium	µg/L	7/14/2014 - 11/16/2021	10	80%	10	80%	0.18 J	5 U	0.05	--	--	--	>50% ND	--
	Chromium	µg/L	7/14/2014 - 11/16/2021	10	80%	10	80%	0.78 J	5 U	0.28	--	--	--	>50% ND	--
	Lead	µg/L	11/24/2014 - 11/16/2021	9	100%	9	100%	10 U	10 U	0.00	--	--	--	100% ND	--
	1,2-dichlorobenzene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Methylene Chloride	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Toluene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/14/2014 - 11/16/2021	10	100%	10	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/14/2014 - 11/16/2021	10	90%	10	90%	0.24 J	1 U	0.17	--	--	--	>50% ND	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/16/2021	9	100%	9	100%	1 U	1 U	0.00	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/14/2014 - 11/16/2021	10	90%	10	90%	1.83	6.03 U	0.13	--	--	--	>50% ND	--
	Total VOC (mass)	µg/L	7/14/2014 - 11/16/2021	10	90%	10	90%	0.24	1 U	0.17	--	--	--	>50% ND	--

Attachment 2
Statistical Trend Test Results -- Post-Closure Data (2014+)
Site No. 9-15-066
Cheektowaga, New York

						Trend Test Data									Comments
				All Data		Summary Statistics					Trend Test Results				
Location	Analyte	Units	Date Range	N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-2A															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.21 J	5 U	0.29	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	20%	8	0%	1.2 J	3.2 J	0.33	Mann-Kendall	-14	0.108	Stable	Detects only test
	Lead	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	1.2 J	3.4 J	0.45	Mann-Kendall	7	0.159	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.88	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	2.3	21	0.73	Mann-Kendall	-9	0.484	Stable	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.50 JB	5 U	1.18	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.88	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	50%	5	0%	0.55 J	2.7	0.64	Mann-Kendall	4	0.484	No trend	Detects only test
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	11	120	0.74	Mann-Kendall	-3	0.862	Stable	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	89%	9	89%	1 U	5 U	0.76	--	--	--	>50% ND	--
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	0%	10	0%	110.53	1161.36	0.72	Mann-Kendall	-5	0.728	Stable	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	13.6	143.58	0.72	Mann-Kendall	-5	0.728	Stable	--
MH-2B															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	90%	10	90%	0.21 J	5 U	0.32	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	3.1 J	7.3	0.22	Mann-Kendall	-8	0.542	Stable	--
	Lead	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	2.2 J	18	0.62	Mann-Kendall	-2	0.816	Stable	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.60	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	4.3	33	0.34	Mann-Kendall	-15	0.216	Stable	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	1 U	5 U	0.03	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	90%	10	90%	0.16 J	5 U	0.66	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	2.1	10	0.34	Mann-Kendall	-15	0.216	Stable	--
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	9.9	82	0.42	Mann-Kendall	-17	0.156	Stable	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	22%	7	0%	0.57 J	1.7 J	0.42	Mann-Kendall	-19	0.003	**Decreasing**	Detects only test
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	0%	10	0%	141.48	930.70	0.36	Mann-Kendall	-17	0.156	Stable	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	16.87	113.7	0.36	Mann-Kendall	-17	0.156	Stable	--
MH-2C															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.34 J	5 U	0.08	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	2.6 J / 2.5 J	15	0.62	Mann-Kendall	-7	0.600	Stable	--
	Lead	µg/L	11/24/2014 - 11/15/2021	9	22%	7	0%	1.9 J	15 / 17	0.65	Mann-Kendall	-1	1.000	Stable	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U / 2 U	0.62	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	7.4 / 9.6	37 / 36	0.33	Mann-Kendall	-6	0.664	Stable	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.18 J	3 U / 3 U	1.20	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.16 J	5 U / 2 U	0.24	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	3.9 / 4.9	15	0.36	Mann-Kendall	-9	0.484	Stable	--
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	14 / 18	69 / 68	0.36	Mann-Kendall	-9	0.484	Stable	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	0%	9	0%	0.63 J	3.1	0.55	Mann-Kendall	-11	0.309	Stable	--
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	0%	10	0%	259.97	971.77	0.33	Mann-Kendall	-9	0.484	Stable	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	30.4	115.45	0.34	Mann-Kendall	-9	0.484	Stable	--

Attachment 2
Statistical Trend Test Results -- Post-Closure Data (2014+)
Site No. 9-15-066
Cheektowaga, New York

						Trend Test Data									Comments
				All Data		Summary Statistics					Trend Test Results				
Location	Analyte	Units	Date Range	N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-2D															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	70%	10	70%	0.080 J	5 U	0.54	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	10%	9	0%	0.88 J	35	1.45	Mann-Kendall	1	1.000	No trend	Detects only test
	Lead	µg/L	11/24/2014 - 11/15/2021	9	22%	7	0%	1.3 J	49	1.65	Mann-Kendall	1	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	2.9	73	1.02	Mann-Kendall	-11	0.380	No trend	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.51 JB	5 U	0.86	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	30%	7	0%	0.2 J	4.4	0.96	Mann-Kendall	5	0.562	No trend	Detects only test
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	19	1300	2.12	Mann-Kendall	-4	0.795	No trend	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	0.26 J	4.9	1.18	Mann-Kendall	-6	0.234	No trend	Detects only test
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	0%	10	0%	183.33	10658.71	1.91	Mann-Kendall	-5	0.728	No trend	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	23.1	1374.31	1.96	Mann-Kendall	-5	0.728	No trend	--
MH-3A															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.25 J	5 U	0.24	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	2.7 J	13	0.57	Mann-Kendall	5	0.728	No trend	--
	Lead	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	1.7 J / 2.8 J	19	0.90	Mann-Kendall	10	0.017	**Increasing**	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U / 1 U	25 U	1.20	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	4.3	52	0.57	Mann-Kendall	-12	0.336	Stable	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	90%	10	90%	1 U / 1 U	16 JB	1.41	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U / 1 U	25 U	1.20	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	50%	5	0%	0.91 J / 0.96 J	2	0.26	Mann-Kendall	3	0.650	No trend	Detects only test
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	8.2	370	0.98	Mann-Kendall	-32	0.003	**Decreasing**	--
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	33%	6	0%	0.54 J	1.6 J	0.37	Mann-Kendall	-1	1.000	Stable	Detects only test
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	0%	10	0%	126.25	3352.19	0.85	Mann-Kendall	-31	0.005	**Decreasing**	--
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	0%	10	0%	14.87	422	0.88	Mann-Kendall	-31	0.005	**Decreasing**	--
MH-3B															
	Cadmium	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.21 J	25 U	0.10	--	--	--	>50% ND	--
	Chromium	µg/L	7/11/2014 - 11/15/2021	10	10%	9	0%	1.4 J	17	0.75	Mann-Kendall	-2	0.920	Stable	Detects only test
	Lead	µg/L	11/24/2014 - 11/15/2021	9	44%	5	0%	1.2 J	43 / 48	1.67	Mann-Kendall	0	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Methylene Chloride	µg/L	7/11/2014 - 11/15/2021	10	80%	10	80%	0.48 JB	5 U	0.66	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Tetrachloroethylene	µg/L	7/11/2014 - 11/15/2021	10	100%	10	100%	1 U	5 U	0.94	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/11/2014 - 11/15/2021	10	30%	7	0%	0.21 J	1.7	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test
	Vinyl Chloride	µg/L	11/24/2014 - 11/15/2021	9	100%	9	100%	1 U / 1 U	5 U	0.93	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/11/2014 - 11/15/2021	10	30%	7	0%	1.60	12.94	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test
	Total VOC (mass)	µg/L	7/11/2014 - 11/15/2021	10	30%	7	0%	0.21	1.7	0.72	Mann-Kendall	-3	0.772	Stable	Detects only test

Attachment 2
Statistical Trend Test Results -- Post-Closure Data (2014+)
Site No. 9-15-066
Cheektowaga, New York

					All Data		Trend Test Data: Summary Statistics					Trend Test Data: Trend Test Results				Comments
Location	Analyte	Units	Date Range		N	% ND	N	% ND	Minimum	Maximum	CoV	Method	Stat.	Prob.	Conclusion	
MH-3C																
	Cadmium	µg/L	7/11/2014	- 11/15/2021	10	60%	4	0%	0.32 J	8.9 J / 5.4 J	1.24	Mann-Kendall	0	1.000	No trend	Detects only test
	Chromium	µg/L	7/11/2014	- 11/15/2021	10	0%	10	0%	1.9 J	27 / 31	0.81	Mann-Kendall	-6	0.664	Stable	--
	Lead	µg/L	11/24/2014	- 11/15/2021	9	11%	8	0%	2.3 J	100 / 91	1.20	Mann-Kendall	0	1.000	No trend	Detects only test
	1,2-dichlorobenzene	µg/L	7/11/2014	- 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	cis-1,2- dichloroethylene	µg/L	7/11/2014	- 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Methylene Chloride	µg/L	7/11/2014	- 11/15/2021	10	80%	10	80%	0.48 JB	3.0 J	1.03	--	--	--	>50% ND	--
	Toluene	µg/L	7/11/2014	- 11/15/2021	10	80%	10	80%	0.18 J / 0.16 J	5 U	0.50	--	--	--	>50% ND	--
	Tetrachloroethylene	µg/L	7/11/2014	- 11/15/2021	10	100%	10	100%	1 U	5 U	0.90	--	--	--	100% ND	--
	Trichloroethylene	µg/L	7/11/2014	- 11/15/2021	10	70%	10	70%	0.18 J / 0.14 J	5 U	0.90	--	--	--	>50% ND	--
	Vinyl Chloride	µg/L	11/24/2014	- 11/15/2021	9	100%	9	100%	1 U	5 U	0.92	--	--	--	100% ND	--
	Total VOC (moles)	nmol/L	7/11/2014	- 11/15/2021	10	70%	10	70%	1.22	13.70	0.90	--	--	--	>50% ND	--
	Total VOC (mass)	µg/L	7/11/2014	- 11/15/2021	10	70%	10	70%	0.16	1.8	0.90	--	--	--	>50% ND	--

Notes:
N -- Number of observations/samples
% ND -- Percentage of non-detect (less-than) results
CoV -- Coefficient of variation (standard deviation ÷ mean)
Stat -- Trend test statistic (Mann-Kendall "S" value)
Prob -- Probability of significance, interpreted as follows:

Probability	M-K Statistic (S)	CoV	Classification
<0.05	Positive	--	**Increasing**
	Negative	--	**Decreasing**
0.05-0.10	Positive	--	**Probably Increasing**
	Negative	--	**Probably Decreasing**
>0.10	Positive	--	No Trend
	Negative or zero	≥ 1	No Trend
		< 1	Stable

Source: Air Force Center for Environmental Excellence (AFCEE) "Appendix A.2: Statistical Trend Analysis Methods" In "Monitoring and Remediation Optimization System (MAROS) Software Version 2.2 User's Guide", 2007.

Where a data set contained ambiguous comparisons due to non-detect results with higher reporting limits than other detected results, these were excluded from the trend test. In some cases all non-detects were excluded (see Comments).
Any field duplicate results were averaged prior to conducting the trend test. If one duplicate was a non-detect and the other a detect, the detected value was conservatively used.