

METALS

COVER PAGE
METALS

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1

SDG No.: _____

Project: Vo Toys - Harrison, NJ

Client Sample ID
TI-NA-FL-D-2207270900

Lab Sample ID
180-142292-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: DRY

Date Received: 08/02/2022 09:10

% Solids: 92.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	11	0.71	0.46	mg/Kg			25	EPA 7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: WET

Date Received: 08/02/2022 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	0.50	0.083	mg/L			1	EPA 6010D
7440-39-3	Barium	1.4	2.0	0.063	mg/L	J		1	EPA 6010D
7440-43-9	Cadmium	0.035	0.50	0.0030	mg/L	J		1	EPA 6010D
7440-47-3	Chromium	ND	0.50	0.016	mg/L			1	EPA 6010D
7440-50-8	Copper	0.083	0.25	0.022	mg/L	J		1	EPA 6010D
7439-92-1	Lead	0.32	0.50	0.044	mg/L	J		1	EPA 6010D
7440-02-0	Nickel	0.027	0.40	0.019	mg/L	J		1	EPA 6010D
7782-49-2	Selenium	ND	0.50	0.037	mg/L			1	EPA 6010D
7440-22-4	Silver	ND	0.50	0.0091	mg/L			1	EPA 6010D
7440-66-6	Zinc	1.4	0.20	0.026	mg/L			1	EPA 6010D
7439-98-7	Molybdenum	ND	0.40	0.025	mg/L			1	EPA 6010D
7439-97-6	Mercury	ND	0.00020	0.00013	mg/L			1	EPA 7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: M6500ICV_00041 Concentration Units: ug/L

CCV Source: M6500CCV_00133

Analyte	ICV 180-408717/4 08/15/2022 06:48				CCV 180-408717/9 08/15/2022 07:14				CCV 180-408717/21 08/15/2022 08:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	263		250	105	508		500	102	511		500	102
Barium	1000		1000	100	1960		2000	98	1970		2000	98
Cadmium	251		250	100	503		500	101	500		500	100
Chromium	991		1000	99	1930		2000	96	1910		2000	96
Copper	1010		1000	101	2010		2000	100	2020		2000	101
Lead	253		250	101	508		500	102	509		500	102
Molybdenum	977		1000	98	1970		2000	99	1970		2000	98
Nickel	1010		1000	101	2050		2000	102	2050		2000	103
Selenium	248		250	99	510		500	102	510		500	102
Silver	504		500	101	1020		1000	102	1020		1000	102
Zinc	985		1000	99	1940		2000	97	1950		2000	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: M6500ICV_00041 Concentration Units: ug/L

CCV Source: M6500CCV_00133

Analyte	CCV 180-408717/33 08/15/2022 09:21				CCV 180-408717/45 08/15/2022 10:25							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	507		500	101	514		500	103				
Barium	1960		2000	98	1970		2000	98				
Cadmium	502		500	100	504		500	101				
Chromium	1940		2000	97	1920		2000	96				
Copper	1990		2000	99	2030		2000	101				
Lead	507		500	101	507		500	101				
Molybdenum	1970		2000	99	1980		2000	99				
Nickel	2040		2000	102	2050		2000	103				
Selenium	507		500	101	517		500	103				
Silver	1010		1000	101	1020		1000	102				
Zinc	1960		2000	98	1960		2000	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: M6500ICVLCCVL_00001 Concentration Units: ug/L

CCV Source: M6500CCV_00133

Analyte	ICVL 180-408717/6 08/15/2022 06:58				CCV 180-408717/9 08/15/2022 07:14				CCV 180-408717/21 08/15/2022 08:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	8.89	J	10.0	89	508		500	102	511		500	102
Barium	201		200	100	1960		2000	98	1970		2000	98
Cadmium	5.03		5.00	101	503		500	101	500		500	100
Chromium	4.50	J	5.00	90	1930		2000	96	1910		2000	96
Copper	25.8		25.0	103	2010		2000	100	2020		2000	101
Lead	10.7		10.0	107	508		500	102	509		500	102
Molybdenum	40.0		40.0	100	1970		2000	99	1970		2000	98
Nickel	39.0	J	40.0	98	2050		2000	102	2050		2000	103
Selenium	10.6		10.0	106	510		500	102	510		500	102
Silver	5.23		5.00	105	1020		1000	102	1020		1000	102
Zinc	20.4		20.0	102	1940		2000	97	1950		2000	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: M6500ICVLCCVL_00001 Concentration Units: ug/L

CCV Source: M6500CCV_00133

Analyte	CCV 180-408717/33 08/15/2022 09:21				CCV 180-408717/45 08/15/2022 10:25							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	507		500	101	514		500	103				
Barium	1960		2000	98	1970		2000	98				
Cadmium	502		500	100	504		500	101				
Chromium	1940		2000	97	1920		2000	96				
Copper	1990		2000	99	2030		2000	101				
Lead	507		500	101	507		500	101				
Molybdenum	1970		2000	99	1980		2000	99				
Nickel	2040		2000	102	2050		2000	103				
Selenium	507		500	101	517		500	103				
Silver	1010		1000	101	1020		1000	102				
Zinc	1960		2000	98	1960		2000	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: MHgWorkingicv_02846 Concentration Units: ug/L

CCV Source: MHgworkingCal_02930

Analyte	ICV 180-408233/7-A 08/11/2022 13:33				CCV 180-408233/10-A 08/11/2022 13:36				CCV 180-408233/10-A 08/11/2022 14:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.59		2.50	104	4.84		5.00	97	4.85		5.00	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: MHgWorkingicv_02846 Concentration Units: ug/L

CCV Source: MHgworkingCal_02930

Analyte	CCV 180-408233/10-A 08/11/2022 14:44				CCV 180-408233/10-A 08/11/2022 14:57							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.84		5.00	97	4.82		5.00	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: MHgWorkingicv_02853 Concentration Units: ug/L

CCV Source: MHgworkingCal_02939

Analyte	ICV 180-409764/7-A 08/24/2022 12:11				CCV 180-409764/10-A 08/24/2022 12:14				CCV 180-409764/10-A 08/24/2022 12:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.39		2.50	96	4.81		5.00	96	4.77		5.00	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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: MHgWorkingicv_02853 Concentration Units: ug/L

CCV Source: MHgworkingCal_02939

Analyte	CCV 180-409764/10-A 08/24/2022 12:52				CCV 180-409764/10-A 08/24/2022 14:32				CCV 180-409764/10-A 08/24/2022 15:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.77		5.00	95	4.75		5.00	95	4.72		5.00	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

ICV Source: MHgWorkingicv_02853 Concentration Units: ug/L

CCV Source: MHgworkingCal_02939

Analyte	CCV 180-409764/10-A 08/24/2022 15:33				CCV 180-409764/10-A 08/24/2022 16:00				CCV 180-409764/10-A 08/24/2022 16:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.68		5.00	94	4.66		5.00	93	4.67		5.00	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Method: EPA 7470A Instrument ID: HGY
Lab Sample ID: CRA 180-408233/9-A Concentration Units: ug/L
CRQL Check Standard Source: MHgworkingCal_02930

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.156	J	78	70-130

Lab Sample ID: CRA 180-408233/9-A Concentration Units: ug/L
CRQL Check Standard Source: MHgworkingCal_02930

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.153	J	77	70-130

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Method: EPA 7471B Instrument ID: HGZ
Lab Sample ID: CRA 180-409764/9-A Concentration Units: ug/L
CRQL Check Standard Source: MHgworkingCal_02939

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.214		107	50-150

Lab Sample ID: CRA 180-409764/9-A Concentration Units: ug/L
CRQL Check Standard Source: MHgworkingCal_02939

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.207		104	50-150

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICBIS 180-408717/5 08/15/2022 06:53		CCB1 180-408717/10 08/15/2022 07:19		CCB2 180-408717/22 08/15/2022 08:23		CCB3 180-408717/34 08/15/2022 09:26	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	200	ND		ND		ND		ND	
Cadmium	5.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Copper	25	ND		ND		ND		ND	
Lead	10	ND		ND		ND		ND	
Molybdenum	40	ND		ND		ND		ND	
Nickel	40	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	
Zinc	20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB4 180-408717/46 08/15/2022 10:30							
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND							
Barium	200	ND							
Cadmium	5.0	ND							
Chromium	5.0	ND							
Copper	25	ND							
Lead	10	ND							
Molybdenum	40	ND							
Nickel	40	ND							
Selenium	10	ND							
Silver	5.0	ND							
Zinc	20	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-408233/8-A 08/11/2022 13:34		CCB 180-408233/11-A 08/11/2022 13:38		CCB 180-408233/11-A 08/11/2022 14:30		CCB 180-408233/11-A 08/11/2022 14:45	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 180-408233/11-A 08/11/2022 14:58							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-409764/8-A 08/24/2022 12:12		CCB 180-409764/11-A 08/24/2022 12:17		CCB 180-409764/11-A 08/24/2022 12:34		CCB 180-409764/11-A 08/24/2022 12:54	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 180-409764/11-A 08/24/2022 14:34		CCB 180-409764/11-A 08/24/2022 15:17		CCB 180-409764/11-A 08/24/2022 15:35		CCB 180-409764/11-A 08/24/2022 16:01	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 180-409764/11-A 08/24/2022 16:14							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 180-408543/1-A
Instrument Code: C Batch No.: 408717

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010D
7440-39-3	Barium	ND			6010D
7440-43-9	Cadmium	ND			6010D
7440-47-3	Chromium	ND			6010D
7440-50-8	Copper	ND			6010D
7439-92-1	Lead	ND			6010D
7440-02-0	Nickel	ND			6010D
7782-49-2	Selenium	ND			6010D
7440-22-4	Silver	ND			6010D
7440-66-6	Zinc	ND			6010D
7439-98-7	Molybdenum	ND			6010D

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: LB 180-408025/1-F
Instrument Code: C Batch No.: 408717

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010D
7440-39-3	Barium	ND			6010D
7440-43-9	Cadmium	ND			6010D
7440-47-3	Chromium	ND			6010D
7440-50-8	Copper	ND			6010D
7439-92-1	Lead	ND			6010D
7440-02-0	Nickel	ND			6010D
7782-49-2	Selenium	ND			6010D
7440-22-4	Silver	ND			6010D
7440-66-6	Zinc	ND			6010D
7439-98-7	Molybdenum	ND			6010D

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 180-408279/1-A
Instrument Code: HGY Batch No.: 408389

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: LB 180-408025/1-B
Instrument Code: HGY Batch No.: 408389

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 180-409669/1-A
Instrument Code: HGZ Batch No.: 409876

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 180-409708/1-A
Instrument Code: HGZ Batch No.: 409876

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Lab Sample ID: ICSA 180-408717/7 Instrument ID: C
 Lab File ID: C220815A1.asc ICS Source: MICSAICP_00115
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		4.88	
Barium		7.87	
Cadmium		-0.180	
Chromium		1.13	
Copper		-0.210	
Lead		5.31	
Molybdenum		-1.65	
Nickel		4.80	
Selenium		4.26	
Silver		-0.530	
Zinc		0.130	
<i>Aluminum</i>	<i>500000</i>	<i>504610</i>	<i>101</i>
<i>Antimony</i>		<i>-10.0</i>	
<i>Beryllium</i>		<i>-0.120</i>	
<i>Boron</i>		<i>-3.25</i>	
<i>Calcium</i>	<i>500000</i>	<i>475800</i>	<i>95</i>
<i>Cobalt</i>		<i>0.500</i>	
<i>Iron</i>	<i>200000</i>	<i>183260</i>	<i>92</i>
<i>Li</i>		<i>5.78</i>	
<i>Magnesium</i>	<i>500000</i>	<i>502480</i>	<i>100</i>
<i>Manganese</i>		<i>0.730</i>	
<i>Potassium</i>		<i>66.4</i>	
<i>Silicon</i>		<i>6.61</i>	
<i>Sodium</i>		<i>79.8</i>	
<i>Strontium</i>		<i>18.7</i>	
<i>Thallium</i>		<i>-7.25</i>	
<i>Tin</i>		<i>4.64</i>	
<i>Titanium</i>		<i>-0.800</i>	
<i>Vanadium</i>		<i>-5.02</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Lab Sample ID: ICSAB 180-408717/8 Instrument ID: C
 Lab File ID: C220815A1.asc ICS Source: M6500ICSAB_00023
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Arsenic	1000	1038	104
Barium	1000	987	99
Cadmium	1000	1013	101
Chromium	1000	945	95
Copper	1000	1089	109
Lead	1000	976	98
Molybdenum	1000	905	90
Nickel	1000	970	97
Selenium	1000	983	98
Silver	1000	1105	111
Zinc	1000	874	87
<i>Aluminum</i>	<i>500000</i>	<i>497500</i>	<i>100</i>
<i>Antimony</i>	<i>1000</i>	<i>929</i>	<i>93</i>
<i>Beryllium</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Boron</i>	<i>10000</i>	<i>9836</i>	<i>98</i>
<i>Calcium</i>	<i>500000</i>	<i>468350</i>	<i>94</i>
<i>Cobalt</i>	<i>1000</i>	<i>989</i>	<i>99</i>
<i>Iron</i>	<i>200000</i>	<i>180890</i>	<i>90</i>
<i>Li</i>	<i>1000</i>	<i>1032</i>	<i>103</i>
<i>Magnesium</i>	<i>500000</i>	<i>494620</i>	<i>99</i>
<i>Manganese</i>	<i>1000</i>	<i>938</i>	<i>94</i>
<i>Potassium</i>	<i>10000</i>	<i>10074</i>	<i>101</i>
<i>Silicon</i>	<i>10000</i>	<i>9503</i>	<i>95</i>
<i>Sodium</i>	<i>10000</i>	<i>10050</i>	<i>101</i>
<i>Strontium</i>	<i>1000</i>	<i>917</i>	<i>92</i>
<i>Thallium</i>	<i>1000</i>	<i>910</i>	<i>91</i>
<i>Tin</i>	<i>1000</i>	<i>876</i>	<i>88</i>
<i>Titanium</i>	<i>1000</i>	<i>983</i>	<i>98</i>
<i>Vanadium</i>	<i>1000</i>	<i>921</i>	<i>92</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: TI-NA-FL-D-2207270900 MS

Lab ID: 180-142292-1 MS

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 92.6

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	10.5	11	0.144	-60	80-120	4	EPA 7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: TI-NA-FL-D-2207270900 MSD

Lab ID: 180-142292-1 MSD

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 92.6

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	11.4	0.146	550	80-120	8	20	4	EPA 7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-408543/2-A

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

Sample Matrix: Water

LCS Source: TA-SPIKE1_00019

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	1.00	1.06		106	80	120		EPA 6010D
Barium	1.00	0.973		97	80	120		EPA 6010D
Cadmium	0.500	0.517		103	80	120		EPA 6010D
Chromium	0.500	0.482		96	80	120		EPA 6010D
Copper	0.500	0.492		98	80	120		EPA 6010D
Lead	0.500	0.510		102	80	120		EPA 6010D
Nickel	0.500	0.507		101	80	120		EPA 6010D
Selenium	1.00	1.06		106	80	120		EPA 6010D
Silver	0.250	0.256		103	80	120		EPA 6010D
Zinc	0.250	0.251		100	80	120		EPA 6010D
Molybdenum	0.500	0.502		100	80	120		EPA 6010D

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-408279/2-A

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

Sample Matrix: Water

LCS Source: MHgworkingCal_02931

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00250	0.00251		100	80	120		EPA 7470A

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-409669/2-A

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

Sample Matrix: Solid

LCS Source: MHgworkingCal_02939

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.417	0.364		87	80	120		EPA 7471B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-409708/2-A

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

Sample Matrix: Solid

LCS Source: MHgworkingCal_02939

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.417	0.372		89	80	120		EPA 7471B

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Pittsburgh

Job Number: 180-142292-1

SDG Number: _____

Matrix: Solid

Instrument ID: C

Method: EPA 6010D

MDL Date: 12/23/2021 11:24

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	189.042	0.05	0.0083
Barium	493.409	0.2	0.00627
Cadmium	226.502	0.05	0.000296
Chromium	267.716	0.05	0.00161
Copper	324.753	0.025	0.00221
Lead	220.353	0.05	0.0044
Molybdenum	202.030	0.04	0.00245
Nickel	231.604	0.04	0.00188
Selenium	196.022	0.05	0.00373
Silver	328.068	0.05	0.000911
Zinc	213.856	0.02	0.00262

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: C
Method: EPA 6010D XMDL Date: 12/23/2021 11:25

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	189.042	10	8.3
Barium	493.409	200	6.27
Cadmium	226.502	5	0.296
Chromium	267.716	5	1.61
Copper	324.753	25	2.21
Lead	220.353	10	4.4
Molybdenum	202.030	40	2.45
Nickel	231.604	40	1.88
Selenium	196.022	10	3.73
Silver	328.068	5	0.911
Zinc	213.856	20	2.62

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Pittsburgh

Job Number: 180-142292-1

SDG Number: _____

Matrix: Solid

Instrument ID: HGY

Method: EPA 7470A

MDL Date: 04/13/2020 00:00

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.0002	0.00013

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: HGY
Method: EPA 7470A XMDL Date: 04/13/2020 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.13

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: HGZ
Method: EPA 7471B MDL Date: 11/08/2019 17:52
Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.033	0.0212

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: HGZ
Method: EPA 7471B XMDL Date: 04/13/2020 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.13

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Pittsburgh

Job No: 180-142292-1

SDG No.: _____

Instrument ID: C

Date: 09/16/2021 09:33

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		10000	EPA 6010D
Barium		50000	EPA 6010D
Cadmium		5000	EPA 6010D
Chromium		25000	EPA 6010D
Copper		25000	EPA 6010D
Lead		25000	EPA 6010D
Nickel		25000	EPA 6010D
Selenium		10000	EPA 6010D
Silver		2000	EPA 6010D
Zinc		25000	EPA 6010D
Molybdenum		10000	EPA 6010D

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-408543/1-A	08/12/2022 16:35	408543		50	50
LCS 180-408543/2-A	08/12/2022 16:35	408543		50	50
LB 180-408025/1-F	08/12/2022 16:35	408543		5	50
180-142292-1	08/12/2022 16:35	408543		5	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-408279/1-A	08/11/2022 07:11	408279		25	25
LCS 180-408279/2-A	08/11/2022 07:11	408279		25	25
LB 180-408025/1-B	08/11/2022 07:11	408279		25	25
180-142292-1	08/11/2022 07:11	408279		25	25

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-409669/1-A	08/23/2022 09:44	409669	0.60		100
LCS 180-409669/2-A	08/23/2022 09:44	409669	0.60		100

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-409708/1-A	08/23/2022 13:03	409708	0.60		100
LCS 180-409708/2-A	08/23/2022 13:03	409708	0.60		100
180-142292-1	08/23/2022 13:03	409708	0.75		100
180-142292-1 MS	08/23/2022 13:03	409708	0.75		100
180-142292-1 MSD	08/23/2022 13:03	409708	0.74		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG No.: _____

Instrument ID: C

Analysis Method: EPA 6010D

Start Date: 08/15/2022 06:32

End Date: 08/15/2022 11:38

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				A g	A s	B a	C d	C r	C u	M o	N i	P b	S e	Z n															
STD1 180-408717/1 IC			06:32	X	X	X	X	X	X	X	X	X	X	X															
STD2A 180-408717/2 IC			06:38	X	X	X	X	X	X	X	X	X	X	X															
STD3 180-408717/3 IC			06:42	X	X	X	X	X	X	X	X	X	X	X															
ICV 180-408717/4	1		06:48	X	X	X	X	X	X	X	X	X	X	X															
ICBIS 180-408717/5	1		06:53	X	X	X	X	X	X	X	X	X	X	X															
ICVL 180-408717/6	1		06:58	X	X	X	X	X	X	X	X	X	X	X															
ICSA 180-408717/7	1		07:04	X	X	X	X	X	X	X	X	X	X	X															
ICSAB 180-408717/8	1		07:09	X	X	X	X	X	X	X	X	X	X	X															
CCV 180-408717/9	1		07:14	X	X	X	X	X	X	X	X	X	X	X															
CCB1 180-408717/10	1		07:19	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			07:24																										
ZZZZZZ			07:30																										
ZZZZZZ			07:35																										
ZZZZZZ			07:41																										
ZZZZZZ			07:46																										
ZZZZZZ			07:51																										
ZZZZZZ			07:57																										
MB 180-408543/1-A	1	T	08:02	X	X	X	X	X	X	X	X	X	X	X															
LCS 180-408543/2-A	1	T	08:08	X	X	X	X	X	X	X	X	X	X	X															
LB 180-408025/1-F	1	P	08:12	X	X	X	X	X	X	X	X	X	X	X															
CCV 180-408717/21	1		08:18	X	X	X	X	X	X	X	X	X	X	X															
CCB2 180-408717/22	1		08:23	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			08:28																										
ZZZZZZ			08:34																										
ZZZZZZ			08:39																										
ZZZZZZ			08:44																										
ZZZZZZ			08:50																										
ZZZZZZ			08:55																										
ZZZZZZ			09:00																										
ZZZZZZ			09:05																										
ZZZZZZ			09:10																										
ZZZZZZ			09:16																										
CCV 180-408717/33	1		09:21	X	X	X	X	X	X	X	X	X	X	X															
CCB3 180-408717/34	1		09:26	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			09:31																										
ZZZZZZ			09:37																										
ZZZZZZ			09:42																										
ZZZZZZ			09:47																										
ZZZZZZ			09:53																										
ZZZZZZ			09:58																										
180-142292-1	1	P	10:03	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			10:09																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: C Analysis Method: EPA 6010D
 Start Date: 08/15/2022 06:32 End Date: 08/15/2022 11:38

Lab Sample Id	D/F	T y p e	Time	Analytes																										
				A g	A s	B a	C d	C r	C u	M o	N i	P b	S e	Z n																
ZZZZZZ			10:14																											
ZZZZZZ			10:19																											
CCV 180-408717/45	1		10:25	X	X	X	X	X	X	X	X	X	X	X	X															
CCB4 180-408717/46	1		10:30	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ			10:35																											
ZZZZZZ			10:40																											
ZZZZZZ			10:45																											
ZZZZZZ			10:51																											
ZZZZZZ			10:56																											
ZZZZZZ			11:01																											
ZZZZZZ			11:06																											
ZZZZZZ			11:11																											
ZZZZZZ			11:17																											
ZZZZZZ			11:22																											
CCV 180-408717/57			11:27																											
CCB5 180-408717/58			11:32																											
CCVL 180-408717/59	1		11:38																											

Prep Types: _____
 P = TCLP
 T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: HGY Analysis Method: EPA 7470A
 Start Date: 08/11/2022 13:24 End Date: 08/11/2022 15:53

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
IC 180-408233/1-A			13:24	X																									
IC 180-408233/2-A			13:25	X																									
IC 180-408233/3-A			13:26	X																									
IC 180-408233/4-A			13:27	X																									
IC 180-408233/5-A			13:28	X																									
IC 180-408233/6-A			13:31	X																									
ICV 180-408233/7-A	1		13:33	X																									
ICB 180-408233/8-A	1		13:34	X																									
CRA 180-408233/9-A	1		13:35	X																									
CCV 180-408233/10-A	1		13:36	X																									
CCB 180-408233/11-A	1		13:38	X																									
ZZZZZZ			13:39																										
ZZZZZZ			13:40																										
ZZZZZZ			13:41																										
ZZZZZZ			13:42																										
ZZZZZZ			13:43																										
ZZZZZZ			13:44																										
ZZZZZZ			13:45																										
ZZZZZZ			13:46																										
ZZZZZZ			13:47																										
ZZZZZZ			13:48																										
CCV 180-408233/10-A			13:49																										
CCB 180-408233/11-A			13:50																										
ZZZZZZ			13:51																										
ZZZZZZ			13:52																										
ZZZZZZ			13:53																										
ZZZZZZ			13:54																										
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ZZZZZZ			13:56																										
ZZZZZZ			13:57																										
ZZZZZZ			13:58																										
ZZZZZZ			13:59																										
ZZZZZZ			14:00																										
CCV 180-408233/10-A			14:01																										
CCB 180-408233/11-A			14:03																										
ZZZZZZ			14:04																										
ZZZZZZ			14:05																										
ZZZZZZ			14:06																										
ZZZZZZ			14:08																										
ZZZZZZ			14:09																										
ZZZZZZ			14:10																										
ZZZZZZ			14:11																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG No.: _____

Instrument ID: HGY

Analysis Method: EPA 7470A

Start Date: 08/11/2022 13:24

End Date: 08/11/2022 15:53

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			14:12																										
ZZZZZZ			14:13																										
ZZZZZZ			14:14																										
CCV 180-408233/10-A			14:15																										
CCB 180-408233/11-A			14:16																										
ZZZZZZ			14:17																										
ZZZZZZ			14:18																										
ZZZZZZ			14:19																										
ZZZZZZ			14:20																										
ZZZZZZ			14:21																										
ZZZZZZ			14:22																										
ZZZZZZ			14:23																										
ZZZZZZ			14:24																										
ZZZZZZ			14:27																										
ZZZZZZ			14:28																										
CCV 180-408233/10-A	1		14:29	X																									
CCB 180-408233/11-A	1		14:30	X																									
MB 180-408279/1-A	1	T	14:32	X																									
LCS 180-408279/2-A	1	T	14:33	X																									
LB 180-408025/1-B	1	P	14:34	X																									
ZZZZZZ			14:35																										
ZZZZZZ			14:36																										
ZZZZZZ			14:38																										
ZZZZZZ			14:40																										
ZZZZZZ			14:41																										
ZZZZZZ			14:42																										
ZZZZZZ			14:43																										
CCV 180-408233/10-A	1		14:44	X																									
CCB 180-408233/11-A	1		14:45	X																									
ZZZZZZ			14:46																										
ZZZZZZ			14:47																										
ZZZZZZ			14:48																										
180-142292-1	1	P	14:49	X																									
ZZZZZZ			14:50																										
ZZZZZZ			14:51																										
ZZZZZZ			14:53																										
ZZZZZZ			14:54																										
ZZZZZZ			14:55																										
ZZZZZZ			14:56																										
CCV 180-408233/10-A	1		14:57	X																									
CCB 180-408233/11-A	1		14:58	X																									
ZZZZZZ			15:00																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: HGY Analysis Method: EPA 7470A

Start Date: 08/11/2022 13:24 End Date: 08/11/2022 15:53

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			15:01																										
ZZZZZZ			15:02																										
ZZZZZZ			15:03																										
ZZZZZZ			15:04																										
ZZZZZZ			15:07																										
ZZZZZZ			15:08																										
ZZZZZZ			15:09																										
ZZZZZZ			15:10																										
ZZZZZZ			15:12																										
CCV 180-408233/10-A			15:14																										
CCB 180-408233/11-A			15:15																										
ZZZZZZ			15:16																										
ZZZZZZ			15:17																										
ZZZZZZ			15:19																										
ZZZZZZ			15:20																										
ZZZZZZ			15:21																										
ZZZZZZ			15:22																										
ZZZZZZ			15:23																										
ZZZZZZ			15:24																										
ZZZZZZ			15:26																										
ZZZZZZ			15:27																										
CCV 180-408233/10-A			15:28																										
CCB 180-408233/11-A			15:29																										
ZZZZZZ			15:30																										
ZZZZZZ			15:31																										
ZZZZZZ			15:32																										
ZZZZZZ			15:33																										
ZZZZZZ			15:34																										
ZZZZZZ			15:35																										
ZZZZZZ			15:36																										
ZZZZZZ			15:37																										
ZZZZZZ			15:38																										
ZZZZZZ			15:39																										
CCV 180-408233/10-A			15:40																										
CCB 180-408233/11-A			15:41																										
ZZZZZZ			15:42																										
ZZZZZZ			15:43																										
ZZZZZZ			15:48																										
CRA 180-408233/9-A	1		15:50	X																									
CCV 180-408233/10-A			15:52																										
CCB 180-408233/11-A			15:53																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: HGY Analysis Method: EPA 7470A

Start Date: 08/11/2022 13:24 End Date: 08/11/2022 15:53

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									

Prep Types: _____
P = TCLP
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG No.: _____

Instrument ID: HGZ

Analysis Method: EPA 7471B

Start Date: 08/24/2022 12:00

End Date: 08/24/2022 16:24

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
IC 180-409764/1-A			12:00	X																									
IC 180-409764/2-A			12:01	X																									
IC 180-409764/3-A			12:02	X																									
IC 180-409764/4-A			12:03	X																									
IC 180-409764/5-A			12:04	X																									
IC 180-409764/6-A			12:06	X																									
ICV 180-409764/7-A	1		12:11	X																									
ICB 180-409764/8-A	1		12:12	X																									
CRA 180-409764/9-A	1		12:13	X																									
CCV 180-409764/10-A	1		12:14	X																									
CCB 180-409764/11-A	1		12:17	X																									
MB 180-409669/1-A	1	T	12:18	X																									
LCS 180-409669/2-A	1	T	12:19	X																									
ZZZZZZ			12:20																										
ZZZZZZ			12:21																										
ZZZZZZ			12:22																										
ZZZZZZ			12:23																										
ZZZZZZ			12:24																										
ZZZZZZ			12:29																										
ZZZZZZ			12:30																										
ZZZZZZ			12:31																										
CCV 180-409764/10-A	1		12:32	X																									
CCB 180-409764/11-A	1		12:34	X																									
ZZZZZZ			12:35																										
ZZZZZZ			12:36																										
ZZZZZZ			12:44																										
ZZZZZZ			12:45																										
ZZZZZZ			12:46																										
ZZZZZZ			12:47																										
ZZZZZZ			12:48																										
ZZZZZZ			12:49																										
ZZZZZZ			12:50																										
ZZZZZZ			12:51																										
CCV 180-409764/10-A	1		12:52	X																									
CCB 180-409764/11-A	1		12:54	X																									
ZZZZZZ			12:55																										
ZZZZZZ			12:57																										
ZZZZZZ			12:58																										
ZZZZZZ			12:59																										
ZZZZZZ			13:00																										
ZZZZZZ			13:01																										
ZZZZZZ			13:02																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: HGZ Analysis Method: EPA 7471B
 Start Date: 08/24/2022 12:00 End Date: 08/24/2022 16:24

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			13:06																										
ZZZZZZ			13:07																										
ZZZZZZ			13:08																										
CCV 180-409764/10-A			13:09																										
CCB 180-409764/11-A			13:11																										
ZZZZZZ			13:12																										
ZZZZZZ			13:14																										
ZZZZZZ			13:15																										
ZZZZZZ			13:16																										
ZZZZZZ			13:17																										
ZZZZZZ			13:18																										
ZZZZZZ			13:19																										
ZZZZZZ			13:20																										
ZZZZZZ			13:21																										
ZZZZZZ			13:22																										
CCV 180-409764/10-A			13:23																										
CCB 180-409764/11-A			13:25																										
ZZZZZZ			13:26																										
ZZZZZZ			13:27																										
ZZZZZZ			13:28																										
ZZZZZZ			13:29																										
ZZZZZZ			13:30																										
ZZZZZZ			13:31																										
ZZZZZZ			13:32																										
ZZZZZZ			13:35																										
ZZZZZZ			13:36																										
ZZZZZZ			13:37																										
CCV 180-409764/10-A			13:38																										
CCB 180-409764/11-A			13:40																										
ZZZZZZ			13:41																										
ZZZZZZ			13:43																										
ZZZZZZ			13:44																										
ZZZZZZ			13:45																										
ZZZZZZ			13:46																										
ZZZZZZ			13:47																										
ZZZZZZ			13:48																										
ZZZZZZ			13:49																										
ZZZZZZ			13:50																										
ZZZZZZ			13:51																										
CCV 180-409764/10-A			13:53																										
CCB 180-409764/11-A			13:54																										
ZZZZZZ			13:55																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: HGZ Analysis Method: EPA 7471B
 Start Date: 08/24/2022 12:00 End Date: 08/24/2022 16:24

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			13:57																										
ZZZZZZ			13:59																										
ZZZZZZ			14:00																										
ZZZZZZ			14:01																										
ZZZZZZ			14:03																										
ZZZZZZ			14:05																										
ZZZZZZ			14:18																										
ZZZZZZ			14:21																										
ZZZZZZ			14:22																										
CCV 180-409764/10-A	1		14:32	X																									
CCB 180-409764/11-A	1		14:34	X																									
MB 180-409708/1-A	1	T	14:35	X																									
LCS 180-409708/2-A	1	T	14:36	X																									
ZZZZZZ			14:37																										
ZZZZZZ			14:38																										
ZZZZZZ			14:40																										
ZZZZZZ			14:55																										
ZZZZZZ			15:02																										
ZZZZZZ			15:05																										
180-142292-1	25	T	15:09	X																									
180-142292-1 MS	25	T	15:10	X																									
CCV 180-409764/10-A	1		15:14	X																									
CCB 180-409764/11-A	1		15:17	X																									
180-142292-1 MSD	25	T	15:18	X																									
ZZZZZZ			15:19																										
ZZZZZZ			15:22																										
ZZZZZZ			15:25																										
ZZZZZZ			15:26																										
ZZZZZZ			15:27																										
ZZZZZZ			15:28																										
ZZZZZZ			15:30																										
ZZZZZZ			15:31																										
ZZZZZZ			15:32																										
CCV 180-409764/10-A	1		15:33	X																									
CCB 180-409764/11-A	1		15:35	X																									
ZZZZZZ			15:36																										
ZZZZZZ			15:37																										
ZZZZZZ			15:38																										
ZZZZZZ			15:39																										
ZZZZZZ			15:40																										
ZZZZZZ			15:41																										
ZZZZZZ			15:42																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: HGZ Analysis Method: EPA 7471B

Start Date: 08/24/2022 12:00 End Date: 08/24/2022 16:24

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			15:43																										
ZZZZZZ			15:44																										
ZZZZZZ			15:45																										
CCV 180-409764/10-A			15:46																										
CCB 180-409764/11-A			15:48																										
ZZZZZZ			15:50																										
ZZZZZZ			15:51																										
ZZZZZZ			15:52																										
ZZZZZZ			15:53																										
ZZZZZZ			15:54																										
ZZZZZZ			15:55																										
ZZZZZZ			15:56																										
ZZZZZZ			15:57																										
ZZZZZZ			15:58																										
ZZZZZZ			15:59																										
CCV 180-409764/10-A	1		16:00	X																									
CCB 180-409764/11-A	1		16:01	X																									
ZZZZZZ			16:02																										
ZZZZZZ			16:03																										
ZZZZZZ			16:04																										
ZZZZZZ			16:05																										
ZZZZZZ			16:06																										
ZZZZZZ			16:07																										
ZZZZZZ			16:08																										
ZZZZZZ			16:09																										
ZZZZZZ			16:11																										
ZZZZZZ			16:12																										
CCV 180-409764/10-A	1		16:13	X																									
CCB 180-409764/11-A	1		16:14	X																									
ZZZZZZ			16:15																										
ZZZZZZ			16:16																										
ZZZZZZ			16:17																										
ZZZZZZ			16:19																										
CCV 180-409764/10-A			16:20																										
CCB 180-409764/11-A			16:21																										
CRA 180-409764/9-A	1		16:22	X																									
CCV 180-409764/10-A			16:23																										
CCB 180-409764/11-A			16:24																										

Prep Types: _____
T = Total/NA

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____ Analysis Batch No.: 408717
ICP Instrument ID: C Start Date: 08/15/2022 End Date: 08/15/2022

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 180-408717/4	06:48										
ICBIS 180-408717/5	06:53										
ICVL 180-408717/6	06:58	98		99		100		100			
ICSA 180-408717/7	07:04	76		89		86		97			
ICSAB 180-408717/8	07:09	76		90		86		98			
CCV 180-408717/9	07:14	85		95		94		99			
CCB1 180-408717/10	07:19	100		100		100		101			
MB 180-408543/1-A	08:02	100		100		103		104			
LCS 180-408543/2-A	08:08	92		98		99		103			
LB 180-408025/1-F	08:12	91		96		95		102			
CCV 180-408717/21	08:18	85		95		94		100			
CCB2 180-408717/22	08:23	100		100		101		101			
CCV 180-408717/33	09:21	85		96		94		99			
CCB3 180-408717/34	09:26	100		100		101		100			
180-142292-1	10:03	90		97		95		100			
CCV 180-408717/45	10:25	84		95		94		100			
CCB4 180-408717/46	10:30	100		100		100		101			
CCVL 180-408717/59	11:38	98		100		100		99			

15A-IN
ICP INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____ Analysis Batch No.: 408717
ICP Instrument ID: C Start Date: 08/15/2022 End Date: 08/15/2022

Analyte	Wavelength	Internal Standard Used:				
		Element In 230.606	Element Y 224.306	Element Y 360.073	Element Y 371.030	Element
Arsenic	189.042		X			
Barium	455.403				X	
Cadmium	228.802		X			
Chromium	267.716			X		
Copper	327.396			X		
Lead	220.353	X				
Nickel	231.604	X				
Selenium	196.090		X			
Silver	328.068			X		
Zinc	206.200		X			
Molybdenum	202.030		X			
<i>Aluminum</i>	308.215				X	
<i>Antimony</i>	217.581		X			
<i>Beryllium</i>	313.042				X	
<i>Boron</i>	182.641		X			
<i>Calcium</i>	317.933				X	
<i>Cobalt</i>	228.616	X				
<i>Iron</i>	259.940				X	
<i>Li</i>	670.784				X	
<i>Magnesium</i>	279.079				X	
<i>Manganese</i>	257.610			X		
<i>Potassium</i>	766.490				X	
<i>Silicon</i>	251.611				X	
<i>Sodium</i>	589.592				X	
<i>Strontium</i>	346.446				X	
<i>Thallium</i>	190.856	X				
<i>Tin</i>	189.989		X			
<i>Titanium</i>	337.280			X		
<i>Vanadium</i>	290.882				X	
Internal Standard Name on Instrument		In2306	Y_2243	Y_3600	Y_3710	

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_AddHClpH>5
LB 180-408025/1		EPA 1311, 3010A, EPA 6010D		100.00 g	2000 mL	5.00 g	96.5 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3010A, EPA 6010D	P	100.13 g	2000 mL	5.01 g	96.5 mL	9.78 SU	3.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHChe ck	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid
LB 180-408025/1		EPA 1311, 3010A, EPA 6010D		50 Celsius		08/10/22	2 hrs	4.95 SU	TCLP Extraction Fluid #1
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 3010A, EPA 6010D	P	50 Celsius	1.61 SU	08/10/22	2 hrs	6.98 SU	TCLP Extraction Fluid #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.

EPA 6010D

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Batch Notes	
Hot Plate ID	TCLP-2
Thermometer ID	TCLP-2
First Start time	1100
First End time	1400
Rotator ID	# 5
Tumbler Rotations per Minute	30
Probe ID	XP1-16342
Balance ID	AND-14577823
pH Meter ID	ACCUMET-XL-150
pH Meter Calibration Slope	96.7 / 97.9
Room Temperature Thermometer ID	FISHER-160719405
Uncorrected Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Celsius
Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Degrees C
TCLP Fluid 1 ID	4888942
TCLP Fluid 1 pH	4.93
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
Lot # of Nitric Acid	4607837
1N HCl ID	4896087
Filter ID	4877852
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Analyst ID - Spike Analyst	MJC
Analyst ID - Spike Witness Analyst	RGT
Bottle Lot ID	0400401G
Room Temperature during Rotation	21.0 Degrees C

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Uncorrected Room Temperature	21.0 Degrees C
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408543 Batch Start Date: 08/12/22 17:00 Batch Analyst: Frankos, Nicholas ABatch Method: 3010A Batch End Date: 08/12/22 21:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TA-SPIKE1 00019	TA-SPIKE2 00016	TA-Spike3 INT 00013	
MB 180-408543/1		3010A, EPA 6010D		50 mL	50 mL				
LCS 180-408543/2		3010A, EPA 6010D		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	
LB 180-408025/1-A		3010A, EPA 6010D		5 mL	50 mL				
180-142292-C-1-D	TI-NA-FL-D-22072 70900	3010A, EPA 6010D	P	5 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2204135
Pipette/Syringe/Dispenser ID	B912397084
Analyst ID - Spike Analyst	NAF
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	5.0 mL 4959117
Nitric Acid ID	3.0 mL 4970438
Digestion Unit ID	HB1
Thermometer ID	3112413 CF0.0
Thermometer Location ID	G6
Temperature - Uncorrected - Start	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	08/12/2022 17:00
Digestion End Time	08/12/2022 21:00
Temperature - Uncorrected - End	95 Degrees C
Temperature - Corrected - End	95 Degrees C
Batch Comment	Metals C5

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew J

Batch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_SampleWeigh t	EFD_VolumeWater Add	EFD_InitialpH	EFD_AddHClpH>5
LB 180-408025/1		EPA 1311, 7470A, EPA 7470A		100.00 g	2000 mL	5.00 g	96.5 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 7470A, EPA 7470A	P	100.13 g	2000 mL	5.01 g	96.5 mL	9.78 SU	3.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EFD_HeatHeld	EFD_SecondpHChe ck	FiltCompDate	FiltCompTime	LeachatepH	ExtractFluid
LB 180-408025/1		EPA 1311, 7470A, EPA 7470A		50 Celsius		08/10/22	2 hrs	4.95 SU	TCLP Extraction Fluid #1
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 1311, 7470A, EPA 7470A	P	50 Celsius	1.61 SU	08/10/22	2 hrs	6.98 SU	TCLP Extraction Fluid #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.

EPA 7470A

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Batch Notes	
Hot Plate ID	TCLP-2
Thermometer ID	TCLP-2
First Start time	1100
First End time	1400
Rotator ID	# 5
Tumbler Rotations per Minute	30
Probe ID	XP1-16342
Balance ID	AND-14577823
pH Meter ID	ACCUMET-XL-150
pH Meter Calibration Slope	96.7 / 97.9
Room Temperature Thermometer ID	FISHER-160719405
Uncorrected Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Celsius
Water Bath Temperature	TCLP-2 (HOT PLATE) (50.0) Degrees C
TCLP Fluid 1 ID	4888942
TCLP Fluid 1 pH	4.93
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
Lot # of Nitric Acid	4607837
1N HCl ID	4896087
Filter ID	4877852
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Analyst ID - Spike Analyst	MJC
Analyst ID - Spike Witness Analyst	RGT
Bottle Lot ID	0400401G
Room Temperature during Rotation	21.0 Degrees C

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408025 Batch Start Date: 08/09/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: EPA 1311 Batch End Date: 08/10/22 10:00

Uncorrected Room Temperature	21.0 Degrees C
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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.

EPA 7470A

Page 3 of 3

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408233 Batch Start Date: 08/10/22 17:00 Batch Analyst: Rosenbaum, RonBatch Method: 7470A Batch End Date: 08/10/22 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MHgworkingCal 02930	MHgWorkingicv 02846		
ICV 180-408233/7		7470A, EPA 7470A		100 mL	100 mL		2.5 mL		
ICB 180-408233/8		7470A, EPA 7470A		100 mL	100 mL				
CRA 180-408233/9		7470A, EPA 7470A		100 mL	100 mL	0.2 mL			
CCV 180-408233/10		7470A, EPA 7470A		100 mL	100 mL	5 mL			
CCB 180-408233/11		7470A, EPA 7470A		100 mL	100 mL				

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2202231
Pipette/Syringe/Dispenser ID	B912397084 B720115069
Analyst ID - Spike Analyst	RJR
Analyst ID - Spike Witness Analyst	RJR
Nitric Acid ID	2.5ml 4866773 HG-DISP-N1
Sulfuric Acid ID	5ml 4900762 HG-DISP-7N8924
Potassium Permanganate ID	15ML 4956817 HG-DISP-KMNO4
Potassium Persulfate ID	8ML 4960467 HG-DISP-KS4
Digestion Unit ID	HB4
Thermometer ID	675258 CF0.0 D2
Temperature - Uncorrected - Start	95C Degrees C
Temperature - Corrected - Start	95C Degrees C
Digestion Start Time	08/10/2022 1700
Digestion End Time	08/10/2022 1900
Temperature - Uncorrected - End	95C Degrees C
Temperature - Corrected - End	95C Degrees C
Hydroxylamine ID	6ML 4961385 HG-DISP-C6

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408279 Batch Start Date: 08/11/22 10:10 Batch Analyst: Rosenbaum, RonBatch Method: 7470A Batch End Date: 08/11/22 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MHgworkingCal 02931			
MB 180-408279/1		7470A, EPA 7470A		25 mL	25 mL				
LCS 180-408279/2		7470A, EPA 7470A		25 mL	25 mL	0.625 mL			
LB 180-408025/1-A		7470A, EPA 7470A		25 mL	25 mL				
180-142292-C-1-D	TI-NA-FL-D-22072 70900	7470A, EPA 7470A	P	25 mL	25 mL				

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2204135
Pipette/Syringe/Dispenser ID	B912397084
Analyst ID - Spike Analyst	RJR
Analyst ID - Spike Witness Analyst	RJR
Sufficient Volume for Batch QC	YES
Nitric Acid ID	0.625ML 4866773
Sulfuric Acid ID	1.25ML 4900762 HG-DISP-7N8924
Potassium Permanganate ID	3.75ML. 4956817
Potassium Persulfate ID	2ML 4960467
Digestion Unit ID	AUTOBLOCK
Thermometer ID	672096 CF0.0 A2
Temperature - Uncorrected - Start	95C Degrees C
Temperature - Corrected - Start	95C Degrees C
Digestion Start Time	08/11/2022 1010
Digestion End Time	08/11/2022 1210
Temperature - Uncorrected - End	95C Degrees C
Temperature - Corrected - End	95C Degrees C
Hydroxylamine ID	1.5ML 4961385

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 409669 Batch Start Date: 08/23/22 15:20 Batch Analyst: Yaeger, Harrison CBatch Method: 7471B Batch End Date: 08/23/22 16:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MHgworkingCal 02939			
MB 180-409669/1		7471B, EPA 7471B		0.60 g	100 mL				
LCS 180-409669/2		7471B, EPA 7471B		0.60 g	100 mL	2.5 mL			
180-142292-C-1	TI-NA-FL-D-22072 70900	7471B, EPA 7471B	T	0.69 g	100 mL				

Batch Notes	
Nominal Amount Used	0.6g g
Balance ID	B738722774
Blank Matrix ID	1736518
Digestion Tube/Cup ID	ENVEXPRESS 2204135
Pipette/Syringe/Dispenser ID	B912397084 B720115069
Analyst ID - Spike Analyst	RJR
Analyst ID - Spike Witness Analyst	RJR
Sufficient Volume for Batch QC	YES
Potassium Permanganate ID	15ML 4981304 HG-DISP-KMNO4
Digestion Unit ID	HB2
Thermometer ID	081101155 CF0.0 A5
Temperature - Uncorrected - Start	95C Degrees C
Temperature - Corrected - Start	95C Degrees C
Digestion Start Time	08/23/2022 15:20
Digestion End Time	08/23/2022 16:05
Temperature - Uncorrected - End	95C Degrees C
Temperature - Corrected - End	95C Degrees C
Hydroxylamine ID	6ML 4977311 HG-DISP-C6
Batch Comment	5ML 4988504 // 8ML 4976049 HG-DISP-KS4

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 409708 Batch Start Date: 08/23/22 15:15 Batch Analyst: Yaeger, Harrison C

Batch Method: 7471B Batch End Date: 08/24/22 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MHgworkingCal 02939			
MB 180-409708/1		7471B, EPA 7471B		0.60 g	100 mL				
LCS 180-409708/2		7471B, EPA 7471B		0.60 g	100 mL	2.5 mL			
180-142292-C-1	TI-NA-FL-D-22072 70900	7471B, EPA 7471B	T	0.75 g	100 mL				
180-142292-C-1 MS	TI-NA-FL-D-22072 70900	7471B, EPA 7471B	T	0.75 g	100 mL	1 mL			
180-142292-C-1 MSD	TI-NA-FL-D-22072 70900	7471B, EPA 7471B	T	0.74 g	100 mL	1 mL			

Batch Notes	
Nominal Amount Used	0.6g g
Balance ID	B738722774
Blank Matrix ID	1736518
Digestion Tube/Cup ID	ENVEXPRESS 2204135
Pipette/Syringe/Dispenser ID	B912397084 B720115069
Analyst ID - Spike Analyst	RJR
Analyst ID - Spike Witness Analyst	RJR
Sufficient Volume for Batch QC	YES
Potassium Permanganate ID	15ML 4981304 HG-DISP-KMNO4
Digestion Unit ID	HB1
Thermometer ID	081100972 CF0.0 A5
Temperature - Uncorrected - Start	95C Degrees C
Temperature - Corrected - Start	95C Degrees C
Digestion Start Time	08/23/2022 15:15
Digestion End Time	08/23/2022 16:00
Temperature - Uncorrected - End	95C Degrees C
Temperature - Corrected - End	95C Degrees C
Hydroxylamine ID	6ML 4977311 HG-DISP-C6
Batch Comment	5ML 4988504 // 8ML 4976049 HG-DISP-KS4

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 409708 Batch Start Date: 08/23/22 15:15 Batch Analyst: Yaeger, Harrison CBatch Method: 7471B Batch End Date: 08/24/22 16:00

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 409764 Batch Start Date: 08/23/22 16:00 Batch Analyst: Rosenbaum, RonBatch Method: 7470A Batch End Date: 08/23/22 16:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MHgworkingCal 02939	MHgWorkingicv 02853		
ICV 180-409764/7		7470A, EPA 7471B		100 mL	100 mL		2.5 mL		
ICB 180-409764/8		7470A, EPA 7471B		100 mL	100 mL				
CRA 180-409764/9		7470A, EPA 7471B		100 mL	100 mL	0.2 mL			
CCV 180-409764/10		7470A, EPA 7471B		100 mL	100 mL	5 mL			
CCB 180-409764/11		7470A, EPA 7471B		100 mL	100 mL				

Batch Notes	
Digestion Tube/Cup ID	ENVEXPRESS 2204135
Pipette/Syringe/Dispenser ID	B912397084 B720115069
Analyst ID - Spike Analyst	RJR
Analyst ID - Spike Witness Analyst	RJR
Potassium Permanganate ID	15ML 4981304 HG-DISP-KMNO4
Potassium Persulfate ID	8ML 4976049 HG-DISP-KS4
Digestion Unit ID	HB2
Thermometer ID	081101155 CF0.0 A5
Temperature - Uncorrected - Start	95C Degrees C
Temperature - Corrected - Start	95C Degrees C
Digestion Start Time	08/23/2022 1600
Digestion End Time	08/23/2022 1645
Temperature - Uncorrected - End	95C Degrees C
Temperature - Corrected - End	95C Degrees C
Hydroxylamine ID	6ML 4977311 HG-DISP-C6
Batch Comment	5ML 4988504

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.

EPA 7471B

Page 1 of 1

Sample Name: STD1 Acquired: 8/15/2022 6:32:37 Type: Cal
Method: PITT-6500ICP-2(v5574) Mode: IR Corr. Factor: 1.000000
User: RGood 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	-.00017	.00078	.00023	.00046	.00488	-.00075
Stddev	.00016	.00049	.00007	.00029	.00026	.00023
%RSD	90.793	63.027	33.214	63.694	5.3716	30.660

#1	-.00021	.00109	.00019	.00057	.00497	-.00081
#2	.00006	.00047	.00023	.00082	.00455	-.00075
#3	-.00025	.00130	.00015	.00028	.00484	-.00044
#4	-.00029	.00027	.00032	.00017	.00518	-.00100

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {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	.00616	.00076	.00083	.00012	-.00292	.00056
Stddev	.00024	.00027	.00005	.00005	.00019	.00004
%RSD	3.9459	35.905	5.5454	36.792	6.5870	7.8937

#1	.00645	.00042	.00083	.00006	-.00283	.00055
#2	.00627	.00066	.00077	.00016	-.00269	.00061
#3	.00591	.00100	.00083	.00012	-.00309	.00056
#4	.00602	.00095	.00089	.00015	-.00307	.00051

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	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	.00268	.00711	-.00039	.00014	-.00009	.01556
Stddev	.00178	.00030	.00026	.00005	.00013	.00091
%RSD	66.170	4.2795	68.337	37.686	147.31	5.8319

#1	.00374	.00727	-.00003	.00007	-.00012	.01488
#2	.00021	.00745	-.00065	.00020	-.00022	.01647
#3	.00417	.00683	-.00049	.00014	.00010	.01468
#4	.00262	.00687	-.00038	.00014	-.00012	.01619

Sample Name: STD1 Acquired: 8/15/2022 6:32:37 Type: Cal
Method: PITT-6500ICP-2(v5574) Mode: IR Corr. Factor: 1.000000
User: RGood Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {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	.00260	-.00060	-.00049	.00005	.00057	.00003
Stddev	.00021	.00041	.00026	.00009	.00024	.00014
%RSD	8.0221	68.279	51.677	166.60	41.579	425.19

#1	.00266	-.00021	-.00069	.00007	.00028	.00021
#2	.00231	-.00047	-.00071	.00015	.00070	.00004
#3	.00280	-.00118	-.00041	.00004	.00081	-.00011
#4	.00263	-.00055	-.00017	-.00006	.00049	-.00001

Elem	Sr	Ti	Tl	V	Zn
Line	346.446 { 97}	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	-.00074	.00018	-.00091	.00035	.00132
Stddev	.00089	.00008	.00047	.00025	.00020
%RSD	120.68	46.508	52.056	70.629	15.287

#1	-.00120	.00007	-.00085	.00057	.00146
#2	-.00058	.00026	-.00109	.00015	.00140
#3	.00044	.00015	-.00141	.00012	.00102
#4	-.00161	.00022	-.00029	.00057	.00142

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1523.1	2650.6	44130.	3987.7
Stddev	10.1	14.3	326.	22.6
%RSD	.66002	.53901	.73813	.56709

#1	1521.5	2644.9	44258.	3963.0
#2	1511.0	2634.6	44355.	3974.2
#3	1535.5	2668.2	44260.	4008.8
#4	1524.3	2654.5	43646.	4004.9

Sample Name: STD2A Acquired: 8/15/2022 6:38:03 Type: Cal
Method: PITT-6500ICP-2(v5574) Mode: IR Corr. Factor: 1.000000
User: RGood 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	.67096	.08397	1.4005	21.610	14.382	2.5449
Stddev	.00079	.00036	.0028	.019	.043	.0020
%RSD	.11734	.43365	.20242	.08753	.29717	.07780

#1	.67023	.08343	1.3970	21.628	14.369	2.5436
#2	.67194	.08420	1.4012	21.584	14.345	2.5439
#3	.67123	.08407	1.3998	21.619	14.372	2.5479
#4	.67042	.08416	1.4039	21.610	14.444	2.5444

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	8.2598	.61416	.89216	6.8930	4.7653	2.8794
Stddev	.0180	.00118	.00030	.0099	.0088	.0039
%RSD	.21821	.19179	.03407	.14384	.18402	.13469

#1	8.2463	.61301	.89211	6.8986	4.7600	2.8809
#2	8.2842	.61528	.89260	6.8928	4.7782	2.8736
#3	8.2461	.61328	.89202	6.9016	4.7597	2.8822
#4	8.2627	.61507	.89191	6.8792	4.7633	2.8807

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {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	3.4806	.41973	.15885	.07086	.11948	1.0155
Stddev	.0050	.00172	.00052	.00048	.00104	.0010
%RSD	.14323	.40865	.32756	.67429	.86679	.09766

#1	3.4798	.41895	.15917	.07067	.11897	1.0155
#2	3.4873	.42221	.15897	.07073	.11903	1.0147
#3	3.4753	.41832	.15809	.07156	.11889	1.0169
#4	3.4801	.41943	.15918	.07048	.12103	1.0149

Sample Name: STD2A Acquired: 8/15/2022 6:38:03 Type: Cal
Method: PITT-6500ICP-2(v5574) Mode: IR Corr. Factor: 1.000000
User: RGood 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	.38840	2.6990	.41561	.41842	3.5723
Stddev	.00169	.0013	.00072	.00148	.0098
%RSD	.43568	.04921	.17229	.35393	.27357
#1	.38747	2.7001	.41559	.41743	3.5804
#2	.38653	2.7002	.41612	.41803	3.5801
#3	.38938	2.6976	.41613	.42061	3.5684
#4	.39021	2.6982	.41461	.41762	3.5602
Int. Std.	In2306	Y_2243	Y_3600	Y_3710	
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1464.6	2629.3	43920.	4017.8	
Stddev	3.4	2.0	132.	21.3	
%RSD	.22949	.07725	.30097	.52910	
#1	1465.5	2629.1	43949.	4026.4	
#2	1460.0	2627.9	43733.	4040.5	
#3	1468.1	2632.2	44046.	4014.0	
#4	1464.9	2627.8	43950.	3990.4	

Sample Name: STD3 Acquired: 8/15/2022 6:42:57 Type: Cal
Method: PITT-6500ICP-2(v5574) Mode: IR Corr. Factor: 1.000000
User: RGood 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	1.0622	10.051	4.0005	14.949	.88921	53.975
Stddev	.0047	.037	.0121	.039	.00309	.228
%RSD	.44181	.36787	.30190	.26004	.34742	.42222
#1	1.0553	10.004	3.9964	14.926	.88789	53.886
#2	1.0646	10.092	4.0185	14.984	.89240	54.249
#3	1.0656	10.065	3.9928	14.907	.89103	53.716
#4	1.0632	10.045	3.9943	14.980	.88555	54.050
Int. Std.	Y_3710					
Line	371.030 { 91}					
Units	Cts/S					
Avg	3891.0					
Stddev	21.3					
%RSD	.54633					
#1	3917.8					
#2	3866.0					
#3	3892.4					
#4	3887.9					

Sample Name: ICV 4891504 Acquired: 8/15/2022 6:48:18 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50415	12.341	.26282	1.0515	1.0022	.99302
Stddev	.00173	.093	.00351	.0021	.0034	.00156
%RSD	.34398	.75602	1.3351	.19522	.33857	.15754

#1	.50447	12.236	.26785	1.0545	1.0000	.99298
#2	.50647	12.288	.25976	1.0502	1.0045	.99445
#3	.50261	12.411	.26147	1.0500	.99861	.99379
#4	.50306	12.427	.26218	1.0514	1.0057	.99085

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	25.223	.25061	1.0199	.99094	1.0053	12.496
Stddev	.077	.00031	.0003	.00234	.0050	.025
%RSD	.30343	.12312	.03369	.23581	.49737	.20410

#1	25.147	.25038	1.0195	.99339	1.0007	12.496
#2	25.317	.25104	1.0201	.99242	1.0076	12.531
#3	25.175	.25061	1.0196	.98851	1.0016	12.488
#4	25.251	.25040	1.0203	.98943	1.0112	12.471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4891504 Acquired: 8/15/2022 6:48:18 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.291	1.0044	24.355	.98573	.97704	48.377
Stddev	.155	.0046	.075	.00207	.00172	.081
%RSD	.32091	.45774	.30899	.20953	.17631	.16680

#1	48.380	1.0016	24.398	.98563	.97898	48.401
#2	48.329	1.0075	24.438	.98815	.97509	48.294
#3	48.392	.99941	24.276	.98311	.97788	48.479
#4	48.062	1.0090	24.309	.98601	.97624	48.336

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0126	.25325	.24870	.24750	W 1.0740	.97325
Stddev	.0005	.00108	.00137	.00352	.0165	.00159
%RSD	.05300	.42530	.55189	1.4211	1.5407	.16300

#1	1.0124	.25306	.25058	.24759	1.0555	.97377
#2	1.0122	.25313	.24753	.24492	1.0832	.97509
#3	1.0133	.25211	.24784	.25244	1.0654	.97282
#4	1.0122	.25471	.24884	.24505	1.0919	.97132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value					1.0000	
Range					5.5000%	

Sample Name: ICV 4891504 Acquired: 8/15/2022 6:48:18 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.97479	1.0000	.51006	.98582	.98547
Stddev	.00905	.0006	.00178	.00204	.00196
%RSD	.92812	.05561	.34993	.20688	.19909

#1	.96469	.99945	.51266	.98318	.98266
#2	.98287	1.0008	.50936	.98796	.98670
#3	.98197	.99994	.50960	.98545	.98694
#4	.96962	.99985	.50862	.98670	.98556

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	1377.5	2596.8	42757.	4006.9
Stddev	.8	2.0	201.	10.0
%RSD	.05820	.07512	.47125	.24961

#1	1377.3	2594.2	42714.	4001.0
#2	1376.6	2598.6	42498.	3998.6
#3	1378.5	2596.6	42969.	4007.2
#4	1377.8	2598.0	42846.	4020.9

Sample Name: ICBIS Acquired: 8/15/2022 6:53:17 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.02042	-.00020	.00261	.00013	-.00008
Stddev	.00030	.01039	.00281	.00061	.00019	.00011
%RSD	1954.1	50.904	1373.5	23.341	148.49	142.51

#1	.00021	.00530	.00346	.00344	.00011	-.00015
#2	-.00037	.02187	-.00154	.00254	.00041	-.00019
#3	.00028	.02749	-.00307	.00245	.00002	-.00001
#4	-.00006	.02699	.00034	.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	.00041	.00010	.00025	-.00045	-.00027	-.00535
Stddev	.00293	.00014	.00013	.00044	.00063	.00251
%RSD	721.69	138.66	52.296	97.595	234.56	46.877

#1	-.00197	.00003	.00040	-.00101	-.00040	-.00634
#2	.00428	-.00001	.00019	-.00058	-.00010	-.00212
#3	-.00176	.00030	.00029	-.00017	-.00104	-.00490
#4	.00109	.00008	.00010	-.00004	.00047	-.00804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 8/15/2022 6:53:17 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09250	.00176	.00683	.00001	.00046	.02536
Stddev	.02297	.00083	.04671	.00005	.00033	.00748
%RSD	24.830	47.259	683.79	686.42	71.632	29.490

#1	.07604	.00165	.01469	.00008	.00029	.02503
#2	.08699	.00169	.05849	-.00002	.00011	.02694
#3	.08069	.00287	-.05490	-.00001	.00086	.01566
#4	.12629	.00084	.00904	-.00002	.00058	.03379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	-.00049	-.00047	.00152	.00873	.00021
Stddev	.00063	.00224	.00101	.00154	.00552	.00044
%RSD	169.87	457.17	215.56	101.30	63.214	207.49

#1	.00077	.00067	.00007	.00283	.00153	.00066
#2	-.00056	-.00111	-.00062	-.00070	.01102	.00029
#3	.00055	-.00333	-.00182	.00178	.00785	.00031
#4	.00071	.00181	.00050	.00217	.01452	-.00040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICBIS Acquired: 8/15/2022 6:53:17 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01080	.00013	-.00159	-.00469	-.00009
Stddev	.00587	.00016	.00132	.00334	.00010
%RSD	54.335	124.69	83.165	71.345	109.46

#1	.00708	.00036	-.00194	-.00704	-.00005
#2	.00670	.00002	-.00067	-.00116	.00003
#3	.01013	.00005	-.00043	-.00800	-.00018
#4	.01930	.00007	-.00330	-.00255	-.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	1532.0	2666.2	44382.	4042.1
Stddev	4.6	5.9	1149.	33.8
%RSD	.30346	.21994	2.5885	.83547

#1	1538.7	2674.5	44558.	4062.2
#2	1528.7	2660.8	44276.	4067.4
#3	1529.1	2664.6	42947.	4045.2
#4	1531.6	2664.8	45745.	3993.4

Sample Name: ICVL 4925836 Acquired: 8/15/2022 6:58:44 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00523	.19437	.00889	.20306	.20054	.00397
Stddev	.00034	.01984	.00341	.00063	.00063	.00006
%RSD	6.4429	10.207	38.376	.31072	.31584	1.4951

#1	.00555	.18548	.01129	.20298	.19971	.00391
#2	.00523	.19295	.01132	.20362	.20102	.00394
#3	.00536	.22240	.00887	.20220	.20105	.00405
#4	.00476	.17664	.00407	.20343	.20038	.00396

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0657	.00503	.04858	.00450	.02580	.10323
Stddev	.0247	.00004	.00043	.00069	.00064	.00281
%RSD	.48723	.69709	.88854	15.303	2.4829	2.7222

#1	5.0312	.00504	.04820	.00432	.02529	.10167
#2	5.0716	.00503	.04867	.00414	.02622	.10256
#3	5.0899	.00498	.04831	.00552	.02522	.10737
#4	5.0701	.00507	.04916	.00402	.02648	.10132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4925836 Acquired: 8/15/2022 6:58:44 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8653	.05058	5.0624	.01495	.04003	4.7801
Stddev	.0376	.00154	.0383	.00005	.00018	.0250
%RSD	.77298	3.0530	.75681	.36195	.43747	.52254

#1	4.8130	.05266	5.0345	.01496	.03994	4.7763
#2	4.9010	.05067	5.0997	.01498	.04015	4.8110
#3	4.8665	.05000	5.0908	.01498	.03982	4.7828
#4	4.8805	.04900	5.0246	.01487	.04019	4.7502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03903	.01066	.01110	.01055	.51854	.09921
Stddev	.00037	.00170	.00128	.00397	.00961	.00113
%RSD	.94289	15.966	11.538	37.668	1.8535	1.1392

#1	.03869	.01146	.01292	.01188	.52513	.10056
#2	.03882	.01266	.01107	.01535	.50725	.09781
#3	.03952	.00907	.01016	.00612	.52779	.09906
#4	.03908	.00943	.01025	.00884	.51399	.09942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4925836 Acquired: 8/15/2022 6:58:44 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05333	.04988	.01938	.04490	.02039
Stddev	.00668	.00017	.00069	.00531	.00017
%RSD	12.517	.33479	3.5543	11.832	.82375

#1	.06101	.05008	.01967	.04750	.02018
#2	.05004	.04969	.01861	.05052	.02047
#3	.05635	.04993	.01907	.03828	.02034
#4	.04593	.04982	.02018	.04332	.02057

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	1504.6	2651.4	44252.	4029.6
Stddev	3.2	2.3	168.	31.4
%RSD	.21283	.08581	.37998	.78012

#1	1508.8	2651.7	44462.	4069.7
#2	1504.9	2653.6	44116.	4019.4
#3	1501.0	2652.0	44315.	3994.6
#4	1503.8	2648.2	44117.	4034.8

Sample Name: IC5A 4912946 Acquired: 8/15/2022 7:04:06 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	504.61	.00488	-.00325	.00787	-.00012
Stddev	.00063	6.82	.00178	.00096	.00009	.00012
%RSD	118.29	1.3519	36.398	29.543	1.1547	99.583

#1	-.00037	513.04	.00292	-.00310	.00798	-.00029
#2	-.00141	506.74	.00392	-.00462	.00783	-.00007
#3	-.00045	501.42	.00679	-.00240	.00777	-.00013
#4	.00010	497.27	.00591	-.00288	.00789	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	475.80	-.00018	.00050	.00113	-.00021	183.26
Stddev	6.75	.00026	.00040	.00046	.00089	1.98
%RSD	1.4181	146.39	79.104	41.196	433.59	1.0829

#1	484.67	.00018	.00033	.00157	.00072	185.90
#2	476.95	-.00023	.00100	.00108	-.00141	183.44
#3	472.53	-.00044	.00007	.00050	-.00020	182.48
#4	469.03	-.00022	.00060	.00136	.00007	181.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 4912946 Acquired: 8/15/2022 7:04:06 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06640	.00578	502.48	.00073	-.00165	.07980
Stddev	.04138	.00094	6.36	.00006	.00035	.00630
%RSD	62.311	16.215	1.2656	7.6912	21.220	7.8903

#1	.06876	.00465	511.15	.00072	-.00167	.08529
#2	.01731	.00573	502.91	.00078	-.00161	.08514
#3	.06124	.00694	499.46	.00077	-.00209	.07347
#4	.11830	.00578	496.41	.00066	-.00123	.07530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00480	.00531	-.01000	.00426	.00661	.00464
Stddev	.00148	.00226	.00206	.00597	.01646	.00126
%RSD	30.803	42.511	20.601	140.42	249.12	27.187

#1	.00474	.00358	-.00775	-.00438	.02224	.00495
#2	.00562	.00553	-.00888	.00740	.01045	.00282
#3	.00610	.00842	-.01230	.00895	-.01662	.00575
#4	.00275	.00371	-.01107	.00505	.01037	.00503

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICESA 4912946 Acquired: 8/15/2022 7:04:06 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01868	-.00080	-.00725	-.00502	.00013
Stddev	.00632	.00006	.00151	.00245	.00046
%RSD	33.821	7.7397	20.873	48.727	349.80

#1	.02224	-.00079	-.00539	-.00510	-.00032
#2	.02083	-.00078	-.00909	-.00217	.00076
#3	.02238	-.00075	-.00732	-.00467	-.00003
#4	.00926	-.00089	-.00718	-.00814	.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	1159.7	2379.6	38307.	3923.8
Stddev	2.7	2.9	227.	57.9
%RSD	.23372	.12255	.59329	1.4757

#1	1157.5	2377.9	38554.	3844.9
#2	1158.1	2377.0	38067.	3918.1
#3	1163.5	2383.6	38168.	3955.2
#4	1159.9	2379.8	38438.	3976.9

Sample Name: ICSAB 4957584 Acquired: 8/15/2022 7:09:29 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1050	497.50	1.0381	9.8355	.98677	.47074
Stddev	.0021	.80	.0023	.0532	.00218	.00080
%RSD	.18969	.16091	.21751	.54114	.22097	.17035

#1	1.1054	497.60	1.0376	9.7736	.98753	.47167
#2	1.1050	498.07	1.0353	9.8097	.98643	.47034
#3	1.1023	497.99	1.0407	9.8712	.98915	.47108
#4	1.1074	496.34	1.0389	9.8877	.98396	.46985

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	468.35	1.0125	.98867	.94512	1.0891	180.89
Stddev	.61	.0059	.00338	.00460	.0012	.47
%RSD	.13115	.58208	.34200	.48694	.10772	.25886

#1	468.45	1.0072	.98467	.95010	1.0899	181.12
#2	469.16	1.0076	.98752	.94703	1.0882	180.22
#3	468.07	1.0168	.99260	.93929	1.0879	181.28
#4	467.72	1.0183	.98989	.94407	1.0902	180.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4957584 Acquired: 8/15/2022 7:09:29 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.074	1.0315	494.62	.93770	.90467	10.050
Stddev	.064	.0027	.49	.00272	.00525	.048
%RSD	.63408	.26238	.09867	.28967	.58004	.47542

#1	10.144	1.0306	495.06	.93693	.89850	10.066
#2	9.9955	1.0349	494.25	.93961	.90214	10.010
#3	10.102	1.0322	495.03	.93420	.90855	10.110
#4	10.056	1.0284	494.15	.94007	.90948	10.013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97017	.97557	.92870	.98250	9.5026	.87592
Stddev	.00510	.00409	.00345	.00579	.0181	.00516
%RSD	.52587	.41934	.37154	.58935	.19021	.58935

#1	.96269	.97517	.92389	.97529	9.5170	.86845
#2	.97140	.97542	.92892	.98928	9.4857	.87792
#3	.97400	.98083	.92996	.98383	9.5194	.88026
#4	.97260	.97085	.93201	.98159	9.4883	.87705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICSAB 4957584 Acquired: 8/15/2022 7:09:29 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.91684	.98296	.91041	.92096	.87417
Stddev	.00351	.00137	.00438	.00567	.00536
%RSD	.38329	.13890	.48137	.61525	.61278

#1	.92037	.98225	.90410	.91451	.86940
#2	.91867	.98294	.91320	.92784	.86967
#3	.91599	.98179	.91081	.92266	.87856
#4	.91231	.98488	.91354	.91883	.87905

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	1157.6	2390.0	38343.	3967.1
Stddev	4.0	11.7	151.	7.0
%RSD	.34558	.48834	.39365	.17587

#1	1162.0	2402.6	38357.	3976.1
#2	1159.0	2397.2	38393.	3959.2
#3	1152.5	2378.7	38490.	3967.5
#4	1156.7	2381.7	38133.	3965.5

Sample Name: CCV 4962953 Acquired: 8/15/2022 7:14:23 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0194	24.709	.50819	2.0564	1.9563	1.9653
Stddev	.0045	.182	.00399	.0024	.0131	.0118
%RSD	.44558	.73480	.78468	.11616	.67175	.59841

#1	1.0142	24.496	.50502	2.0571	1.9369	1.9495
#2	1.0210	24.940	.50809	2.0529	1.9650	1.9744
#3	1.0175	24.699	.50582	2.0582	1.9600	1.9741
#4	1.0248	24.703	.51385	2.0573	1.9634	1.9632

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.995	.50346	2.0563	1.9296	2.0090	24.925
Stddev	.429	.00072	.0033	.0062	.0073	.158
%RSD	.85806	.14359	.16026	.31989	.36187	.63567

#1	49.452	.50421	2.0549	1.9281	2.0058	24.744
#2	50.473	.50307	2.0608	1.9324	2.0153	25.120
#3	49.910	.50265	2.0530	1.9217	2.0002	24.964
#4	50.143	.50390	2.0565	1.9361	2.0147	24.872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 7:14:23 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	120.85	2.0060	48.873	1.9373	1.9714	121.50
Stddev	.52	.0193	.271	.0081	.0072	.50
%RSD	.43397	.96187	.55457	.42062	.36676	.41548

#1	120.26	1.9791	48.548	1.9316	1.9808	121.07
#2	120.93	2.0235	49.211	1.9419	1.9632	121.63
#3	121.52	2.0058	48.862	1.9294	1.9699	122.16
#4	120.69	2.0154	48.871	1.9464	1.9718	121.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0466	.50771	.50212	.51008	1.9501	1.9116
Stddev	.0026	.00290	.00228	.00246	.0148	.0070
%RSD	.12896	.57147	.45507	.48144	.76028	.36601

#1	2.0431	.50897	.50440	.50919	1.9317	1.9201
#2	2.0474	.50956	.49972	.50946	1.9549	1.9069
#3	2.0463	.50338	.50064	.51365	1.9468	1.9050
#4	2.0494	.50892	.50371	.50804	1.9671	1.9146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 7:14:23 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9274	1.9640	.98742	1.9622	1.9398
Stddev	.0188	.0029	.00126	.0197	.0032
%RSD	.97786	.14841	.12744	1.0044	.16234

#1	1.9028	1.9614	.98724	1.9374	1.9437
#2	1.9415	1.9648	.98571	1.9847	1.9361
#3	1.9429	1.9621	.98831	1.9586	1.9392
#4	1.9225	1.9678	.98841	1.9678	1.9403

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	1299.3	2535.3	41706.	3994.4
Stddev	3.1	3.1	264.	29.3
%RSD	.24121	.12069	.63296	.73236

#1	1303.4	2538.7	41841.	4024.5
#2	1296.0	2531.6	41634.	3955.9
#3	1299.5	2536.5	41978.	4007.2
#4	1298.2	2534.2	41372.	3989.9

Sample Name: CCB1 Acquired: 8/15/2022 7:19:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.01219	-.00035	.00650	-.00003	.00000
Stddev	.00040	.01060	.00097	.00045	.00016	.00010
%RSD	901.91	86.929	273.85	6.9190	487.39	3430.6

#1	.00019	.02343	.00097	.00669	.00015	-.00009
#2	.00018	.00596	-.00056	.00622	-.00012	-.00002
#3	-.00054	.01862	-.00137	.00704	-.00021	-.00002
#4	.00036	.00076	-.00046	.00605	.00004	.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	-.00078	-.00002	-.00001	-.00041	.00028	-.00080
Stddev	.00554	.00013	.00025	.00036	.00036	.00284
%RSD	709.50	663.29	4584.0	89.993	128.31	357.14

#1	-.00901	-.00013	.00032	-.00018	.00016	-.00083
#2	.00271	-.00010	-.00018	-.00029	.00079	.00318
#3	.00230	-.00003	.00004	-.00095	.00020	-.00334
#4	.00087	.00017	-.00021	-.00019	-.00004	-.00219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 8/15/2022 7:19:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05480	.00108	-.02329	-.00001	.00087	.02032
Stddev	.02253	.00125	.02774	.00004	.00032	.00543
%RSD	41.116	116.18	119.12	367.87	36.456	26.744

#1	.06084	.00165	-.00089	.00004	.00126	.01933
#2	.08317	.00031	-.05862	-.00003	.00049	.02143
#3	.03088	.00255	-.03224	-.00001	.00082	.02682
#4	.04433	-.00019	-.00141	-.00006	.00091	.01368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00040	-.00081	.00061	-.00359	.00088
Stddev	.00073	.00144	.00164	.00277	.00869	.00058
%RSD	509.24	359.17	203.16	457.65	241.95	66.003

#1	.00031	-.00035	.00060	-.00066	-.00568	.00002
#2	-.00085	.00032	-.00114	-.00260	.00873	.00115
#3	-.00067	.00244	.00030	.00359	-.00569	.00104
#4	.00064	-.00081	-.00299	.00210	-.01173	.00129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 8/15/2022 7:19:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00873	.00016	-.00051	-.00508	-.00019
Stddev	.01066	.00011	.00197	.00293	.00015
%RSD	122.11	69.376	385.96	57.567	77.112

#1	.02170	.00007	.00185	-.00118	.00001
#2	.01310	.00026	.00036	-.00561	-.00021
#3	-.00115	.00023	-.00189	-.00827	-.00034
#4	.00126	.00006	-.00235	-.00527	-.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	1534.8	2668.9	44580.	4099.2
Stddev	5.3	7.5	189.	23.7
%RSD	.34531	.28287	.42288	.57701

#1	1533.9	2662.9	44756.	4113.7
#2	1534.3	2666.4	44392.	4099.5
#3	1542.0	2679.9	44727.	4117.8
#4	1529.2	2666.1	44444.	4065.7

Sample Name: 180-141974-A-15 Acquired: 8/15/2022 7:24:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	.00786	-.00174	.00418	.00007	-.00006
Stddev	.00031	.02570	.00193	.00046	.00009	.00019
%RSD	164.23	326.89	110.65	10.955	129.34	339.44

#1	.00012	.00655	.00035	.00464	.00013	.00010
#2	-.00058	.04085	-.00431	.00439	-.00003	-.00025
#3	-.00029	.00598	-.00131	.00412	.00017	.00012
#4	-.00001	-.02193	-.00171	.00357	.00002	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00096	.00008	-.00002	-.00025	-.00001	-.00096
Stddev	.00098	.00010	.00021	.00054	.00062	.00267
%RSD	102.31	122.66	1230.8	216.52	4557.9	276.92

#1	.00004	.00019	-.00004	-.00022	.00090	-.00203
#2	.00108	.00006	.00013	.00018	-.00034	-.00035
#3	.00044	.00014	.00014	.00006	-.00048	.00241
#4	.00229	-.00005	-.00030	-.00103	-.00014	-.00388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-15 Acquired: 8/15/2022 7:24:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04398	.00091	.00539	-.00001	.00049	.00437
Stddev	.02629	.00085	.02884	.00003	.00026	.00739
%RSD	59.771	92.792	535.26	551.52	53.326	169.25

#1	.03958	.00074	-.00698	.00001	.00080	.00851
#2	.08119	.00163	.02764	.00001	.00028	.00210
#3	.01946	-.00022	-.02954	-.00006	.00027	.01179
#4	.03571	.00150	.03044	.00001	.00059	-.00493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00033	-.00029	-.00024	.00402	.00067
Stddev	.00023	.00207	.00060	.00087	.01129	.00047
%RSD	112.73	632.41	209.76	364.70	280.81	70.165

#1	.00031	-.00031	-.00103	.00022	.00873	.00059
#2	.00008	.00031	-.00023	-.00133	.01636	.00111
#3	.00046	.00181	-.00030	.00065	.00111	.00004
#4	-.00005	-.00312	.00043	-.00048	-.01011	.00092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-15 Acquired: 8/15/2022 7:24:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00414	.00015	-.00177	-.00451	-.00016
Stddev	.00563	.00012	.00138	.00264	.00022
%RSD	135.98	79.019	78.119	58.651	134.59

#1	.01135	-.00001	-.00348	-.00187	-.00035
#2	.00582	.00024	-.00100	-.00339	.00014
#3	.00038	.00024	-.00036	-.00469	-.00030
#4	-.00098	.00013	-.00224	-.00808	-.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	1536.6	2664.8	44720.	4079.3
Stddev	3.1	5.2	186.	15.3
%RSD	.20334	.19575	.41539	.37625

#1	1534.9	2670.4	44954.	4099.6
#2	1533.5	2662.7	44782.	4071.1
#3	1540.7	2667.7	44590.	4064.4
#4	1537.1	2658.6	44553.	4082.0

Sample Name: 180-141974-A-16 Acquired: 8/15/2022 7:30:13 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	.01294	-.00075	.00308	-.00005	-.00005
Stddev	.00024	.02851	.00165	.00062	.00027	.00018
%RSD	87.623	220.26	218.57	20.260	506.68	397.73

#1	-.00019	.03989	-.00149	.00316	-.00031	-.00022
#2	-.00017	-.01001	-.00248	.00363	-.00014	.00008
#3	-.00011	.03522	-.00042	.00334	-.00009	-.00018
#4	-.00064	-.01331	.00137	.00219	.00033	.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	.00052	.00008	-.00009	-.00058	-.00014	-.00217
Stddev	.00348	.00007	.00005	.00043	.00012	.00179
%RSD	665.51	94.153	50.897	73.006	84.130	82.736

#1	-.00398	.00009	-.00015	-.00108	-.00007	-.00061
#2	.00104	-.00000	-.00006	-.00067	-.00028	-.00346
#3	.00055	.00018	-.00005	-.00005	-.00020	-.00395
#4	.00448	.00006	-.00010	-.00054	-.00002	-.00064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-16 Acquired: 8/15/2022 7:30:13 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02615	.00047	.00717	-.00005	.00035	-.00236
Stddev	.05918	.00092	.01868	.00004	.00026	.00351
%RSD	226.27	194.27	260.65	86.204	74.840	148.71

#1	-.06251	.00019	.01218	-.00005	.00045	-.00162
#2	.05576	.00103	.03145	-.00007	.00067	-.00689
#3	.05915	.00136	-.00886	.00001	.00012	.00162
#4	.05221	-.00069	-.00609	-.00009	.00015	-.00254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00028	.00017	-.00035	.00728	.00054
Stddev	.00031	.00183	.00066	.00069	.01555	.00081
%RSD	695.56	649.43	400.69	197.03	213.64	149.09

#1	-.00021	.00005	-.00003	-.00027	-.01260	.00169
#2	.00041	.00128	.00069	-.00006	.00618	-.00013
#3	-.00025	.00198	-.00069	-.00133	.02516	.00051
#4	-.00013	-.00219	.00070	.00026	.01038	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-16 Acquired: 8/15/2022 7:30:13 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00371	.00007	.00195	-.00253	-.00020
Stddev	.00543	.00012	.00098	.00420	.00008
%RSD	146.60	183.72	50.342	166.21	42.954

#1	-.00120	-.00006	.00050	-.00573	-.00028
#2	.00883	.00005	.00246	-.00618	-.00013
#3	-.00077	.00023	.00263	.00262	-.00012
#4	.00796	.00004	.00221	-.00082	-.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	1531.0	2664.3	44632.	4091.4
Stddev	4.5	8.1	160.	22.6
%RSD	.29096	.30258	.35928	.55135

#1	1533.4	2668.7	44667.	4094.8
#2	1531.1	2663.2	44603.	4113.5
#3	1534.7	2671.8	44823.	4059.9
#4	1524.7	2653.4	44435.	4097.5

Sample Name: 180-141974-A-17 Acquired: 8/15/2022 7:35:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.01366	.00001	.00231	-.00003	-.00002
Stddev	.00049	.01339	.00076	.00047	.00021	.00005
%RSD	212.47	98.048	12033.	20.409	637.19	253.82

#1	-.00014	.01507	.00104	.00184	-.00015	-.00009
#2	.00070	.01751	-.00069	.00290	.00015	-.00003
#3	.00061	.02695	.00009	.00204	.00014	.00001
#4	-.00025	-.00490	-.00041	.00246	-.00027	.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	.00098	-.00005	.00003	-.00030	.00012	-.00482
Stddev	.00208	.00016	.00028	.00043	.00101	.00438
%RSD	212.46	296.07	813.12	143.84	865.34	90.881

#1	.00200	-.00023	-.00017	-.00022	.00087	-.00027
#2	-.00028	-.00011	.00010	-.00005	.00004	-.01063
#3	-.00118	.00014	.00041	-.00093	-.00129	-.00310
#4	.00337	-.00000	-.00020	.00000	.00085	-.00528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-17 Acquired: 8/15/2022 7:35:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00800	.00056	.02281	-.00001	.00030	-.00832
Stddev	.04461	.00103	.02073	.00001	.00020	.01093
%RSD	557.69	183.57	90.880	196.49	66.920	131.39

#1	.01062	-.00028	-.00134	-.00001	.00039	-.01428
#2	.04763	-.00010	.02062	.00001	.00014	.00792
#3	.02870	.00063	.02267	-.00003	.00054	-.01166
#4	-.05496	.00200	.04928	-.00001	.00012	-.01525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00068	.00050	.00002	-.00553	.00027
Stddev	.00036	.00124	.00170	.00188	.01046	.00073
%RSD	81.280	183.17	339.16	11134.	189.03	274.20

#1	-.00065	-.00079	-.00039	-.00010	-.01958	.00055
#2	-.00056	.00111	.00115	-.00180	.00076	-.00070
#3	-.00063	-.00153	.00256	-.00066	.00387	.00104
#4	.00009	-.00150	-.00130	.00262	-.00717	.00018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-17 Acquired: 8/15/2022 7:35:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00330	.00009	-.00048	-.00560	-.00009
Stddev	.00630	.00015	.00273	.00258	.00009
%RSD	191.23	170.51	564.01	46.099	101.00

#1	-.00016	.00007	.00167	-.00444	-.00003
#2	-.00384	-.00004	-.00399	-.00941	-.00010
#3	.00897	.00029	-.00130	-.00374	-.00002
#4	.00822	.00001	.00168	-.00480	-.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1534.3	2670.7	44561.	4079.4
Stddev	7.7	13.9	207.	27.9
%RSD	.50372	.51937	.46345	.68385

#1	1536.1	2672.3	44649.	4113.9
#2	1524.0	2654.1	44506.	4050.1
#3	1542.7	2687.9	44303.	4088.4
#4	1534.2	2668.4	44786.	4065.0

Sample Name: 180-141974-A-18 Acquired: 8/15/2022 7:41:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.01338	-.00027	.00167	-.00005	.00005
Stddev	.00048	.02295	.00075	.00026	.00019	.00014
%RSD	290.35	171.50	280.00	15.502	363.54	278.59

#1	-.00036	.00747	-.00109	.00153	-.00007	-.00012
#2	.00029	-.00051	.00021	.00162	.00018	.00003
#3	-.00003	-.00076	.00051	.00148	-.00029	.00008
#4	.00077	.04732	-.00070	.00205	-.00003	.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	-.00090	-.00001	.00009	-.00035	-.00016	-.00144
Stddev	.00421	.00020	.00036	.00024	.00058	.00597
%RSD	468.57	1369.1	416.03	69.100	355.71	415.04

#1	-.00434	.00013	-.00017	-.00032	.00062	-.00612
#2	-.00349	.00013	.00022	-.00022	-.00074	-.00651
#3	-.00076	-.00029	.00054	-.00017	-.00015	.00584
#4	.00499	-.00002	-.00023	-.00071	-.00038	.00104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-18 Acquired: 8/15/2022 7:41:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01875	.00062	.01052	-.00001	.00040	-.00807
Stddev	.04541	.00077	.03729	.00006	.00025	.00313
%RSD	242.18	125.79	354.67	665.46	61.533	38.753

#1	.03143	-.00051	-.03832	-.00007	.00039	-.00351
#2	.00828	.00076	.01486	.00000	.00048	-.01015
#3	.07202	.00101	.01304	-.00004	.00066	-.01007
#4	-.03673	.00121	.05249	.00007	.00007	-.00857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00000	.00060	-.00100	-.00230	.00052
Stddev	.00044	.00182	.00154	.00162	.01083	.00040
%RSD	122.79	42754.	257.93	162.80	471.73	77.382

#1	.00050	-.00058	.00142	-.00285	-.01022	.00080
#2	-.00015	.00271	-.00055	-.00126	.00635	.00058
#3	.00019	-.00108	.00234	-.00098	-.01300	.00077
#4	.00089	-.00107	-.00083	.00110	.00768	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-18 Acquired: 8/15/2022 7:41:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00430	.00013	-.00023	-.00655	-.00032
Stddev	.00877	.00011	.00153	.00272	.00014
%RSD	204.12	87.910	673.35	41.587	44.762

#1	.01231	.00028	-.00114	-.00605	-.00021
#2	.00859	.00013	.00202	-.00480	-.00027
#3	-.00788	.00000	-.00055	-.01053	-.00027
#4	.00418	.00011	-.00123	-.00480	-.00052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1538.6	2672.9	44627.	4094.0
Stddev	2.2	.9	111.	26.4
%RSD	.14424	.03298	.24819	.64518

#1	1536.0	2671.8	44607.	4132.1
#2	1537.7	2672.8	44778.	4085.4
#3	1541.3	2673.3	44613.	4087.5
#4	1539.2	2673.8	44511.	4071.1

Sample Name: 180-141974-A-19 Acquired: 8/15/2022 7:46:28 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00737	-.00147	.00154	.00004	.00002
Stddev	.00021	.03150	.00281	.00028	.00005	.00003
%RSD	693.09	427.23	190.64	17.920	132.42	129.74

#1	.00012	.02050	-.00232	.00148	.00004	.00002
#2	-.00025	-.00488	-.00025	.00165	.00010	.00004
#3	.00017	-.05198	-.00493	.00184	.00003	-.00002
#4	-.00017	.00687	.00161	.00119	-.00002	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00000	-.00001	-.00046	.00020	-.00474
Stddev	.00389	.00008	.00012	.00045	.00019	.00339
%RSD	363.00	8183.4	1229.5	96.036	94.117	71.486

#1	-.00130	.00011	-.00013	-.00087	.00016	-.00017
#2	.00674	-.00004	-.00009	.00012	.00048	-.00823
#3	-.00165	.00002	.00011	-.00075	.00004	-.00465
#4	.00050	-.00008	.00007	-.00035	.00013	-.00592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-19 Acquired: 8/15/2022 7:46:28 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04643	-.00019	.01638	-.00002	.00025	-.01564
Stddev	.01778	.00033	.02671	.00002	.00027	.00377
%RSD	38.290	174.97	163.08	113.18	111.31	24.127

#1	.02928	-.00047	.01234	-.00001	.00003	-.01525
#2	.03335	.00026	.01504	-.00005	.00005	-.01742
#3	.06518	-.00013	-.01340	-.00004	.00061	-.01056
#4	.05789	-.00042	.05153	.00001	.00029	-.01933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00098	.00014	.00303	.00162	.00020
Stddev	.00042	.00197	.00208	.00342	.00488	.00017
%RSD	314.01	200.29	1489.8	112.79	301.61	86.176

#1	.00012	.00115	-.00103	.00538	.00494	.00045
#2	.00071	-.00087	-.00060	-.00200	.00332	.00019
#3	-.00032	-.00361	.00325	.00384	-.00563	.00007
#4	.00003	-.00060	-.00105	.00491	.00384	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-19 Acquired: 8/15/2022 7:46:28 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00230	.00002	-.00012	-.00546	-.00019
Stddev	.00195	.00013	.00091	.00351	.00006
%RSD	84.732	625.66	745.21	64.306	33.326

#1	-.00028	-.00001	-.00067	-.00641	-.00017
#2	.00259	-.00004	-.00105	-.00037	-.00028
#3	.00244	-.00007	.00028	-.00666	-.00019
#4	.00445	.00021	.00096	-.00842	-.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	1528.8	2665.6	44541.	4105.1
Stddev	3.6	3.7	210.	11.0
%RSD	.23337	.13871	.47162	.26731

#1	1528.9	2665.3	44592.	4116.1
#2	1524.7	2665.1	44322.	4112.5
#3	1528.1	2661.6	44441.	4098.4
#4	1533.4	2670.5	44809.	4093.3

Sample Name: 180-141974-A-20 Acquired: 8/15/2022 7:51:51 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00643	-.00171	.00106	-.00008	.00011
Stddev	.00039	.01836	.00207	.00052	.00017	.00010
%RSD	173.96	285.37	121.07	48.541	197.51	91.356

#1	.00045	-.01743	-.00434	.00137	-.00010	.00019
#2	-.00009	.01927	-.00222	.00049	-.00017	-.00003
#3	.00066	.02235	-.00072	.00078	.00015	.00018
#4	-.00012	.00154	.00045	.00161	-.00022	.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	.00266	-.00001	-.00012	-.00065	.00007	-.00243
Stddev	.00245	.00015	.00022	.00033	.00084	.00141
%RSD	92.215	1537.7	183.60	50.707	1161.7	58.100

#1	.00150	.00010	.00018	-.00026	-.00024	-.00149
#2	.00267	-.00002	-.00012	-.00060	.00131	-.00449
#3	.00040	-.00021	-.00020	-.00107	-.00021	-.00155
#4	.00607	.00010	-.00035	-.00066	-.00056	-.00217

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-20 Acquired: 8/15/2022 7:51:51 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01783	.00000	.00467	-.00001	.00010	-.01192
Stddev	.01961	.00082	.02855	.00001	.00012	.00548
%RSD	110.01	33954.	610.89	137.81	129.93	45.934

#1	.04424	-.00117	-.02492	-.00001	-.00009	-.01761
#2	-.00269	.00069	-.00580	-.00001	.00019	-.00808
#3	.01186	.00004	.00658	-.00002	.00012	-.01553
#4	.01791	.00045	.04283	.00001	.00016	-.00646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00043	-.00027	.00311	.00135	.00052
Stddev	.00031	.00134	.00171	.00464	.00631	.00048
%RSD	197.91	310.71	627.78	149.25	467.28	90.659

#1	.00002	-.00200	-.00055	.00103	.00369	.00040
#2	-.00001	.00127	-.00136	.00099	.00142	.00118
#3	-.00063	-.00043	-.00140	.00036	.00760	.00004
#4	-.00001	-.00056	.00223	.01006	-.00731	.00048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-20 Acquired: 8/15/2022 7:51:51 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	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	-.00007	.00091	-.00434	-.00008
Stddev	.00530	.00013	.00138	.00505	.00017
%RSD	802.98	173.24	152.63	116.40	209.49

#1	-.00314	-.00003	.00290	.00311	-.00008
#2	-.00462	-.00024	.00075	-.00573	.00011
#3	.00570	.00006	-.00016	-.00796	-.00030
#4	.00471	-.00008	.00014	-.00677	-.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	1536.1	2675.0	44405.	4099.7
Stddev	1.2	3.2	122.	18.9
%RSD	.07789	.12136	.27532	.46093

#1	1535.3	2672.3	44293.	4120.0
#2	1535.2	2678.9	44360.	4083.9
#3	1536.4	2676.5	44388.	4083.3
#4	1537.7	2672.4	44578.	4111.5

Sample Name: 180-141974-A-21 Acquired: 8/15/2022 7:57:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00821	-.00224	.00095	.00012	-.00006
Stddev	.00027	.01746	.00096	.00093	.00010	.00014
%RSD	92.818	212.62	43.007	97.587	84.156	231.35

#1	.00010	.00055	-.00286	.00146	.00021	-.00025
#2	.00016	-.02220	-.00309	.00005	.00019	.00006
#3	.00021	.01212	-.00203	.00200	.00002	.00004
#4	.00068	-.02332	-.00096	.00030	.00005	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00415	-.00001	.00010	-.00037	.00029	.00051
Stddev	.00314	.00008	.00017	.00016	.00040	.00216
%RSD	75.741	1172.8	166.83	41.986	139.55	424.47

#1	.00021	-.00010	.00018	-.00041	.00058	-.00091
#2	.00371	.00008	-.00015	-.00047	.00012	-.00107
#3	.00781	-.00003	.00013	-.00014	.00065	.00042
#4	.00488	.00003	.00025	-.00046	-.00020	.00358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-21 Acquired: 8/15/2022 7:57:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00809	-.00033	.00177	-.00002	.00018	-.01366
Stddev	.03019	.00108	.02175	.00003	.00003	.00385
%RSD	373.15	325.51	1227.6	146.24	16.972	28.165

#1	-.01796	-.00033	.02680	-.00005	.00015	-.01133
#2	.04605	-.00163	-.02522	-.00002	.00017	-.01529
#3	.01864	.00102	.00835	.00002	.00018	-.01827
#4	-.01437	-.00039	-.00285	-.00003	.00022	-.00977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00047	-.00015	.00215	-.00358	.00070
Stddev	.00029	.00113	.00087	.00185	.00334	.00083
%RSD	1553.0	240.12	584.15	85.871	93.279	118.21

#1	.00033	-.00073	-.00124	.00050	-.00766	.00066
#2	.00002	.00061	.00077	.00380	-.00101	.00120
#3	-.00005	.00195	.00025	.00061	-.00070	-.00045
#4	-.00038	.00005	-.00038	.00371	-.00495	.00141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141974-A-21 Acquired: 8/15/2022 7:57:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00824	.00012	.00016	-.00433	-.00034
Stddev	.00627	.00011	.00043	.00242	.00009
%RSD	76.032	89.616	272.47	55.994	26.825

#1	.00268	.00003	.00042	-.00784	-.00030
#2	.00809	.00005	.00064	-.00233	-.00024
#3	.01704	.00015	-.00022	-.00327	-.00042
#4	.00516	.00027	-.00020	-.00387	-.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	1534.6	2673.1	44713.	4025.2
Stddev	3.4	8.6	384.	79.6
%RSD	.22254	.32072	.85980	1.9767

#1	1537.4	2684.6	44576.	4090.8
#2	1531.5	2663.9	44668.	4074.8
#3	1531.9	2671.4	44353.	3914.7
#4	1537.7	2672.6	45254.	4020.4

Sample Name: MB 180-408543/1-A Acquired: 8/15/2022 8:02:37 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00026	-.00204	.00052	-.00010	-.00002
Stddev	.00020	.01966	.00262	.00029	.00015	.00003
%RSD	142.46	7640.2	128.60	56.318	157.06	172.56

#1	-.00013	-.00796	.00090	.00043	-.00020	-.00002
#2	.00013	.01565	-.00175	.00027	-.00015	-.00003
#3	.00020	-.02370	-.00548	.00045	.00013	.00002
#4	.00036	.01704	-.00183	.00094	-.00016	-.00005

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00478	-.00004	.00032	-.00083	-.00030	.00321
Stddev	.00431	.00018	.00028	.00014	.00041	.00372
%RSD	90.192	411.07	86.072	16.736	136.58	115.79

#1	.00459	-.00019	-.00009	-.00082	.00012	.00211
#2	-.00035	.00019	.00045	-.00072	-.00049	.00201
#3	.00467	-.00019	.00045	-.00102	-.00077	.00011
#4	.01021	.00002	.00048	-.00074	-.00005	.00861

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Sample Name: MB 180-408543/1-A Acquired: 8/15/2022 8:02:37 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01673	-.00010	.00189	.00003	.00016	-.01651
Stddev	.05025	.00057	.01464	.00003	.00021	.00881
%RSD	300.34	600.11	776.20	106.70	133.18	53.374

#1	-.05233	.00059	.01446	.00000	.00017	-.00439
#2	.03208	-.00058	.00361	.00003	.00006	-.02545
#3	.06733	.00017	.00853	.00006	-.00004	-.01886
#4	.01985	-.00056	-.01905	.00001	.00045	-.01736

Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00091	.00120	.00153	.01001	.00022
Stddev	.00047	.00196	.00094	.00143	.00954	.00053
%RSD	407.32	216.40	78.571	93.658	95.391	245.00

#1	-.00020	.00078	.00112	.00067	-.00404	-.00042
#2	-.00058	.00371	.00012	.00365	.01402	.00079
#3	-.00021	-.00058	.00242	.00065	.01284	.00047
#4	.00053	-.00030	.00114	.00115	.01720	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Sample Name: MB 180-408543/1-A Acquired: 8/15/2022 8:02:37 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.00006	.00141	-.00438	.00153
Stddev	.00398	.00012	.00186	.00211	.00008
%RSD	384.41	206.37	131.68	48.251	4.9599

#1	.00211	.00011	-.00082	-.00690	.00158
#2	.00202	.00018	.00229	-.00293	.00143
#3	-.00464	.00004	.00073	-.00237	.00159
#4	.00465	-.00010	.00344	-.00532	.00152

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	1536.3	2668.3	45493.	4197.7
Stddev	3.7	9.9	182.	29.7
%RSD	.24358	.37016	.39968	.70748

#1	1541.9	2682.5	45572.	4224.1
#2	1534.5	2666.8	45548.	4155.1
#3	1535.0	2664.3	45628.	4203.7
#4	1533.9	2659.7	45225.	4207.7

Sample Name: LCS 180-408543/2-A Acquired: 8/15/2022 8:08:00 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25632	4.9510	1.0611	1.3675	.97264	.50878
Stddev	.00080	.0263	.0042	.0035	.00232	.00187
%RSD	.31257	.53168	.39288	.25704	.23842	.36803

#1	.25528	4.9148	1.0603	1.3655	.97177	.51024
#2	.25703	4.9567	1.0595	1.3663	.97562	.50872
#3	.25611	4.9547	1.0672	1.3727	.97306	.51000
#4	.25687	4.9779	1.0576	1.3654	.97013	.50615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.735	.51735	.49901	.48158	.49249	4.9500
Stddev	.080	.00102	.00093	.00071	.00172	.0253
%RSD	.32498	.19758	.18688	.14847	.34830	.51015

#1	24.790	.51593	.49906	.48059	.49206	4.9682
#2	24.645	.51734	.49920	.48186	.49459	4.9324
#3	24.814	.51829	.49776	.48227	.49286	4.9748
#4	24.689	.51784	.50001	.48157	.49046	4.9244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-408543/2-A Acquired: 8/15/2022 8:08:00 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.396	.50664	24.246	.48049	.50184	24.545
Stddev	.086	.00128	.250	.00078	.00186	.137
%RSD	.35148	.25269	1.0315	.16254	.37142	.55817

#1	24.452	.50515	24.216	.48116	.49997	24.625
#2	24.383	.50601	24.067	.47954	.50050	24.643
#3	24.469	.50774	24.609	.48018	.50327	24.567
#4	24.280	.50767	24.095	.48110	.50360	24.345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50705	.51045	.25953	1.0635	1.0004	.99529
Stddev	.00061	.00398	.00043	.0046	.0177	.00454
%RSD	.12000	.77946	.16741	.43738	1.7732	.45631

#1	.50660	.51544	.25929	1.0586	1.0252	.99113
#2	.50716	.50934	.25921	1.0633	.99935	.99161
#3	.50787	.50589	.25945	1.0698	.98392	.99967
#4	.50657	.51115	.26016	1.0623	.99306	.99874

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-408543/2-A Acquired: 8/15/2022 8:08:00 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48440	.49576	1.0230	.48054	.25057
Stddev	.00517	.00053	.0032	.00169	.00054
%RSD	1.0675	.10714	.31267	.35215	.21712

#1	.48192	.49522	1.0246	.48140	.25098
#2	.49164	.49645	1.0190	.47998	.24988
#3	.47975	.49587	1.0222	.48233	.25040
#4	.48430	.49550	1.0264	.47845	.25103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1416.0	2605.2	43926.	4172.2
Stddev	1.2	4.1	106.	31.0
%RSD	.08456	.15797	.24114	.74205

#1	1416.8	2610.5	44042.	4155.4
#2	1416.5	2605.8	43785.	4210.2
#3	1416.6	2600.6	43935.	4140.1
#4	1414.3	2604.1	43943.	4183.1

Sample Name: LB 180-408025/1-F Acquired: 8/15/2022 8:12:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00407	.00100	.01648	.00015	.00003
Stddev	.00023	.00993	.00162	.00061	.00009	.00007
%RSD	202.18	244.30	162.61	3.7073	64.728	206.54

#1	-.00011	-.00383	.00289	.01687	.00026	.00005
#2	-.00004	.01437	.00054	.01604	.00007	-.00007
#3	.00038	-.00503	-.00096	.01587	.00018	.00009
#4	.00022	.01076	.00151	.01712	.00007	.00006

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08064	-.00001	.00061	-.00016	-.00105	-.00010
Stddev	.00277	.00015	.00013	.00039	.00033	.00271
%RSD	3.4362	1670.4	21.082	240.61	31.342	2832.9

#1	.08076	-.00007	.00054	-.00015	-.00097	-.00298
#2	.07842	-.00019	.00047	.00036	-.00102	-.00166
#3	.07887	.00015	.00069	-.00030	-.00071	.00128
#4	.08451	.00008	.00074	-.00055	-.00150	.00298

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Sample Name: LB 180-408025/1-F Acquired: 8/15/2022 8:12:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14061	.00242	.01881	.00010	.00018	137.29
Stddev	.02919	.00039	.03322	.00005	.00030	.50
%RSD	20.758	16.270	176.58	45.659	164.03	.36553

#1	.11226	.00230	-.02957	.00006	.00055	137.83
#2	.12067	.00216	.04601	.00016	.00030	136.71
#3	.17444	.00223	.02784	.00007	-.00012	137.55
#4	.15508	.00301	.03097	.00013	.00000	137.06

Check ?	None	None	None	None	None	None
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00056	-.00057	.00367	.01636	.00087
Stddev	.00050	.00279	.00159	.00252	.00531	.00052
%RSD	113.76	501.84	279.31	68.645	32.432	59.909

#1	.00035	-.00165	.00073	.00096	.01476	.00121
#2	.00060	.00091	-.00015	.00581	.01297	.00073
#3	-.00019	.00437	.00003	.00583	.01347	.00133
#4	.00102	-.00141	-.00288	.00210	.02424	.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
High Limit						
Low Limit						

Sample Name: LB 180-408025/1-F Acquired: 8/15/2022 8:12:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00486	.00031	.00015	-.00168	.00162
Stddev	.00579	.00012	.00089	.00200	.00014
%RSD	119.11	38.865	612.09	119.09	8.3714

#1	.00221	.00022	.00042	-.00014	.00146
#2	.00982	.00020	.00097	-.00212	.00158
#3	.00945	.00045	-.00112	-.00432	.00163
#4	-.00205	.00037	.00031	-.00013	.00179

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	1388.1	2568.0	42337.	4114.1
Stddev	1.5	2.9	53.	11.9
%RSD	.11001	.11221	.12566	.28812

#1	1386.7	2567.2	42263.	4101.1
#2	1388.9	2566.0	42338.	4126.0
#3	1389.9	2572.2	42383.	4122.1
#4	1387.0	2566.4	42366.	4107.3

Sample Name: CCV 4962953 Acquired: 8/15/2022 8:18:22 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0221	24.727	.51051	2.0495	1.9668	1.9600
Stddev	.0014	.124	.00323	.0092	.0038	.0037
%RSD	.13285	.50315	.63206	.44668	.19169	.18843

#1	1.0208	24.682	.51391	2.0581	1.9673	1.9605
#2	1.0233	24.663	.50613	2.0550	1.9651	1.9630
#3	1.0210	24.913	.51088	2.0476	1.9718	1.9617
#4	1.0232	24.650	.51113	2.0375	1.9630	1.9546

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	49.962	.50030	2.0674	1.9129	2.0225	24.724
Stddev	.174	.00137	.0032	.0043	.0039	.078
%RSD	.34833	.27406	.15261	.22523	.19202	.31500

#1	49.869	.50204	2.0690	1.9146	2.0249	24.628
#2	49.913	.50047	2.0654	1.9177	2.0175	24.755
#3	50.220	.49998	2.0710	1.9076	2.0261	24.811
#4	49.847	.49873	2.0643	1.9115	2.0214	24.701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 8:18:22 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	119.81	2.0194	48.420	1.9341	1.9665	120.34
Stddev	.34	.0024	.181	.0033	.0054	.30
%RSD	.28020	.11707	.37461	.17017	.27631	.24547

#1	119.98	2.0215	48.260	1.9324	1.9707	120.62
#2	120.19	2.0166	48.678	1.9365	1.9717	120.43
#3	119.62	2.0212	48.340	1.9303	1.9610	120.38
#4	119.46	2.0183	48.402	1.9372	1.9628	119.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0504	.50871	.49942	.50973	1.9330	1.9048
Stddev	.0033	.00284	.00491	.00288	.0309	.0036
%RSD	.15985	.55831	.98356	.56423	1.5983	.19110

#1	2.0505	.50942	.50286	.51280	1.9010	1.9051
#2	2.0490	.51045	.50222	.51068	1.9233	1.9088
#3	2.0549	.50452	.50040	.50949	1.9330	1.9054
#4	2.0472	.51046	.49222	.50594	1.9748	1.9000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 8:18:22 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9135	1.9592	.98913	1.9728	1.9458
Stddev	.0114	.0007	.00181	.0133	.0043
%RSD	.59716	.03537	.18250	.67587	.22049

#1	1.9054	1.9589	.98897	1.9539	1.9468
#2	1.9063	1.9602	.99054	1.9799	1.9419
#3	1.9300	1.9591	.99037	1.9840	1.9514
#4	1.9124	1.9586	.98664	1.9733	1.9431

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	1297.2	2544.3	41591.	4031.4
Stddev	.7	5.1	84.	22.2
%RSD	.05749	.19964	.20285	.54950

#1	1296.9	2538.4	41553.	4009.6
#2	1296.9	2542.6	41518.	4039.5
#3	1296.7	2545.5	41712.	4017.8
#4	1298.3	2550.5	41581.	4058.7

Sample Name: CCB2 Acquired: 8/15/2022 8:23:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00874	-.00081	.00284	.00026	-.00003
Stddev	.00032	.01998	.00196	.00019	.00023	.00010
%RSD	4232.5	228.58	244.00	6.7322	88.643	305.12

#1	-.00023	.02146	.00008	.00289	.00042	.00004
#2	.00034	.02719	.00145	.00304	.00043	-.00017
#3	-.00029	-.01708	-.00177	.00283	.00024	-.00005
#4	.00021	.00340	-.00299	.00258	-.00006	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00321	.00002	-.00014	-.00048	-.00019	-.00287
Stddev	.00158	.00007	.00015	.00022	.00034	.00341
%RSD	49.310	361.46	109.19	45.197	179.78	118.95

#1	-.00360	.00001	.00003	-.00068	-.00054	-.00464
#2	-.00492	.00001	-.00008	-.00024	.00010	.00053
#3	-.00322	-.00006	-.00033	-.00035	.00010	-.00061
#4	-.00110	.00011	-.00018	-.00063	-.00042	-.00676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 8/15/2022 8:23:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07331	.00146	.00893	-.00000	.00085	.02069
Stddev	.02597	.00104	.01901	.00003	.00034	.00221
%RSD	35.423	71.185	212.82	3445.6	40.578	10.703

#1	.08482	.00065	-.00780	.00005	.00059	.01809
#2	.05818	.00078	.02455	-.00001	.00133	.02031
#3	.10388	.00147	-.00725	-.00002	.00087	.02348
#4	.04635	.00291	.02623	-.00002	.00060	.02088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00104	.00012	-.00018	.00155	.00029
Stddev	.00009	.00091	.00222	.00027	.01026	.00052
%RSD	175.90	87.113	1916.7	151.31	663.70	180.93

#1	.00004	.00160	.00115	-.00038	.00089	-.00001
#2	-.00011	-.00028	-.00036	-.00038	-.00973	-.00012
#3	.00001	.00117	.00242	.00018	.01516	.00104
#4	-.00013	.00168	-.00274	-.00013	-.00014	.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB2 Acquired: 8/15/2022 8:23:21 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00630	.00013	-.00024	-.00327	-.00034
Stddev	.00108	.00018	.00061	.00443	.00019
%RSD	17.216	139.85	254.14	135.56	56.132

#1	.00546	-.00007	.00029	-.00910	-.00057
#2	.00658	.00037	-.00087	-.00433	-.00015
#3	.00771	.00014	.00028	.00033	-.00039
#4	.00543	.00007	-.00066	.00002	-.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1535.6	2674.6	44680.	4096.4
Stddev	3.5	1.5	64.	22.5
%RSD	.22530	.05525	.14248	.54963

#1	1530.8	2674.2	44633.	4107.6
#2	1536.0	2674.7	44620.	4098.3
#3	1539.0	2672.9	44750.	4115.3
#4	1536.8	2676.5	44719.	4064.2

Sample Name: 180-142246-A-1-C Acquired: 8/15/2022 8:28:46 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 {74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.02424	.00242	.06355	.36961	.00005
Stddev	.00018	.01431	.00150	.00017	.00120	.00018
%RSD	253.04	59.025	62.098	.27180	.32369	349.44

#1	-.00012	.03575	.00190	.06373	.36842	-.00005
#2	-.00020	.01405	.00132	.06343	.37034	-.00011
#3	-.00016	.03731	.00464	.06337	.37089	.00008
#4	.00019	.00985	.00182	.06366	.36877	.00029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.961	.00133	.00306	-.00037	-.00107	3.1788
Stddev	.064	.00006	.00032	.00033	.00022	.0137
%RSD	.40226	4.8789	10.366	88.691	20.991	.43021

#1	16.034	.00136	.00319	.00011	-.00119	3.1685
#2	15.886	.00124	.00332	-.00060	-.00130	3.1657
#3	15.935	.00133	.00312	-.00058	-.00078	3.1890
#4	15.988	.00139	.00260	-.00041	-.00101	3.1921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142246-A-1-C Acquired: 8/15/2022 8:28:46 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2779	.00868	1.7143	.32306	.00034	119.70
Stddev	.0248	.00055	.0355	.00056	.00018	.39
%RSD	1.9420	6.2858	2.0685	.17249	51.075	.32458

#1	1.2841	.00809	1.7083	.32259	.00019	119.34
#2	1.2412	.00931	1.6667	.32258	.00059	119.42
#3	1.2932	.00839	1.7380	.32341	.00035	119.91
#4	1.2931	.00892	1.7444	.32366	.00024	120.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01342	F 2.7268	-.00137	-.00072	.84931	.00050
Stddev	.00038	.0097	.00130	.00265	.01547	.00034
%RSD	2.8173	.35701	94.765	369.53	1.8217	67.512

#1	.01315	2.7408	-.00177	-.00427	.84737	.00078
#2	.01341	2.7228	-.00209	-.00117	.82817	.00007
#3	.01317	2.7250	-.00219	.00166	.86003	.00076
#4	.01396	2.7186	.00056	.00090	.86165	.00040

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		1.0000				
Low Limit		-.01000				

Sample Name: 180-142246-A-1-C Acquired: 8/15/2022 8:28:46 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.08087	.00027	.00045	-.00298	.99337
Stddev	.00597	.00011	.00146	.00318	.00547
%RSD	7.3807	39.580	324.42	106.66	.55076

#1	.08016	.00029	.00081	-.00258	1.0008
#2	.08179	.00023	-.00156	-.00736	.99416
#3	.07350	.00016	.00194	.00025	.98920
#4	.08802	.00041	.00061	-.00224	.98932

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1393.7	2594.7	42847.	4171.7
Stddev	2.3	7.9	132.	40.4
%RSD	.16205	.30538	.30868	.96757

#1	1391.4	2582.9	43026.	4127.7
#2	1392.5	2597.2	42853.	4213.1
#3	1396.5	2599.5	42714.	4198.0
#4	1394.6	2599.2	42795.	4148.3

Sample Name: 180-142593-B-1-L Acquired: 8/15/2022 8:34:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00986	.00045	.13122	.01758	-.00005
Stddev	.00050	.02148	.00046	.00076	.00018	.00007
%RSD	1705.3	217.81	103.19	.57562	1.0404	145.47

#1	.00019	.01106	.00089	.13045	.01757	.00006
#2	-.00022	.03982	.00064	.13099	.01780	-.00010
#3	.00054	-.00568	.00044	.13225	.01735	-.00007
#4	-.00062	-.00575	-.00019	.13118	.01761	-.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	5.1334	.00000	.00072	-.00043	.00130	.01945
Stddev	.0180	.00017	.00036	.00046	.00087	.00264
%RSD	.35144	20268.	50.578	105.63	66.451	13.568

#1	5.1345	.00018	.00066	-.00024	.00241	.02187
#2	5.1507	.00010	.00072	-.00009	.00049	.02158
#3	5.1083	-.00017	.00030	-.00110	.00075	.01695
#4	5.1401	-.00010	.00118	-.00029	.00155	.01739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-L Acquired: 8/15/2022 8:34:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54325	.00345	1.6970	.22564	.00037	143.45
Stddev	.01422	.00087	.0587	.00041	.00013	.57
%RSD	2.6183	25.256	3.4614	.18206	35.533	.40018

#1	.52900	.00374	1.7523	.22593	.00037	143.62
#2	.53852	.00371	1.7035	.22603	.00025	143.49
#3	.54271	.00218	1.7178	.22537	.00030	144.02
#4	.56278	.00418	1.6144	.22520	.00055	142.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00180	.00016	.00221	.16909	.00077
Stddev	.00045	.00098	.00262	.00312	.00433	.00057
%RSD	67.680	54.698	1617.3	140.79	2.5604	74.704

#1	.00036	.00310	.00004	.00561	.16894	.00127
#2	.00104	.00104	.00270	.00324	.16306	.00018
#3	.00107	.00201	.00133	.00184	.17278	.00037
#4	.00020	.00103	-.00341	-.00184	.17158	.00126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-L Acquired: 8/15/2022 8:34:03 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02193	.00034	.00044	-.00395	.00987
Stddev	.00409	.00007	.00091	.00158	.00015
%RSD	18.629	20.642	206.20	40.090	1.5137

#1	.02733	.00026	.00063	-.00630	.00989
#2	.01755	.00043	-.00074	-.00339	.00986
#3	.02222	.00034	.00040	-.00293	.01005
#4	.02063	.00032	.00148	-.00316	.00968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1390.2	2582.3	42613.	4113.9
Stddev	1.2	3.6	161.	12.2
%RSD	.08953	.13858	.37759	.29760

#1	1388.5	2579.0	42738.	4104.8
#2	1390.4	2579.7	42512.	4119.2
#3	1390.3	2584.2	42762.	4103.0
#4	1391.5	2586.5	42441.	4128.8

Sample Name: 180-142593-B-1-LSD@5 Acquired: 8/15/2022 8:39:24 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00307	-.00313	.02478	.00355	.00011
Stddev	.00045	.02842	.00142	.00025	.00020	.00009
%RSD	153.53	925.91	45.368	1.0251	5.5207	82.992

#1	.00089	.03095	-.00348	.02478	.00327	.00007
#2	-.00016	-.02856	-.00205	.02463	.00372	.00020
#3	.00010	.00968	-.00199	.02457	.00354	.00000
#4	.00034	-.02435	-.00499	.02514	.00365	.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	1.0191	.00004	-.00008	-.00044	.00037	.00128
Stddev	.0032	.00015	.00011	.00044	.00059	.00314
%RSD	.31627	353.04	139.94	100.93	159.23	245.29

#1	1.0178	.00014	-.00009	-.00062	.00034	.00476
#2	1.0179	.00005	.00005	-.00005	.00120	.00207
#3	1.0169	.00014	-.00007	-.00097	-.00016	-.00282
#4	1.0239	-.00017	-.00023	-.00010	.00010	.00111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-LSD@5 Acquired: 8/15/2022 8:39:24 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17693	.00128	.35359	.04459	.00045	27.390
Stddev	.02617	.00032	.02582	.00025	.00026	.087
%RSD	14.794	25.032	7.3031	.57072	59.047	.31641

#1	.16655	.00154	.31570	.04447	.00036	27.338
#2	.15128	.00110	.36438	.04487	.00014	27.504
#3	.17705	.00091	.37350	.04430	.00077	27.409
#4	.21284	.00155	.36078	.04472	.00051	27.310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00182	-.00200	.00398	.03705	.00058
Stddev	.00031	.00097	.00141	.00125	.00780	.00078
%RSD	320.16	53.487	70.310	31.302	21.052	134.98

#1	.00034	.00302	-.00019	.00470	.04583	.00080
#2	-.00035	.00078	-.00316	.00432	.03889	-.00010
#3	.00021	.00212	-.00158	.00214	.03652	.00002
#4	.00018	.00135	-.00308	.00477	.02696	.00158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-LSD@5 Acquired: 8/15/2022 8:39:24 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00576	.00023	.00148	-.00609	.00288
Stddev	.00449	.00018	.00101	.00079	.00007
%RSD	77.916	78.495	67.877	12.932	2.4856

#1	.00038	.00009	.00233	-.00559	.00298
#2	.00423	.00023	.00088	-.00674	.00287
#3	.00758	.00049	.00234	-.00525	.00286
#4	.01086	.00013	.00038	-.00679	.00281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1482.6	2648.7	43806.	4115.2
Stddev	4.6	4.6	199.	30.6
%RSD	.30732	.17243	.45443	.74379

#1	1480.4	2651.1	43825.	4135.3
#2	1477.6	2642.4	43567.	4142.7
#3	1484.1	2652.8	44052.	4107.7
#4	1488.1	2648.6	43780.	4075.2

Sample Name: 180-142593-B-1-M MS Acquired: 8/15/2022 8:44:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09107	-.00270	.51981	.11219	F 4.6218	-.00001
Stddev	.00050	.01711	.00182	.00091	.0086	.00008
%RSD	.55389	633.88	.35097	.80761	.18664	563.38

#1	.09092	-.02744	.51747	.11210	4.6308	.00010
#2	.09048	.00794	.52021	.11282	4.6106	-.00003
#3	.09168	-.00083	.51968	.11095	4.6255	-.00010
#4	.09121	.00953	.52189	.11291	4.6202	-.00002

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6284	.09692	-.00037	.46120	-.00060	.01127
Stddev	.0191	.00012	.00044	.00153	.00137	.00396
%RSD	.41183	.12270	120.22	.33241	229.35	35.156

#1	4.6169	.09696	-.00009	.46097	-.00198	.01441
#2	4.6257	.09683	-.00060	.46159	.00060	.01332
#3	4.6561	.09681	.00009	.46296	-.00156	.01178
#4	4.6150	.09706	-.00086	.45927	.00056	.00555

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-M MS Acquired: 8/15/2022 8:44:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45676	.00333	1.5812	.21393	.00015	129.35
Stddev	.01396	.00039	.0306	.00071	.00012	.96
%RSD	3.0554	11.821	1.9363	.33347	77.686	.74496

#1	.46872	.00390	1.5429	.21347	.00002	129.72
#2	.44379	.00299	1.5824	.21432	.00017	128.85
#3	.44559	.00326	1.6178	.21474	.00011	130.51
#4	.46893	.00318	1.5817	.21322	.00030	128.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.47095	-.00031	.10561	.14607	.00051
Stddev	.00036	.00106	.00085	.00153	.01483	.00045
%RSD	47.080	.22575	277.60	1.4490	10.156	87.403

#1	.00130	.47243	-.00091	.10594	.16494	-.00016
#2	.00073	.47098	-.00110	.10609	.14738	.00069
#3	.00051	.47006	.00009	.10343	.14301	.00079
#4	.00055	.47031	.00070	.10699	.12895	.00072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-M MS Acquired: 8/15/2022 8:44:48 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01680	.00023	.00030	-.00653	.00534
Stddev	.00768	.00011	.00083	.00240	.00023
%RSD	45.707	50.385	279.01	36.778	4.3819

#1	.02477	.00016	.00148	-.00523	.00501
#2	.02140	.00033	.00025	-.00397	.00553
#3	.00796	.00032	-.00015	-.00936	.00548
#4	.01306	.00010	-.00039	-.00756	.00535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1395.2	2582.6	42681.	4122.0
Stddev	1.8	2.4	277.	28.7
%RSD	.12833	.09140	.64802	.69580

#1	1394.8	2585.4	42692.	4148.3
#2	1393.1	2581.0	42698.	4130.3
#3	1395.5	2583.6	42328.	4081.2
#4	1397.4	2580.3	43004.	4128.3

Sample Name: 180-142593-B-1-N MSD Acquired: 8/15/2022 8:50:06 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08224	.00161	.50562	.11002	F 4.5680	-.00002
Stddev	.00013	.02210	.00180	.00096	.0206	.00009
%RSD	.16379	1370.6	.35503	.87540	.45003	495.56

#1	.08212	-.02209	.50631	.11142	4.5405	.00000
#2	.08242	.02772	.50593	.10926	4.5646	.00010
#3	.08217	-.01006	.50718	.10985	4.5798	-.00007
#4	.08224	.01088	.50304	.10954	4.5870	-.00010

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	4.6296	.09551	-.00013	.45549	-.00053	.00761
Stddev	.0107	.00038	.00030	.00192	.00047	.00136
%RSD	.23127	.39446	236.86	.42152	88.632	17.882

#1	4.6337	.09558	-.00050	.45779	-.00089	.00629
#2	4.6428	.09569	-.00022	.45443	-.00041	.00814
#3	4.6213	.09581	.00003	.45627	.00009	.00928
#4	4.6204	.09497	.00018	.45348	-.00089	.00674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-N MSD Acquired: 8/15/2022 8:50:06 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47845	.00443	1.5264	.21359	.00036	129.73
Stddev	.03193	.00077	.0476	.00039	.00007	.68
%RSD	6.6740	17.278	3.1202	.18301	19.773	.52412

#1	.50222	.00461	1.5773	.21363	.00030	128.88
#2	.45807	.00367	1.4715	.21379	.00037	129.50
#3	.50895	.00403	1.5530	.21391	.00031	130.17
#4	.44456	.00542	1.5040	.21303	.00045	130.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.46541	.00005	.10421	.13612	.00064
Stddev	.00070	.00226	.00117	.00397	.00635	.00022
%RSD	116.32	.48546	2313.5	3.8093	4.6643	34.733

#1	.00150	.46823	.00011	.10088	.13940	.00044
#2	.00078	.46298	.00130	.10497	.12661	.00096
#3	.00022	.46604	.00032	.10951	.13964	.00059
#4	-.00009	.46438	-.00153	.10146	.13884	.00058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-N MSD Acquired: 8/15/2022 8:50:06 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01586	.00033	.00220	-.00465	.00513
Stddev	.00622	.00026	.00116	.00317	.00022
%RSD	39.230	79.437	52.893	68.339	4.3561

#1	.01647	.00012	.00346	-.00770	.00489
#2	.02268	.00019	.00064	-.00467	.00511
#3	.01669	.00028	.00236	-.00595	.00507
#4	.00758	.00070	.00234	-.00026	.00543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1394.0	2583.5	42687.	4109.8
Stddev	2.2	2.1	53.	14.5
%RSD	.15817	.07992	.12373	.35328

#1	1390.7	2580.6	42760.	4092.7
#2	1395.4	2583.2	42685.	4118.0
#3	1394.8	2584.7	42635.	4103.6
#4	1395.0	2585.3	42666.	4125.0

Sample Name: 180-142593-B-1-O MS Acquired: 8/15/2022 8:55:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04595	.94142	.19003	.36653	.18512	.08872
Stddev	.00040	.01585	.00166	.00079	.00044	.00033
%RSD	.87934	1.6834	.87205	.21446	.23984	.37497

#1	.04586	.92086	.19178	.36691	.18564	.08887
#2	.04637	.95694	.18849	.36645	.18514	.08877
#3	.04613	.95015	.18874	.36547	.18455	.08825
#4	.04543	.93771	.19110	.36728	.18514	.08901

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.1649	.08999	.08852	.08569	.08624	.94233
Stddev	.0245	.00022	.00037	.00033	.00087	.00535
%RSD	.26720	.24153	.41733	.38408	1.0059	.56759

#1	9.1510	.09025	.08892	.08558	.08663	.94407
#2	9.1375	.08987	.08831	.08587	.08494	.93452
#3	9.1857	.08976	.08872	.08529	.08677	.94667
#4	9.1854	.09007	.08811	.08604	.08660	.94405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-O MS Acquired: 8/15/2022 8:55:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9331	.09316	5.9986	.29201	.08782	130.81
Stddev	.0384	.00133	.0539	.00057	.00016	.56
%RSD	.77833	1.4244	.89812	.19504	.17736	.42488

#1	4.9389	.09406	6.0117	.29121	.08787	131.15
#2	4.9285	.09363	6.0226	.29205	.08759	130.49
#3	4.8857	.09378	5.9198	.29253	.08793	130.21
#4	4.9792	.09119	6.0404	.29225	.08790	131.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08875	.08970	.04829	.19191	.33401	.17326
Stddev	.00034	.00047	.00098	.00299	.01172	.00107
%RSD	.38708	.52122	2.0224	1.5584	3.5089	.61954

#1	.08862	.08926	.04956	.19046	.34494	.17404
#2	.08922	.09032	.04813	.18845	.32597	.17168
#3	.08874	.08944	.04830	.19376	.34315	.17377
#4	.08841	.08979	.04718	.19497	.32199	.17356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-O MS Acquired: 8/15/2022 8:55:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10227	.08772	.17351	.08012	.05224
Stddev	.00181	.00024	.00214	.00238	.00020
%RSD	1.7674	.27735	1.2359	2.9713	.39241

#1	.09959	.08784	.17443	.07881	.05220
#2	.10283	.08736	.17148	.08368	.05201
#3	.10314	.08787	.17203	.07919	.05224
#4	.10352	.08781	.17609	.07881	.05251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1391.2	2595.0	42713.	4097.4
Stddev	3.5	2.6	55.	18.3
%RSD	.25257	.10047	.12769	.44723

#1	1387.7	2593.6	42787.	4107.1
#2	1392.7	2598.7	42722.	4111.3
#3	1388.9	2592.8	42671.	4100.5
#4	1395.4	2595.0	42673.	4070.7

Sample Name: 180-142593-B-1-P MSD Acquired: 8/15/2022 9:00:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04484	.89839	.19051	.35499	.18975	.09115
Stddev	.00024	.01102	.00374	.00051	.00076	.00030
%RSD	.53563	1.2262	1.9656	.14286	.39930	.33258

#1	.04472	.88319	.18712	.35442	.18937	.09091
#2	.04479	.90810	.19554	.35471	.18924	.09144
#3	.04519	.89770	.19107	.35537	.18950	.09087
#4	.04464	.90456	.18829	.35546	.19087	.09139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.9608	.09235	.09078	.08732	.08904	.90291
Stddev	.0069	.00033	.00017	.00051	.00083	.00578
%RSD	.07658	.35241	.18519	.58045	.93580	.63997

#1	8.9666	.09263	.09087	.08724	.08949	.90252
#2	8.9664	.09234	.09088	.08762	.08780	.90721
#3	8.9526	.09189	.09053	.08664	.08928	.89488
#4	8.9577	.09253	.09083	.08778	.08957	.90702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-P MSD Acquired: 8/15/2022 9:00:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8302	.09460	5.8305	.29619	.09044	131.61
Stddev	.0507	.00067	.0384	.00042	.00054	.49
%RSD	1.0493	.71217	.65945	.14177	.59965	.37035

#1	4.8493	.09551	5.7963	.29596	.08984	131.28
#2	4.8477	.09405	5.7991	.29581	.09027	131.99
#3	4.7555	.09413	5.8548	.29623	.09050	131.11
#4	4.8684	.09472	5.8717	.29676	.09114	132.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09167	.09037	.04641	.19001	.35090	.17773
Stddev	.00031	.00083	.00120	.00140	.00950	.00150
%RSD	.33476	.91547	2.5954	.73738	2.7063	.84266

#1	.09140	.09099	.04625	.19105	.35135	.17651
#2	.09172	.08963	.04535	.19129	.33815	.17984
#3	.09149	.08968	.04590	.18838	.35306	.17684
#4	.09209	.09117	.04813	.18930	.36105	.17774

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-P MSD Acquired: 8/15/2022 9:00:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10224	.08998	.17745	.07679	.05233
Stddev	.00660	.00036	.00148	.00403	.00017
%RSD	6.4562	.39975	.83175	5.2430	.33260

#1	.10335	.08945	.17722	.07895	.05252
#2	.10877	.09006	.17590	.08013	.05214
#3	.09305	.09026	.17945	.07702	.05223
#4	.10378	.09014	.17723	.07107	.05243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1383.9	2576.1	42689.	4118.8
Stddev	.2	1.9	235.	14.1
%RSD	.01525	.07417	.55088	.34314

#1	1383.9	2573.4	42401.	4109.5
#2	1383.9	2576.5	42826.	4106.1
#3	1383.7	2577.8	42927.	4122.2
#4	1384.2	2576.7	42602.	4137.2

Sample Name: 180-142593-B-1-L PDS Acquired: 8/15/2022 9:05:54 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26204	5.0874	F 1.0833	1.5069	1.0000	.51224
Stddev	.00069	.0102	.0044	.0039	.0038	.00221
%RSD	.26332	.19968	.40710	.26121	.38213	.43080

#1	.26211	5.0838	1.0895	1.5065	1.0048	.51467
#2	.26285	5.0804	1.0813	1.5091	1.0011	.51352
#3	.26116	5.1025	1.0829	1.5104	.99593	.51014
#4	.26203	5.0830	1.0793	1.5015	.99825	.51061

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	30.426	.51792	.51791	.49110	.50508	5.0603
Stddev	.122	.00070	.00100	.00207	.00235	.0437
%RSD	.39944	.13607	.19314	.42051	.46545	.86347

#1	30.598	.51795	.51857	.49197	.50631	5.1048
#2	30.317	.51887	.51706	.48817	.50778	5.0907
#3	30.373	.51769	.51897	.49133	.50322	5.0259
#4	30.418	.51719	.51706	.49295	.50300	5.0198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142593-B-1-L PDS Acquired: 8/15/2022 9:05:54 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.293	.51728	26.275	.70165	.49936	167.23
Stddev	.110	.00160	.056	.00203	.00134	1.04
%RSD	.43373	.30925	.21286	.28991	.26750	.62440

#1	25.372	.51729	26.358	.70137	.50022	168.21
#2	25.386	.51939	26.256	.69888	.50064	167.83
#3	25.150	.51551	26.247	.70315	.49888	165.85
#4	25.265	.51694	26.239	.70320	.49770	167.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51924	.51632	.25949	F 1.0729	1.1761	.98207
Stddev	.00051	.00254	.00331	.0056	.0180	.00157
%RSD	.09875	.49125	1.2740	.51683	1.5308	.16014

#1	.51864	.51518	.25830	1.0688	1.1844	.98002
#2	.51902	.51357	.26000	1.0746	1.1545	.98351
#3	.51951	.51706	.26375	1.0800	1.1959	.98305
#4	.51979	.51946	.25589	1.0682	1.1695	.98168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.0000		
Low Limit				-.01000		

Sample Name: 180-142593-B-1-L PDS Acquired: 8/15/2022 9:05:54 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49875	.50026	1.0100	.48839	.26512
Stddev	.00607	.00105	.0033	.00515	.00104
%RSD	1.2162	.20939	.33002	1.0552	.39352

#1	.50438	.50061	1.0065	.49216	.26656
#2	.49224	.49878	1.0139	.48992	.26411
#3	.50344	.50123	1.0114	.48079	.26509
#4	.49496	.50043	1.0081	.49069	.26470

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1342.3	2571.1	42538.	4108.6
Stddev	.9	1.6	124.	23.1
%RSD	.06659	.06140	.29149	.56134

#1	1341.5	2570.0	42494.	4082.6
#2	1343.4	2570.0	42406.	4102.1
#3	1342.6	2570.9	42701.	4138.0
#4	1341.7	2573.4	42553.	4111.9

Sample Name: 180-142512-E-1-G Acquired: 8/15/2022 9:10:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00026	.02655	.00110	.01334	.05163	.00002
Stddev	.00026	.01389	.00134	.00015	.00022	.00003
%RSD	97.959	52.313	120.98	1.1150	.42707	193.19

#1	-.00049	.00982	.00275	.01318	.05173	-.00001
#2	-.00011	.03710	.00164	.01329	.05185	-.00000
#3	-.00047	.02047	-.00003	.01336	.05134	.00006
#4	.00002	.03883	.00006	.01354	.05159	.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	34.656	.00009	.00160	-.00013	-.00054	.20964
Stddev	.059	.00017	.00004	.00044	.00050	.00368
%RSD	.16931	200.69	2.1942	346.97	92.445	1.7572

#1	34.650	.00012	.00162	-.00067	-.00016	.21411
#2	34.721	.00032	.00160	.00029	-.00031	.20988
#3	34.580	-.00008	.00155	-.00030	-.00042	.20948
#4	34.673	-.00001	.00162	.00017	-.00128	.20510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142512-E-1-G Acquired: 8/15/2022 9:10:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.68512	.00642	1.2230	.33060	.00150	149.96
Stddev	.05456	.00129	.0369	.00096	.00014	.93
%RSD	7.9639	20.118	3.0137	.28932	9.0278	.61978

#1	.74692	.00729	1.2283	.33185	.00165	151.34
#2	.62329	.00770	1.2616	.33085	.00152	149.43
#3	.71051	.00494	1.2294	.32976	.00150	149.67
#4	.65976	.00577	1.1728	.32994	.00132	149.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00406	.01901	.00018	.00225	1.6633	.00014
Stddev	.00033	.00227	.00118	.00255	.0309	.00044
%RSD	8.1808	11.929	653.86	113.44	1.8569	315.34

#1	.00404	.02106	-.00029	-.00146	1.7064	.00021
#2	.00440	.01907	.00053	.00412	1.6644	-.00016
#3	.00362	.01584	.00163	.00264	1.6386	-.00023
#4	.00419	.02009	-.00114	.00371	1.6436	.00072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142512-E-1-G Acquired: 8/15/2022 9:10:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10088	.00015	.00033	-.00429	.10837
Stddev	.00791	.00010	.00098	.00123	.00030
%RSD	7.8394	70.630	298.23	28.686	.28144

#1	.10019	.00010	-.00013	-.00364	.10826
#2	.09286	.00022	-.00032	-.00306	.10860
#3	.11175	.00025	-.00003	-.00587	.10864
#4	.09871	.00003	.00178	-.00458	.10799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1370.8	2568.0	42544.	4074.4
Stddev	.9	2.1	217.	5.7
%RSD	.06689	.08276	.50969	.13961

#1	1371.8	2570.0	42556.	4076.7
#2	1369.8	2565.9	42268.	4080.7
#3	1371.2	2569.6	42798.	4067.3
#4	1370.3	2566.5	42554.	4073.1

Sample Name: 180-142519-A-1-C Acquired: 8/15/2022 9:16:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.01621	.00409	.04249	.00170	.00000
Stddev	.00010	.01078	.00124	.00036	.00025	.00009
%RSD	85.627	66.495	30.168	.85180	14.666	3321.7

#1	.00012	.02515	.00575	.04275	.00137	.00009
#2	.00017	.02116	.00432	.04201	.00197	-.00003
#3	.00021	.01787	.00308	.04242	.00175	.00006
#4	-.00002	.00067	.00322	.04279	.00174	-.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	4.0082	-.00005	.00064	-.00110	-.00096	.00601
Stddev	.0068	.00014	.00036	.00034	.00070	.00316
%RSD	.16886	273.44	56.583	31.324	72.400	52.583

#1	4.0010	-.00015	.00099	-.00141	-.00092	.01073
#2	4.0165	-.00006	.00076	-.00138	-.00106	.00487
#3	4.0105	-.00016	.00013	-.00082	-.00008	.00400
#4	4.0047	.00015	.00069	-.00078	-.00178	.00446

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-1-C Acquired: 8/15/2022 9:16:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44736	.00425	35.314	.06411	.00039	148.97
Stddev	.03148	.00067	.107	.00023	.00023	.34
%RSD	7.0367	15.674	.30271	.35809	57.475	.23063

#1	.48875	.00414	35.294	.06404	.00033	148.64
#2	.41809	.00366	35.351	.06433	.00049	149.37
#3	.45412	.00521	35.179	.06382	.00064	149.15
#4	.42846	.00401	35.433	.06426	.00011	148.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00394	.00938	.00232	.28293	.00121
Stddev	.00040	.00042	.00088	.00260	.00554	.00032
%RSD	94.613	10.623	9.3360	111.80	1.9589	26.516

#1	-.00011	.00442	.01002	.00010	.27470	.00092
#2	.00035	.00414	.01024	.00150	.28610	.00166
#3	.00081	.00374	.00874	.00161	.28455	.00107
#4	.00064	.00348	.00852	.00608	.28636	.00118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-1-C Acquired: 8/15/2022 9:16:14 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02558	.00032	.00083	-.00587	.01543
Stddev	.00449	.00012	.00127	.00310	.00028
%RSD	17.562	36.903	153.30	52.761	1.8184

#1	.02889	.00042	.00128	-.00858	.01529
#2	.01898	.00042	.00143	-.00176	.01520
#3	.02777	.00026	.00168	-.00791	.01583
#4	.02670	.00018	-.00106	-.00524	.01542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1365.0	2559.2	42301.	4126.2
Stddev	1.4	4.3	149.	15.9
%RSD	.10443	.16611	.35229	.38505

#1	1364.8	2564.3	42335.	4136.3
#2	1364.0	2556.3	42281.	4104.0
#3	1364.1	2561.0	42475.	4125.7
#4	1367.1	2555.2	42114.	4138.9

Sample Name: CCV 4962953 Acquired: 8/15/2022 9:21:36 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0111	24.753	.50660	2.0414	1.9623	1.9813
Stddev	.0014	.082	.00166	.0014	.0032	.0060
%RSD	.14244	.32931	.32753	.06861	.16129	.30125

#1	1.0127	24.674	.50792	2.0408	1.9596	1.9726
#2	1.0113	24.838	.50814	2.0411	1.9599	1.9825
#3	1.0092	24.806	.50496	2.0401	1.9663	1.9856
#4	1.0110	24.693	.50539	2.0434	1.9634	1.9846

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	49.993	.50180	2.0558	1.9370	1.9894	25.068
Stddev	.121	.00081	.0074	.0066	.0057	.079
%RSD	.24145	.16096	.36046	.33876	.28835	.31532

#1	49.917	.50060	2.0558	1.9279	1.9961	24.960
#2	50.173	.50220	2.0657	1.9388	1.9912	25.144
#3	49.940	.50206	2.0478	1.9380	1.9825	25.063
#4	49.942	.50234	2.0541	1.9435	1.9876	25.104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 9:21:36 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	121.89	2.0108	49.010	1.9283	1.9747	122.88
Stddev	.65	.0068	.142	.0034	.0024	.75
%RSD	.53692	.33703	.28894	.17456	.12070	.61314

#1	120.94	2.0070	48.799	1.9235	1.9736	121.94
#2	122.25	2.0037	49.094	1.9303	1.9719	123.11
#3	122.37	2.0189	49.060	1.9284	1.9772	123.74
#4	121.99	2.0136	49.087	1.9309	1.9760	122.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0394	.50693	.49440	.50695	1.9659	1.9079
Stddev	.0038	.00341	.00426	.00237	.0277	.0020
%RSD	.18668	.67172	.86066	.46720	1.4070	.10403

#1	2.0398	.50455	.49044	.50821	1.9387	1.9097
#2	2.0446	.50991	.49250	.50625	1.9461	1.9056
#3	2.0358	.50346	.49435	.50397	1.9845	1.9068
#4	2.0374	.50979	.50032	.50938	1.9945	1.9094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 9:21:36 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9419	1.9635	.99134	1.9665	1.9624
Stddev	.0119	.0042	.00182	.0081	.0030
%RSD	.61325	.21258	.18404	.41412	.15229

#1	1.9350	1.9574	.99098	1.9630	1.9593
#2	1.9514	1.9667	.99156	1.9785	1.9620
#3	1.9526	1.9652	.98919	1.9604	1.9618
#4	1.9287	1.9648	.99361	1.9642	1.9664

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	1304.1	2547.2	41768.	3992.6
Stddev	4.4	3.7	155.	19.4
%RSD	.33428	.14484	.37008	.48617

#1	1301.2	2543.3	41721.	4012.7
#2	1300.5	2549.6	41835.	3966.2
#3	1310.1	2551.0	41937.	3993.3
#4	1304.6	2544.8	41577.	3998.0

Sample Name: CCB3 Acquired: 8/15/2022 9:26:34 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00454	-.00133	.00227	.00012	-.00006
Stddev	.00033	.02520	.00191	.00035	.00022	.00005
%RSD	377.81	554.61	143.36	15.287	180.64	72.113

#1	.00014	-.01931	-.00183	.00268	.00031	-.00007
#2	.00012	.00303	-.00013	.00220	-.00018	-.00003
#3	-.00057	-.00527	-.00379	.00184	.00009	-.00012
#4	-.00004	.03972	.00044	.00235	.00027	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00133	.00003	.00001	-.00037	.00039	-.00219
Stddev	.00105	.00004	.00012	.00043	.00017	.00371
%RSD	79.165	125.59	887.57	114.43	42.466	169.21

#1	-.00007	.00005	-.00008	-.00030	.00029	-.00659
#2	-.00262	.00009	.00019	-.00076	.00046	.00172
#3	-.00143	.00001	-.00003	-.00063	.00059	-.00015
#4	-.00118	-.00001	-.00002	.00020	.00022	-.00376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 8/15/2022 9:26:34 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08458	.00241	.02008	-.00004	.00079	.05672
Stddev	.04217	.00076	.00871	.00005	.00013	.00144
%RSD	49.854	31.370	43.393	119.02	15.949	2.5440

#1	.10165	.00315	.03223	-.00009	.00097	.05767
#2	.05402	.00286	.01833	.00002	.00068	.05466
#3	.13614	.00145	.01824	-.00004	.00077	.05777
#4	.04650	.00219	.01150	-.00006	.00073	.05679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00042	.00031	.00216	-.00499	.00016
Stddev	.00041	.00142	.00135	.00134	.01252	.00066
%RSD	140.44	341.62	429.16	62.017	251.18	418.59

#1	-.00008	-.00079	.00216	.00167	.00896	.00107
#2	.00009	.00234	.00022	.00396	.00199	.00018
#3	-.00085	.00063	-.00108	.00078	-.01751	-.00014
#4	-.00032	-.00051	-.00004	.00223	-.01338	-.00047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB3 Acquired: 8/15/2022 9:26:34 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00029	-.00062	-.00192	-.00050
Stddev	.00704	.00021	.00099	.00245	.00016
%RSD	1744.6	69.836	159.88	127.99	30.980

#1	.00392	.00024	-.00037	.00108	-.00044
#2	.00315	.00044	-.00038	-.00386	-.00074
#3	.00466	.00047	.00030	-.00090	-.00041
#4	-.01011	.00003	-.00203	-.00398	-.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	1534.0	2672.5	44782.	4056.4
Stddev	.4	3.2	256.	12.8
%RSD	.02569	.11853	.57094	.31436

#1	1533.8	2668.9	44497.	4065.8
#2	1534.0	2670.9	44648.	4053.5
#3	1534.6	2674.2	44926.	4039.5
#4	1533.7	2676.0	45058.	4066.6

Sample Name: 180-142519-A-2-C Acquired: 8/15/2022 9:31:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.01085	.04454	.05792	.00772	-.00001
Stddev	.00035	.01620	.00279	.00064	.00018	.00007
%RSD	142.11	149.31	6.2733	1.1102	2.3667	515.29

#1	.00030	-.00710	.04136	.05793	.00780	.00004
#2	.00056	.00139	.04359	.05876	.00757	.00004
#3	-.00025	.02432	.04522	.05782	.00794	-.00005
#4	.00036	.02480	.04799	.05719	.00756	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.4149	-.00004	.00113	-.00014	-.00082	.00499
Stddev	.0189	.00013	.00030	.00019	.00053	.00290
%RSD	.42746	286.59	26.687	131.21	65.189	58.069

#1	4.4009	.00004	.00139	.00010	-.00121	.00784
#2	4.4065	-.00017	.00134	-.00009	-.00041	.00606
#3	4.4095	-.00013	.00073	-.00032	-.00134	.00507
#4	4.4427	.00009	.00107	-.00025	-.00032	.00100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-2-C Acquired: 8/15/2022 9:31:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38097	.00277	24.356	.10012	.00020	132.98
Stddev	.02074	.00089	.088	.00037	.00019	.34
%RSD	5.4433	32.266	.35948	.37311	99.036	.25311

#1	.36480	.00283	24.262	.10017	.00009	132.72
#2	.38162	.00187	24.311	.10063	-.00000	133.31
#3	.36743	.00239	24.392	.09986	.00026	132.67
#4	.41004	.00397	24.461	.09982	.00043	133.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.49567	.09792	.00306	.25447	.00036
Stddev	.00043	.00237	.00143	.00209	.00471	.00052
%RSD	48.824	.47851	1.4581	68.397	1.8511	143.71

#1	.00098	.49880	.09880	.00100	.25524	.00062
#2	.00043	.49618	.09880	.00235	.26072	-.00013
#3	.00142	.49354	.09828	.00596	.24990	.00097
#4	.00067	.49415	.09581	.00294	.25201	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-2-C Acquired: 8/15/2022 9:31:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02621	.00035	.00009	-.00392	.00312
Stddev	.00277	.00009	.00115	.00155	.00016
%RSD	10.586	26.170	1269.6	39.467	4.9639

#1	.02764	.00038	.00094	-.00223	.00321
#2	.02846	.00046	.00009	-.00316	.00314
#3	.02650	.00027	.00086	-.00574	.00290
#4	.02222	.00028	-.00153	-.00458	.00324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1383.5	2579.4	42542.	4063.6
Stddev	1.9	2.8	153.	27.0
%RSD	.13657	.10985	.36070	.66552

#1	1382.8	2579.1	42642.	4095.6
#2	1385.5	2579.6	42364.	4061.6
#3	1384.5	2582.9	42468.	4067.5
#4	1381.2	2576.0	42695.	4029.7

Sample Name: 180-142519-A-3-C Acquired: 8/15/2022 9:37:19 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00288	.01933	.02466	.00030	-.00004
Stddev	.00042	.00896	.00158	.00054	.00020	.00009
%RSD	1199.2	311.62	8.1655	2.1696	67.677	246.44

#1	.00036	-.00017	.02003	.02517	.00010	.00002
#2	.00042	-.00008	.01717	.02483	.00039	-.00003
#3	-.00042	.00464	.01925	.02474	.00017	-.00016
#4	-.00022	-.01589	.02085	.02391	.00054	.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	4.1021	-.00005	.00094	-.00025	.00001	.00327
Stddev	.0146	.00016	.00030	.00037	.00046	.00088
%RSD	.35517	303.04	31.777	146.88	7118.2	26.857

#1	4.0883	.00016	.00079	.00019	-.00048	.00404
#2	4.1015	-.00018	.00061	-.00025	.00063	.00338
#3	4.0961	-.00002	.00127	-.00072	-.00005	.00363
#4	4.1223	-.00018	.00110	-.00022	-.00007	.00201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-3-C Acquired: 8/15/2022 9:37:19 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1512	.00445	40.186	.06771	.00092	139.37
Stddev	.0159	.00035	.125	.00032	.00025	.81
%RSD	1.3824	7.9129	.30988	.47415	27.349	.58430

#1	1.1290	.00425	40.143	.06731	.00115	139.67
#2	1.1670	.00472	40.367	.06770	.00100	140.30
#3	1.1543	.00405	40.152	.06775	.00097	139.13
#4	1.1543	.00477	40.082	.06809	.00056	138.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00335	.04207	.00277	.44831	.00056
Stddev	.00033	.00265	.00101	.00232	.02232	.00024
%RSD	43.817	79.039	2.3973	83.574	4.9780	43.804

#1	.00043	.00558	.04170	.00499	.46759	.00038
#2	.00073	.00056	.04185	.00197	.41653	.00085
#3	.00064	.00566	.04353	.00424	.45041	.00033
#4	.00121	.00162	.04122	-.00012	.45870	.00066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142519-A-3-C Acquired: 8/15/2022 9:37:19 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00895	.00024	.00060	-.00251	.00068
Stddev	.00871	.00029	.00110	.00237	.00018
%RSD	97.403	122.38	181.66	94.450	25.837

#1	-.00138	.00033	.00207	.00096	.00072
#2	.00758	-.00007	.00083	-.00292	.00086
#3	.00974	.00009	-.00020	-.00398	.00044
#4	.01984	.00059	-.00028	-.00410	.00070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1368.6	2563.6	42156.	4062.9
Stddev	4.7	3.9	143.	7.7
%RSD	.34262	.15149	.34021	.18959

#1	1365.2	2561.7	42232.	4066.5
#2	1369.6	2563.7	42305.	4071.5
#3	1374.8	2569.0	42106.	4053.8
#4	1364.8	2560.1	41980.	4059.8

Sample Name: 180-142240-A-1-B Acquired: 8/15/2022 9:42:39 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.01169	.00210	.05692	.03607	.00003
Stddev	.00047	.01117	.00271	.00088	.00032	.00006
%RSD	176.32	95.532	128.58	1.5401	.88546	211.18

#1	-.00073	.01129	.00351	.05766	.03628	-.00002
#2	.00020	-.00371	.00401	.05722	.03564	.00008
#3	-.00061	.02204	.00279	.05565	.03600	.00007
#4	.00007	.01715	-.00188	.05714	.03635	-.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	63.776	.00012	.00146	-.00089	-.00041	.00129
Stddev	.350	.00004	.00005	.00053	.00073	.00307
%RSD	.54811	38.992	3.1449	59.926	176.29	238.43

#1	63.326	.00010	.00140	-.00120	-.00068	.00528
#2	63.679	.00018	.00146	-.00058	-.00128	.00038
#3	64.000	.00008	.00148	-.00147	-.00010	.00158
#4	64.099	.00010	.00151	-.00031	.00041	-.00209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142240-A-1-B Acquired: 8/15/2022 9:42:39 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54942	.00499	5.3180	.70139	.00107	151.89
Stddev	.01821	.00088	.0435	.00146	.00027	1.05
%RSD	3.3136	17.738	.81733	.20796	25.407	.69353

#1	.56723	.00599	5.2757	.69990	.00126	150.95
#2	.55066	.00465	5.2855	.70334	.00103	151.93
#3	.52418	.00395	5.3517	.70152	.00129	151.34
#4	.55562	.00537	5.3591	.70080	.00070	153.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00254	.00287	.00099	.00342	2.8225	.00143
Stddev	.00063	.00168	.00089	.00237	.0186	.00061
%RSD	24.741	58.772	89.770	69.251	.65762	42.776

#1	.00239	.00082	-.00016	.00078	2.7968	.00169
#2	.00237	.00263	.00162	.00609	2.8225	.00059
#3	.00343	.00492	.00176	.00458	2.8310	.00142
#4	.00195	.00309	.00073	.00223	2.8398	.00201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142240-A-1-B Acquired: 8/15/2022 9:42:39 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.09397	.00027	.00177	-.00279	.00246
Stddev	.00697	.00006	.00210	.00311	.00024
%RSD	7.4190	23.988	118.75	111.43	9.7911

#1	.09006	.00033	.00388	.00068	.00259
#2	.09698	.00021	.00213	-.00151	.00273
#3	.08665	.00021	.00218	-.00659	.00221
#4	.10220	.00031	-.00113	-.00375	.00232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1349.8	2543.9	41952.	4054.0
Stddev	3.7	6.6	114.	36.6
%RSD	.27489	.25940	.27063	.90242

#1	1345.8	2540.6	41917.	4102.3
#2	1347.8	2540.3	41835.	4061.3
#3	1354.1	2553.8	41950.	4032.2
#4	1351.6	2541.0	42106.	4020.0

Sample Name: 180-142268-A-1-K Acquired: 8/15/2022 9:47:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	.00751	.00045	.04722	.08816	-.00002
Stddev	.00048	.02975	.00225	.00057	.00041	.00004
%RSD	147.11	396.31	499.98	1.2173	.46943	165.56

#1	.00029	.02200	-.00081	.04737	.08777	-.00002
#2	-.00039	-.03539	.00376	.04715	.08867	.00002
#3	-.00087	.03175	-.00111	.04649	.08788	-.00007
#4	-.00033	.01167	-.00003	.04787	.08830	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	66.304	.00030	.00152	-.00005	.00340	.00417
Stddev	.198	.00016	.00037	.00051	.00056	.00322
%RSD	.29841	55.250	24.259	1100.6	16.437	77.278

#1	66.201	.00046	.00178	.00023	.00358	.00207
#2	66.578	.00029	.00111	.00045	.00303	.00306
#3	66.310	.00007	.00130	-.00014	.00411	.00258
#4	66.126	.00035	.00187	-.00072	.00288	.00896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-1-K Acquired: 8/15/2022 9:47:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.81511	.00568	8.5778	.09520	.00073	142.42
Stddev	.02208	.00114	.0613	.00037	.00021	.80
%RSD	2.7091	20.139	.71515	.38637	29.168	.56110

#1	.80353	.00507	8.5630	.09470	.00075	143.11
#2	.84393	.00624	8.6660	.09543	.00060	143.09
#3	.79327	.00699	8.5585	.09552	.00101	141.55
#4	.81971	.00444	8.5238	.09514	.00054	141.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00353	.01487	.00551	.00388	.76047	.00000
Stddev	.00049	.00398	.00106	.00211	.00480	.00155
%RSD	13.845	26.791	19.172	54.405	.63144	83871.

#1	.00355	.01773	.00474	.00587	.75588	-.00083
#2	.00345	.01740	.00639	.00268	.76093	.00171
#3	.00416	.01521	.00447	.00543	.75811	.00083
#4	.00297	.00914	.00646	.00152	.76697	-.00171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-1-K Acquired: 8/15/2022 9:47:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25678	.00013	.00023	-.00376	.04077
Stddev	.00965	.00021	.00113	.00296	.00024
%RSD	3.7564	159.95	482.13	78.793	.57741

#1	.25644	.00016	.00154	-.00732	.04094
#2	.25729	-.00017	.00079	-.00507	.04079
#3	.26849	.00033	-.00050	-.00126	.04043
#4	.24488	.00021	-.00089	-.00138	.04092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1349.7	2538.4	41947.	4014.5
Stddev	7.6	10.4	181.	22.8
%RSD	.56474	.41050	.43190	.56847

#1	1350.7	2534.2	42177.	4004.1
#2	1354.7	2549.8	41956.	3987.5
#3	1354.8	2543.5	41736.	4036.5
#4	1338.7	2526.0	41920.	4030.0

Sample Name: 180-142268-A-2-I Acquired: 8/15/2022 9:53:20 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.02461	.00196	.02982	.08764	.00001
Stddev	.00039	.01408	.00250	.00046	.00020	.00006
%RSD	776.26	57.185	127.65	1.5481	.22275	541.90

#1	-.00055	.01222	.00047	.03032	.08758	.00001
#2	-.00002	.02273	.00450	.02960	.08773	-.00003
#3	.00040	.01880	.00363	.02929	.08739	.00009
#4	-.00003	.04470	-.00075	.03007	.08785	-.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	76.596	.00063	.00405	-.00072	.00560	.00545
Stddev	.074	.00031	.00010	.00078	.00048	.00147
%RSD	.09669	49.495	2.4370	108.58	8.5446	26.963

#1	76.581	.00091	.00403	-.00070	.00569	.00617
#2	76.585	.00021	.00394	-.00137	.00493	.00344
#3	76.521	.00081	.00403	-.00118	.00573	.00683
#4	76.699	.00059	.00418	.00037	.00606	.00534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-2-I Acquired: 8/15/2022 9:53:20 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95112	.00555	3.9318	.14453	.00080	147.30
Stddev	.03169	.00086	.0211	.00019	.00005	.94
%RSD	3.3317	15.427	.53571	.13080	6.1430	.63675

#1	.93729	.00565	3.9316	.14477	.00083	145.98
#2	.98048	.00639	3.9617	.14456	.00082	148.17
#3	.91303	.00581	3.9163	.14444	.00073	147.37
#4	.97368	.00436	3.9177	.14433	.00083	147.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00641	.01924	.00255	.00057	1.1612	.00146
Stddev	.00033	.00223	.00306	.00073	.0121	.00134
%RSD	5.1618	11.567	119.92	129.49	1.0383	91.812

#1	.00596	.02105	.00425	.00017	1.1439	.00079
#2	.00638	.01701	-.00078	-.00013	1.1633	.00035
#3	.00670	.01765	.00590	.00069	1.1658	.00337
#4	.00661	.02126	.00084	.00154	1.1717	.00131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-2-I Acquired: 8/15/2022 9:53:20 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25103	.00028	-.00002	-.00196	1.1780
Stddev	.00794	.00016	.00135	.00299	.0019
%RSD	3.1612	58.392	6964.8	152.33	.16174

#1	.24154	.00016	.00080	-.00565	1.1794
#2	.24788	.00028	.00108	-.00315	1.1784
#3	.25948	.00017	-.00191	.00052	1.1790
#4	.25522	.00051	-.00006	.00042	1.1752

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1343.5	2534.6	41642.	4013.1
Stddev	3.3	2.8	85.	8.7
%RSD	.24586	.10914	.20328	.21641

#1	1344.9	2535.7	41573.	4016.2
#2	1339.2	2533.9	41645.	4015.5
#3	1342.9	2531.2	41760.	4020.2
#4	1347.0	2537.7	41589.	4000.4

Sample Name: 180-142268-A-3-I Acquired: 8/15/2022 9:58:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.02283	.00044	.02659	.07613	.00001
Stddev	.00023	.01395	.00207	.00086	.00027	.00004
%RSD	375.94	61.099	474.78	3.2301	.34948	308.74

#1	.00024	.00311	.00330	.02612	.07580	-.00001
#2	-.00001	.03369	-.00117	.02780	.07620	-.00003
#3	-.00028	.02292	.00058	.02586	.07610	.00003
#4	-.00019	.03162	-.00098	.02659	.07644	.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	62.319	.00059	.00171	.00036	.00889	.01332
Stddev	.182	.00005	.00022	.00061	.00078	.00433
%RSD	.29188	7.6596	12.997	170.82	8.7904	32.531

#1	62.408	.00052	.00141	.00043	.00861	.00970
#2	62.118	.00061	.00189	.00102	.00791	.01222
#3	62.524	.00060	.00169	-.00046	.00951	.01175
#4	62.225	.00062	.00187	.00044	.00953	.01961

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-3-I Acquired: 8/15/2022 9:58:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.85849	.00623	3.5609	.07902	.00072	124.56
Stddev	.01970	.00098	.0161	.00008	.00015	.28
%RSD	2.2945	15.741	.45245	.10448	20.310	.22653

#1	.86105	.00580	3.5755	.07896	.00059	124.49
#2	.83255	.00676	3.5531	.07909	.00070	124.65
#3	.88046	.00729	3.5421	.07909	.00067	124.88
#4	.85991	.00509	3.5731	.07894	.00093	124.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00531	.01609	.00815	.00245	.64221	.00129
Stddev	.00036	.00248	.00152	.00195	.00823	.00010
%RSD	6.7875	15.401	18.692	79.826	1.2817	7.9040

#1	.00517	.01696	.01043	.00265	.64393	.00125
#2	.00584	.01308	.00756	.00068	.65109	.00139
#3	.00508	.01893	.00732	.00511	.64264	.00134
#4	.00513	.01537	.00731	.00136	.63119	.00116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142268-A-3-I Acquired: 8/15/2022 9:58:38 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22672	.00031	.00121	-.00332	.26648
Stddev	.00700	.00012	.00307	.00272	.00364
%RSD	3.0863	38.888	252.44	81.780	1.3655

#1	.22156	.00049	.00064	-.00541	.26640
#2	.23284	.00028	.00516	-.00446	.27133
#3	.21982	.00027	.00135	.00067	.26254
#4	.23265	.00022	-.00229	-.00410	.26566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1364.3	2547.0	42178.	4023.4
Stddev	15.9	26.0	103.	16.2
%RSD	1.1681	1.0221	.24411	.40295

#1	1366.5	2550.7	42205.	4025.7
#2	1342.5	2511.2	42272.	4034.0
#3	1380.7	2573.6	42031.	3999.8
#4	1367.6	2552.4	42204.	4034.0

Sample Name: 180-142292-C-1-I Acquired: 8/15/2022 10:03:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.03343	.00325	.01378	.14121	-.00004
Stddev	.00017	.01671	.00089	.00038	.00073	.00009
%RSD	162.82	49.990	27.285	2.7340	.51982	243.30

#1	-.00001	.05374	.00261	.01366	.14036	.00008
#2	-.00021	.01853	.00441	.01421	.14210	-.00012
#3	.00008	.02102	.00250	.01391	.14096	-.00000
#4	-.00028	.04045	.00347	.01333	.14144	-.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	17.703	.00345	.00203	-.00017	.00832	.02318
Stddev	.060	.00010	.00024	.00034	.00038	.00278
%RSD	.34012	2.9891	11.599	194.46	4.5782	12.013

#1	17.630	.00347	.00213	.00027	.00837	.02005
#2	17.697	.00357	.00176	-.00055	.00779	.02181
#3	17.708	.00343	.00230	-.00019	.00868	.02458
#4	17.777	.00332	.00194	-.00023	.00845	.02628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142292-C-1-I Acquired: 8/15/2022 10:03:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.62065	.00536	.95411	.21620	.00022	113.70
Stddev	.02544	.00172	.03423	.00041	.00031	.72
%RSD	4.0985	31.977	3.5873	.19042	137.91	.63695

#1	.58502	.00292	.93540	.21599	.00003	112.66
#2	.63723	.00663	.93518	.21678	.00068	114.33
#3	.61979	.00542	1.0053	.21619	.00004	113.94
#4	.64054	.00648	.94055	.21585	.00014	113.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00266	.03159	.00222	.00260	.48455	.00144
Stddev	.00089	.00146	.00196	.00062	.02232	.00067
%RSD	33.410	4.6070	88.475	24.046	4.6054	46.533

#1	.00387	.02992	.00374	.00328	.49738	.00154
#2	.00183	.03181	.00376	.00244	.50552	.00071
#3	.00221	.03120	-.00035	.00182	.48024	.00231
#4	.00273	.03343	.00171	.00284	.45504	.00121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142292-C-1-I Acquired: 8/15/2022 10:03:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11041	.00022	.00058	-.00440	.14081
Stddev	.01540	.00011	.00166	.00436	.00027
%RSD	13.944	49.761	288.00	99.207	.18866

#1	.09858	.00032	-.00109	-.00895	.14042
#2	.09699	.00010	.00063	-.00162	.14085
#3	.12906	.00015	-.00006	-.00718	.14099
#4	.11700	.00030	.00283	.00017	.14098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1385.5	2575.9	42269.	4058.9
Stddev	1.3	1.9	200.	44.8
%RSD	.09517	.07399	.47285	1.1031

#1	1387.3	2573.8	42484.	4121.3
#2	1384.3	2577.4	42005.	4055.9
#3	1385.3	2577.7	42258.	4042.4
#4	1384.9	2575.0	42330.	4016.1

Sample Name: 180-142246-A-1-C@5 Acquired: 8/15/2022 10:09:17 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	.01249	-.00082	.01171	.07326	-.00002
Stddev	.00028	.00655	.00155	.00055	.00023	.00011
%RSD	150.62	52.416	187.61	4.7238	.30864	707.77

#1	-.00002	.01886	-.00270	.01132	.07342	-.00012
#2	-.00059	.00385	.00058	.01136	.07347	.00001
#3	-.00003	.01131	-.00149	.01251	.07298	-.00008
#4	-.00009	.01595	.00030	.01164	.07317	.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	3.2038	.00029	.00077	-.00051	-.00076	.63964
Stddev	.0123	.00015	.00031	.00031	.00037	.00830
%RSD	.38339	53.899	40.511	61.381	48.452	1.2973

#1	3.2102	.00041	.00080	-.00030	-.00023	.63280
#2	3.1971	.00013	.00077	-.00023	-.00107	.64997
#3	3.2175	.00018	.00114	-.00059	-.00081	.64274
#4	3.1904	.00043	.00038	-.00091	-.00093	.63305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142246-A-1-C@5 Acquired: 8/15/2022 10:09:17 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29899	.00394	.34539	.06459	.00014	23.443
Stddev	.02806	.00097	.02360	.00025	.00007	.124
%RSD	9.3844	24.671	6.8331	.38211	50.374	.52774

#1	.27045	.00482	.33973	.06453	.00018	23.320
#2	.29533	.00287	.38010	.06445	.00005	23.488
#3	.33763	.00336	.33340	.06443	.00011	23.595
#4	.29256	.00470	.32834	.06496	.00020	23.367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00273	.52001	.00016	.00120	.17480	.00047
Stddev	.00026	.00289	.00226	.00136	.01246	.00048
%RSD	9.4075	.55650	1430.9	113.34	7.1278	101.92

#1	.00242	.51911	-.00084	.00161	.16787	.00061
#2	.00301	.51770	-.00031	-.00082	.16093	-.00022
#3	.00286	.52424	.00345	.00193	.18729	.00062
#4	.00266	.51897	-.00166	.00206	.18312	.00088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142246-A-1-C@5 Acquired: 8/15/2022 10:09:17 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02454	.00024	-.00127	-.00239	.19723
Stddev	.00402	.00012	.00112	.00313	.00069
%RSD	16.388	50.250	88.229	130.61	.35214

#1	.02017	.00031	.00029	-.00226	.19703
#2	.02753	.00015	-.00187	-.00685	.19668
#3	.02836	.00013	-.00126	.00008	.19825
#4	.02211	.00038	-.00226	-.00055	.19698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1478.8	2641.9	43808.	4082.1
Stddev	1.2	5.8	297.	32.2
%RSD	.07938	.21823	.67843	.78793

#1	1477.7	2641.7	43810.	4068.0
#2	1478.3	2637.1	44124.	4060.4
#3	1479.0	2638.8	43888.	4070.0
#4	1480.4	2650.1	43410.	4129.9

Sample Name: 180-141733-D-1-B Acquired: 8/15/2022 10:14:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.11556	.05850	.16399	.20757	-.00013
Stddev	.00035	.03201	.00158	.00117	.00101	.00006
%RSD	130.67	27.702	2.7057	.71376	.48829	48.484

#1	.00019	.15370	.06026	.16284	.20651	-.00009
#2	-.00063	.12977	.05937	.16380	.20690	-.00011
#3	-.00040	.09425	.05687	.16562	.20849	-.00023
#4	-.00023	.08452	.05750	.16368	.20839	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.658	.00143	.00418	.00763	.10158	15.454
Stddev	.027	.00019	.00054	.00071	.00048	.070
%RSD	.17502	12.976	13.002	9.3557	.47741	.45045

#1	15.655	.00131	.00393	.00707	.10090	15.388
#2	15.629	.00138	.00499	.00866	.10181	15.407
#3	15.695	.00131	.00397	.00749	.10202	15.540
#4	15.652	.00170	.00383	.00728	.10158	15.479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141733-D-1-B Acquired: 8/15/2022 10:14:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8250	.04181	6.5288	.68445	.02788	133.35
Stddev	.0202	.00036	.0887	.00109	.00019	.79
%RSD	1.1083	.87157	1.3589	.15941	.69772	.59308

#1	1.8234	.04218	6.4337	.68293	.02760	132.22
#2	1.8526	.04169	6.4822	.68448	.02797	133.39
#3	1.8200	.04136	6.6341	.68545	.02802	133.95
#4	1.8040	.04202	6.5651	.68494	.02794	133.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09545	.04868	.00351	.00519	2.6676	.02933
Stddev	.00103	.00313	.00185	.00171	.0215	.00113
%RSD	1.0822	6.4320	52.762	32.954	.80550	3.8663

#1	.09673	.05234	.00222	.00494	2.6441	.03044
#2	.09581	.04532	.00360	.00426	2.6611	.03010
#3	.09481	.05005	.00213	.00390	2.6956	.02803
#4	.09444	.04699	.00611	.00768	2.6697	.02875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141733-D-1-B Acquired: 8/15/2022 10:14:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03909	.00754	-.00059	-.00545	.47417
Stddev	.00980	.00031	.00095	.00220	.00155
%RSD	25.080	4.0834	161.96	40.279	.32656

#1	.04639	.00770	-.00120	-.00818	.47496
#2	.02463	.00714	-.00144	-.00426	.47530
#3	.04242	.00785	.00068	-.00320	.47452
#4	.04293	.00745	-.00040	-.00618	.47190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1402.4	2604.6	42633.	4004.9
Stddev	3.4	3.8	173.	10.4
%RSD	.24376	.14483	.40590	.25973

#1	1397.6	2607.3	42795.	4011.7
#2	1402.2	2602.4	42768.	4008.0
#3	1404.6	2600.5	42456.	4010.5
#4	1405.1	2608.3	42514.	3989.5

Sample Name: 180-141750-D-1-A@5 Acquired: 8/15/2022 10:19:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00029	.00305	.03444	.79487	.00478	-.00003
Stddev	.00041	.01498	.00129	.00219	.00014	.00011
%RSD	142.17	491.85	3.7444	.27598	2.8414	360.39

#1	-.00056	.02288	.03349	.79327	.00485	-.00006
#2	-.00060	-.00007	.03364	.79524	.00477	.00011
#3	.00030	.00275	.03629	.79315	.00491	-.00003
#4	-.00031	-.01338	.03433	.79784	.00460	-.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	3.8292	-.00011	.00042	.00577	-.00217	54.876
Stddev	.0230	.00006	.00030	.00058	.00052	.162
%RSD	.60046	57.180	69.781	10.114	24.078	.29439

#1	3.8310	-.00005	-.00001	.00646	-.00150	54.864
#2	3.8319	-.00018	.00065	.00552	-.00206	54.735
#3	3.8549	-.00014	.00050	.00598	-.00271	55.105
#4	3.7989	-.00006	.00056	.00511	-.00241	54.799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141750-D-1-A@5 Acquired: 8/15/2022 10:19:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1188	.10719	.38067	.78485	.00069	66.902
Stddev	.0379	.00089	.03089	.00383	.00021	.260
%RSD	3.3848	.83295	8.1144	.48834	30.783	.38799

#1	1.0822	.10715	.37315	.78432	.00052	66.893
#2	1.1682	.10844	.36758	.78987	.00050	66.746
#3	1.1271	.10637	.35618	.78467	.00087	67.271
#4	1.0975	.10678	.42578	.78055	.00089	66.698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10171	.00446	.00265	.03128	3.6732	.00760
Stddev	.00087	.00128	.00190	.00172	.0132	.00045
%RSD	.85919	28.797	71.725	5.4942	.35794	5.9727

#1	.10256	.00454	.00258	.03322	3.6648	.00727
#2	.10055	.00617	.00280	.03217	3.6894	.00781
#3	.10158	.00312	.00029	.02947	3.6780	.00718
#4	.10216	.00400	.00494	.03026	3.6605	.00814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-141750-D-1-A@5 Acquired: 8/15/2022 10:19:52 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01913	.00100	-.01474	-.00324	.16311
Stddev	.00229	.00035	.00095	.00338	.00042
%RSD	11.984	34.846	6.4642	104.41	.26055

#1	.01949	.00090	-.01563	-.00329	.16300
#2	.02214	.00141	-.01437	.00080	.16286
#3	.01812	.00058	-.01540	-.00747	.16284
#4	.01677	.00113	-.01357	-.00300	.16374

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1457.9	2544.3	42725.	4026.9
Stddev	3.1	3.0	187.	38.0
%RSD	.21153	.11611	.43655	.94305

#1	1455.4	2540.4	42808.	4009.1
#2	1462.3	2547.1	42464.	4045.2
#3	1456.2	2543.6	42895.	3983.9
#4	1457.7	2546.0	42734.	4069.6

Sample Name: CCV 4962953 Acquired: 8/15/2022 10:25:11 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0222	24.726	.51441	2.0666	1.9659	1.9746
Stddev	.0027	.058	.00337	.0049	.0030	.0079
%RSD	.26620	.23303	.65564	.23768	.15171	.40100

#1	1.0234	24.673	.51383	2.0607	1.9634	1.9811
#2	1.0213	24.682	.51479	2.0727	1.9645	1.9655
#3	1.0252	24.786	.51041	2.0672	1.9702	1.9815
#4	1.0189	24.766	.51861	2.0659	1.9654	1.9705

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	49.847	.50414	2.0742	1.9244	2.0254	24.936
Stddev	.082	.00101	.0016	.0089	.0094	.105
%RSD	.16438	.19938	.07561	.46414	.46486	.42142

#1	49.969	.50522	2.0744	1.9342	2.0212	24.965
#2	49.810	.50468	2.0751	1.9287	2.0257	24.871
#3	49.818	.50370	2.0719	1.9210	2.0383	25.071
#4	49.791	.50297	2.0753	1.9137	2.0164	24.837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 10:25:11 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	121.18	2.0293	48.778	1.9312	1.9833	121.90
Stddev	.69	.0047	.156	.0072	.0023	.65
%RSD	.56857	.23125	.31996	.37099	.11591	.53412

#1	121.64	2.0296	48.715	1.9397	1.9807	122.34
#2	120.52	2.0353	48.838	1.9314	1.9839	121.50
#3	121.90	2.0239	48.960	1.9315	1.9861	122.56
#4	120.68	2.0282	48.598	1.9222	1.9824	121.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0528	.50678	.50427	.51685	1.9445	1.9181
Stddev	.0024	.00384	.00268	.00310	.0149	.0038
%RSD	.11425	.75757	.53243	.59887	.76365	.19856

#1	2.0512	.50162	.50607	.51378	1.9456	1.9137
#2	2.0525	.50700	.50136	.51881	1.9330	1.9175
#3	2.0511	.51090	.50699	.52013	1.9651	1.9229
#4	2.0561	.50759	.50268	.51468	1.9344	1.9185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 10:25:11 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9098	1.9646	.99354	1.9784	1.9617
Stddev	.0063	.0027	.00331	.0118	.0023
%RSD	.32965	.13935	.33325	.59507	.11504

#1	1.9140	1.9678	.98894	1.9779	1.9608
#2	1.9047	1.9636	.99635	1.9745	1.9628
#3	1.9163	1.9656	.99549	1.9947	1.9591
#4	1.9041	1.9614	.99338	1.9667	1.9642

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	1294.0	2530.7	41559.	4035.7
Stddev	.9	1.7	298.	20.5
%RSD	.06798	.06578	.71811	.50864

#1	1293.7	2528.7	41388.	4008.3
#2	1295.2	2530.8	41746.	4046.8
#3	1294.1	2530.5	41233.	4055.2
#4	1293.1	2532.8	41870.	4032.6

Sample Name: CCB4 Acquired: 8/15/2022 10:30:09 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00038	.01881	-.00332	.00199	.00009	-.00004
Stddev	.00028	.01620	.00154	.00072	.00012	.00017
%RSD	73.732	86.136	46.331	36.450	129.49	458.14

#1	-.00017	-.00070	-.00523	.00237	.00006	.00011
#2	-.00074	.01977	-.00155	.00265	-.00004	-.00003
#3	-.00047	.01727	-.00285	.00099	.00024	-.00027
#4	-.00014	.03890	-.00367	.00193	.00010	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.00002	.00002	-.00069	-.00027	-.00189
Stddev	.00337	.00009	.00026	.00044	.00040	.00329
%RSD	1331.1	359.83	1081.4	63.446	145.60	173.93

#1	.00003	.00001	-.00036	-.00090	.00012	-.00633
#2	-.00093	-.00005	.00020	-.00120	-.00009	-.00191
#3	.00403	.00015	.00012	-.00041	-.00080	-.00085
#4	-.00414	-.00001	.00012	-.00025	-.00032	.00153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 8/15/2022 10:30:09 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10552	.00251	-.01358	-.00001	.00077	.05759
Stddev	.03887	.00155	.02033	.00004	.00018	.00422
%RSD	36.838	61.767	149.73	375.29	23.000	7.3331

#1	.15502	.00405	-.03919	-.00006	.00097	.06147
#2	.06980	.00269	-.01957	.00003	.00055	.06005
#3	.07977	.00295	.00715	-.00002	.00081	.05194
#4	.11749	.00036	-.00269	.00001	.00074	.05689

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	-.00055	.00202	.00297	-.00480	.00106
Stddev	.00019	.00041	.00175	.00412	.00629	.00025
%RSD	76.943	74.710	86.591	138.46	130.99	23.417

#1	-.00032	-.00093	.00321	.00853	-.00107	.00090
#2	-.00045	-.00086	.00376	-.00098	-.00200	.00095
#3	-.00017	-.00030	.00100	.00342	-.00192	.00143
#4	-.00002	-.00011	.00010	.00092	-.01422	.00098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB4 Acquired: 8/15/2022 10:30:09 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00711	.00019	.00060	-.00488	-.00035
Stddev	.00634	.00023	.00097	.00285	.00007
%RSD	89.259	122.23	162.93	58.273	21.552

#1	.00872	.00050	.00151	-.00421	-.00028
#2	.00471	-.00004	.00112	-.00165	-.00037
#3	.01499	.00022	-.00071	-.00853	-.00030
#4	.00002	.00008	.00046	-.00515	-.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	1528.7	2675.2	44596.	4092.9
Stddev	2.6	1.5	109.	16.1
%RSD	.17031	.05490	.24530	.39312

#1	1529.1	2676.6	44731.	4088.9
#2	1525.6	2673.4	44489.	4113.2
#3	1528.4	2676.2	44528.	4095.2
#4	1531.9	2674.6	44634.	4074.3

Sample Name: MB 180-408549/1-A Acquired: 8/15/2022 10:35:35 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00370	-.00156	.00049	.00013	-.00006
Stddev	.00043	.01579	.00052	.00052	.00010	.00012
%RSD	412.59	426.86	33.015	106.47	79.888	194.94

#1	.00037	-.00189	-.00222	.00004	.00014	.00006
#2	.00056	-.01577	-.00137	.00084	.00013	-.00006
#3	-.00032	.01278	-.00166	.00103	.00025	-.00003
#4	-.00020	.01967	-.00100	.00004	-.00000	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00620	-.00011	.00010	-.00055	.00049	.01109
Stddev	.00294	.00008	.00016	.00015	.00056	.00218
%RSD	47.453	70.459	153.71	26.655	113.89	19.680

#1	.01040	-.00011	-.00007	-.00056	.00005	.01003
#2	.00474	-.00003	.00011	-.00071	.00119	.01260
#3	.00372	-.00022	.00031	-.00057	.00003	.00854
#4	.00595	-.00009	.00005	-.00035	.00070	.01319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-408549/1-A Acquired: 8/15/2022 10:35:35 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03727	.00128	.00024	.00002	.00026	.03489
Stddev	.00888	.00130	.04481	.00003	.00014	.01029
%RSD	23.825	101.40	19037.	141.36	53.398	29.488

#1	.02974	-.00057	-.02230	.00004	.00029	.01984
#2	.03068	.00238	.06618	-.00000	.00044	.03882
#3	.04862	.00192	-.01086	-.00001	.00020	.03779
#4	.04002	.00139	-.03208	.00006	.00012	.04309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00206	.00021	.00185	.00397	.00118
Stddev	.00038	.00083	.00126	.00173	.00483	.00041
%RSD	1240.0	40.439	597.12	93.591	121.60	35.067

#1	.00043	.00163	.00198	-.00049	.00700	.00115
#2	.00005	.00330	-.00061	.00278	.00056	.00176
#3	-.00012	.00161	.00027	.00164	-.00079	.00084
#4	-.00049	.00168	-.00079	.00346	.00912	.00095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 180-408549/1-A Acquired: 8/15/2022 10:35:35 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	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	.00001	.00106	-.00517	-.00033
Stddev	.00916	.00013	.00134	.00172	.00010
%RSD	187.97	1151.0	126.82	33.266	31.165

#1	-.00866	.00004	-.00041	-.00735	-.00042
#2	.01160	-.00008	.00263	-.00573	-.00025
#3	.00846	-.00010	.00161	-.00397	-.00023
#4	.00809	.00019	.00039	-.00363	-.00041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1552.7	2705.9	45112.	4105.9
Stddev	3.6	4.5	117.	11.8
%RSD	.23140	.16678	.25991	.28628

#1	1557.1	2708.6	45274.	4113.3
#2	1554.1	2710.2	44995.	4091.6
#3	1550.6	2704.8	45093.	4117.5
#4	1549.0	2700.1	45084.	4101.4

Sample Name: LCS 180-408549/2-A Acquired: 8/15/2022 10:40:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26190	5.0053	1.0804	1.3433	.98345	.51599
Stddev	.00061	.0320	.0016	.0042	.00185	.00057
%RSD	.23248	.63965	.15073	.31380	.18790	.11063

#1	.26178	4.9730	1.0788	1.3396	.98252	.51567
#2	.26264	5.0254	1.0816	1.3399	.98384	.51563
#3	.26117	5.0393	1.0820	1.3478	.98585	.51683
#4	.26201	4.9836	1.0793	1.3459	.98159	.51580

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.351	.52461	.51464	.50513	.49958	5.0509
Stddev	.129	.00025	.00114	.00216	.00311	.0253
%RSD	.51029	.04745	.22238	.42774	.62248	.50068

#1	25.200	.52458	.51326	.50217	.50420	5.0512
#2	25.387	.52450	.51417	.50491	.49742	5.0187
#3	25.507	.52497	.51583	.50643	.49844	5.0805
#4	25.311	.52439	.51528	.50701	.49828	5.0531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-408549/2-A Acquired: 8/15/2022 10:40:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.585	.51498	24.843	.49977	.50481	24.590
Stddev	.067	.00086	.107	.00054	.00073	.067
%RSD	.27265	.16716	.43191	.10855	.14550	.27274

#1	24.558	.51440	24.728	.49999	.50431	24.663
#2	24.672	.51410	24.935	.49899	.50464	24.587
#3	24.596	.51586	24.934	.49987	.50590	24.609
#4	24.513	.51557	24.776	.50023	.50442	24.501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51798	.51260	.26014	1.0596	1.0300	1.0086
Stddev	.00074	.00414	.00150	.0067	.0197	.0025
%RSD	.14195	.80725	.57748	.62930	1.9141	.24460

#1	.51803	.51147	.25909	1.0533	1.0508	1.0079
#2	.51833	.50747	.25986	1.0675	1.0175	1.0058
#3	.51864	.51427	.25926	1.0549	1.0424	1.0117
#4	.51695	.51719	.26234	1.0627	1.0094	1.0089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS 180-408549/2-A Acquired: 8/15/2022 10:40:59 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49542	.50632	1.0265	.49950	.26146
Stddev	.00413	.00052	.0029	.00485	.00068
%RSD	.83269	.10310	.27991	.97019	.25837

#1	.50129	.50577	1.0254	.49788	.26194
#2	.49190	.50607	1.0236	.50528	.26177
#3	.49340	.50647	1.0269	.49383	.26166
#4	.49508	.50697	1.0303	.50100	.26046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1425.6	2633.5	43431.	4071.9
Stddev	1.4	2.2	78.	18.1
%RSD	.09653	.08371	.17964	.44380

#1	1427.0	2635.0	43489.	4093.7
#2	1426.0	2633.2	43501.	4049.6
#3	1423.7	2630.5	43336.	4070.2
#4	1425.7	2635.2	43399.	4074.1

Sample Name: 180-142652-D-1-B Acquired: 8/15/2022 10:45:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.93871	.04329	.12180	.02378	.00009
Stddev	.00034	.01756	.00251	.00072	.00030	.00007
%RSD	227.25	1.8705	5.7874	.59126	1.2445	75.456

#1	.00030	.93809	.04338	.12203	.02406	-.00000
#2	-.00015	.96326	.04678	.12200	.02373	.00012
#3	-.00053	.92254	.04185	.12241	.02339	.00016
#4	-.00023	.93095	.04115	.12076	.02394	.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	5.3369	.00140	.00651	.01095	.10083	16.623
Stddev	.0211	.00006	.00030	.00041	.00095	.062
%RSD	.39503	4.4377	4.6414	3.7462	.94229	.37247

#1	5.3347	.00136	.00680	.01141	.09969	16.562
#2	5.3669	.00149	.00621	.01087	.10165	16.706
#3	5.3186	.00140	.00675	.01109	.10158	16.630
#4	5.3272	.00136	.00630	.01043	.10041	16.592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-B Acquired: 8/15/2022 10:45:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2850	.01373	.71038	.26264	.01414	198.44
Stddev	.0220	.00086	.05151	.00065	.00029	.59
%RSD	.96085	6.2498	7.2512	.24713	2.0544	.29693

#1	2.2953	.01293	.76707	.26205	.01408	199.29
#2	2.3093	.01334	.74049	.26357	.01390	198.22
#3	2.2591	.01374	.67291	.26249	.01456	197.92
#4	2.2763	.01492	.66103	.26247	.01403	198.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17227	.13094	.00387	.00693	2.5047	.04997
Stddev	.00061	.00130	.00203	.00231	.0253	.00089
%RSD	.35467	.99318	52.435	33.310	1.0110	1.7793

#1	.17222	.13051	.00505	.00745	2.5208	.05079
#2	.17230	.13061	.00199	.00375	2.5317	.04889
#3	.17303	.13282	.00233	.00722	2.4831	.04962
#4	.17153	.12983	.00612	.00928	2.4831	.05060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-B Acquired: 8/15/2022 10:45:57 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01805	.02161	.00034	-.00266	1.2205
Stddev	.00139	.00035	.00142	.00262	.0026
%RSD	7.7021	1.6429	418.43	98.447	.20945

#1	.01701	.02182	.00232	-.00202	1.2243
#2	.01672	.02165	-.00106	-.00188	1.2198
#3	.01950	.02109	.00004	-.00032	1.2195
#4	.01897	.02186	.00006	-.00641	1.2186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1337.4	2528.9	40874.	3906.1
Stddev	3.2	2.0	227.	21.6
%RSD	.23980	.07899	.55530	.55375

#1	1339.3	2527.1	41112.	3917.1
#2	1340.6	2531.7	40604.	3873.7
#3	1333.4	2529.1	40778.	3915.4
#4	1336.4	2527.8	41001.	3918.1

Sample Name: 180-142652-D-1-BSD@5 Acquired: 8/15/2022 10:51:15 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.18206	.00910	.02477	.00483	-.00005
Stddev	.00037	.02642	.00316	.00045	.00010	.00007
%RSD	657.86	14.511	34.756	1.8345	2.1599	150.34

#1	.00017	.15304	.01044	.02455	.00495	-.00008
#2	.00020	.16950	.00626	.02535	.00469	-.00013
#3	-.00060	.19214	.00676	.02488	.00484	-.00001
#4	.00000	.21356	.01293	.02430	.00482	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0766	.00032	.00124	.00181	.01916	3.3722
Stddev	.0089	.00007	.00018	.00029	.00016	.0200
%RSD	.82507	21.083	14.656	15.825	.83031	.59317

#1	1.0763	.00039	.00140	.00169	.01911	3.3772
#2	1.0891	.00037	.00099	.00206	.01896	3.3796
#3	1.0721	.00026	.00135	.00204	.01931	3.3889
#4	1.0689	.00026	.00123	.00146	.01926	3.3432

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-BSD@5 Acquired: 8/15/2022 10:51:15 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53058	.00511	.14464	.05263	.00306	39.975
Stddev	.01968	.00085	.01955	.00018	.00023	.119
%RSD	3.7088	16.742	13.518	.35005	7.6607	.29709

#1	.51290	.00578	.13632	.05254	.00321	40.038
#2	.55534	.00513	.13337	.05274	.00328	40.010
#3	.53730	.00561	.13495	.05282	.00276	40.054
#4	.51676	.00389	.17391	.05242	.00300	39.799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03343	.02506	.00180	.00236	.50222	.01117
Stddev	.00043	.00195	.00029	.00297	.00972	.00069
%RSD	1.2820	7.7839	16.192	125.89	1.9363	6.1972

#1	.03366	.02222	.00197	.00676	.49667	.01144
#2	.03280	.02591	.00137	.00140	.51616	.01044
#3	.03353	.02549	.00188	.00038	.49461	.01200
#4	.03373	.02663	.00199	.00089	.50145	.01079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-BSD@5 Acquired: 8/15/2022 10:51:15 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00730	.00425	.00079	-.00360	.23888
Stddev	.00626	.00013	.00027	.00154	.00034
%RSD	85.744	3.0272	34.843	42.908	.14342

#1	-.00062	.00427	.00049	-.00244	.23939
#2	.01312	.00406	.00096	-.00256	.23869
#3	.01141	.00436	.00062	-.00577	.23868
#4	.00530	.00431	.00108	-.00363	.23876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1451.3	2599.6	43173.	4012.8
Stddev	1.9	1.8	134.	27.7
%RSD	.13058	.06995	.31111	.68998

#1	1450.9	2598.9	43269.	3994.6
#2	1454.0	2598.9	42986.	3985.4
#3	1449.5	2598.3	43271.	4026.7
#4	1450.8	2602.3	43164.	4044.8

Sample Name: 180-142652-D-1-C MS Acquired: 8/15/2022 10:56:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25714	6.0733	1.1467	1.3876	1.0171	.52349
Stddev	.00050	.0318	.0034	.0027	.0019	.00036
%RSD	.19575	.52407	.29768	.19260	.19132	.06933

#1	.25713	6.0559	1.1500	1.3838	1.0195	.52299
#2	.25653	6.0737	1.1456	1.3877	1.0163	.52386
#3	.25712	6.0458	1.1424	1.3899	1.0149	.52357
#4	.25777	6.1178	1.1487	1.3889	1.0176	.52353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.335	.53402	.54275	.53018	.60584	17.650
Stddev	.080	.00028	.00103	.00073	.00252	.093
%RSD	.25564	.05196	.19042	.13793	.41649	.52885

#1	31.375	.53442	.54408	.53091	.60351	17.558
#2	31.426	.53401	.54244	.52959	.60633	17.721
#3	31.249	.53385	.54288	.52952	.60435	17.740
#4	31.290	.53382	.54160	.53072	.60919	17.582

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-C MS Acquired: 8/15/2022 10:56:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.914	.53885	26.286	.73377	.51724	221.66
Stddev	.045	.00294	.062	.00148	.00077	.40
%RSD	.16108	.54605	.23774	.20138	.14857	.18077

#1	27.849	.54254	26.334	.73454	.51682	221.53
#2	27.932	.53987	26.195	.73200	.51802	222.14
#3	27.952	.53619	26.313	.73319	.51638	221.19
#4	27.921	.53679	26.304	.73535	.51774	221.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69921	.64043	.24835	1.0795	3.5441	1.0522
Stddev	.00112	.00334	.00361	.0087	.0249	.0026
%RSD	.16083	.52079	1.4548	.80306	.70166	.24309

#1	.70065	.63699	.25038	1.0761	3.5490	1.0484
#2	.69908	.64496	.24299	1.0753	3.5769	1.0527
#3	.69920	.64035	.25060	1.0742	3.5297	1.0534
#4	.69791	.63944	.24945	1.0925	3.5207	1.0541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-C MS Acquired: 8/15/2022 10:56:36 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51848	.53297	.96764	.51249	1.4092
Stddev	.00785	.00123	.00282	.00572	.0028
%RSD	1.5133	.23049	.29095	1.1166	.19652

#1	.52826	.53408	.96365	.51211	1.4098
#2	.51753	.53142	.97024	.50680	1.4098
#3	.50911	.53256	.96854	.52039	1.4119
#4	.51902	.53382	.96813	.51066	1.4053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1311.6	2519.1	40826.	3866.3
Stddev	2.7	2.4	73.	15.9
%RSD	.20658	.09531	.17856	.41152

#1	1309.5	2517.3	40863.	3867.0
#2	1310.4	2519.3	40911.	3844.5
#3	1311.0	2517.5	40764.	3871.4
#4	1315.6	2522.5	40767.	3882.4

Sample Name: 180-142652-D-1-D MSD Acquired: 8/15/2022 11:01:34 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27222	5.9997	1.1252	1.4707	.98121	.50717
Stddev	.00129	.0283	.0040	.0009	.00079	.00215
%RSD	.47304	.47098	.36020	.06043	.08036	.42323

#1	.27351	5.9956	1.1258	1.4719	.98238	.50910
#2	.27315	6.0390	1.1270	1.4702	.98078	.50839
#3	.27124	5.9717	1.1194	1.4699	.98095	.50424
#4	.27100	5.9924	1.1287	1.4706	.98072	.50695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca	Cd	Co	Cr	Cu	Fe
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	327.396 {103}	259.940 {130}
IS Ref	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.304	.51824	.53079	.51059	.58860	15.348
Stddev	.102	.00044	.00236	.00232	.00171	.122
%RSD	.32631	.08402	.44381	.45456	.28977	.79487

#1	31.208	.51889	.52937	.51287	.58805	15.393
#2	31.420	.51794	.53069	.51119	.59110	15.493
#3	31.229	.51802	.52896	.51095	.58799	15.211
#4	31.359	.51813	.53415	.50736	.58727	15.294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-D MSD Acquired: 8/15/2022 11:01:34 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.762	.52299	26.125	.70671	.50126	224.41
Stddev	.102	.00032	.073	.00260	.00056	.95
%RSD	.36658	.06119	.27966	.36728	.11260	.42498

#1	27.819	.52278	26.178	.71023	.50187	225.41
#2	27.852	.52344	26.176	.70651	.50089	225.03
#3	27.621	.52300	26.125	.70611	.50160	223.43
#4	27.756	.52274	26.022	.70399	.50069	223.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69073	.62737	.26550	1.0605	3.4866	1.0207
Stddev	.00093	.00351	.00164	.0023	.0291	.0024
%RSD	.13460	.55954	.61706	.21381	.83612	.23880

#1	.68942	.62518	.26533	1.0588	3.4726	1.0186
#2	.69163	.62360	.26714	1.0588	3.5155	1.0242
#3	.69092	.63057	.26331	1.0606	3.4526	1.0204
#4	.69095	.63014	.26623	1.0636	3.5056	1.0197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142652-D-1-D MSD Acquired: 8/15/2022 11:01:34 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49839	.51880	.96611	.49274	1.4444
Stddev	.00350	.00119	.00410	.00182	.0018
%RSD	.70173	.22889	.42486	.36943	.12169

#1	.49638	.51802	.96065	.49406	1.4460
#2	.49604	.51919	.96718	.49051	1.4450
#3	.49759	.52030	.96607	.49439	1.4419
#4	.50354	.51770	.97053	.49202	1.4447

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1297.8	2510.1	40772.	3839.2
Stddev	4.2	2.2	107.	15.9
%RSD	.32216	.08953	.26238	.41476

#1	1302.7	2510.1	40685.	3853.1
#2	1297.2	2508.3	40674.	3829.1
#3	1298.8	2513.3	40859.	3852.4
#4	1292.6	2508.8	40870.	3822.2

Sample Name: 180-142688-H-1-B Acquired: 8/15/2022 11:06:30 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00037	.05061	.00270	.02313	.13531	.00004
Stddev	.00012	.03314	.00114	.00062	.00092	.00003
%RSD	33.598	65.477	42.234	2.6883	.68183	61.391

#1	-.00050	.04929	.00328	.02351	.13493	.00007
#2	-.00021	.09596	.00368	.02349	.13629	.00001
#3	-.00041	.04016	.00273	.02221	.13421	.00006
#4	-.00034	.01704	.00109	.02332	.13581	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	73.976	-.00002	.00002	-.00000	.00005	.05737
Stddev	.145	.00010	.00012	.00055	.00098	.01160
%RSD	.19596	556.28	466.20	13179.	2169.7	20.221

#1	73.845	.00007	.00017	.00022	.00035	.07439
#2	74.167	-.00008	.00003	.00011	-.00133	.05095
#3	74.007	.00006	-.00011	-.00079	.00099	.05492
#4	73.885	-.00012	.00000	.00045	.00017	.04921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142688-H-1-B Acquired: 8/15/2022 11:06:30 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9549	.01306	15.105	.00835	.00094	8.5328
Stddev	.0408	.00178	.122	.00006	.00029	.0290
%RSD	2.0883	13.603	.80739	.71985	30.239	.33970

#1	1.9392	.01441	15.137	.00827	.00133	8.5253
#2	1.9210	.01193	15.245	.00842	.00067	8.5294
#3	1.9453	.01474	15.087	.00836	.00097	8.5038
#4	2.0142	.01117	14.951	.00836	.00081	8.5729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00242	.00047	.00396	F 5.4344	.00096
Stddev	.00042	.00116	.00212	.00172	.0396	.00073
%RSD	268.73	48.103	455.47	43.321	.72890	76.071

#1	.00047	.00297	.00326	.00368	5.4201	.00176
#2	.00055	.00149	.00023	.00310	5.4012	.00134
#3	-.00011	.00141	-.00189	.00645	5.4919	.00012
#4	-.00029	.00379	.00027	.00261	5.4244	.00062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.50000	

Sample Name: 180-142688-H-1-B Acquired: 8/15/2022 11:06:30 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.42388	.00062	.00199	-.00597	.00171
Stddev	.00666	.00012	.00213	.00090	.00014
%RSD	1.5705	19.619	107.03	15.019	8.1380

#1	.41430	.00058	.00237	-.00725	.00186
#2	.42972	.00052	-.00095	-.00576	.00175
#3	.42567	.00079	.00414	-.00573	.00153
#4	.42585	.00057	.00237	-.00514	.00171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1424.5	2585.5	42962.	4079.4
Stddev	3.9	5.2	138.	21.2
%RSD	.27069	.20165	.32018	.51940

#1	1421.2	2582.6	42769.	4086.4
#2	1426.0	2581.2	43095.	4048.3
#3	1421.6	2585.2	43004.	4087.5
#4	1429.3	2592.9	42981.	4095.6

Sample Name: 180-142038-M-1-B@5 Acquired: 8/15/2022 11:11:50 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.03757	.04095	.28018	.11742	-.00009
Stddev	.00012	.01851	.00297	.00023	.00049	.00008
%RSD	105.55	49.271	7.2586	.08377	.41406	96.228

#1	-.00020	.04713	.04098	.28009	.11722	-.00007
#2	-.00018	.02492	.04505	.28042	.11685	-.00011
#3	-.00010	.05875	.03967	.27989	.11793	-.00019
#4	.00005	.01947	.03812	.28031	.11770	.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	12.116	.00012	.00115	.01147	.00382	12.348
Stddev	.021	.00013	.00020	.00028	.00062	.051
%RSD	.17398	107.41	17.487	2.4113	16.137	.41486

#1	12.107	.00026	.00126	.01187	.00343	12.375
#2	12.124	.00010	.00087	.01141	.00452	12.300
#3	12.140	-.00005	.00116	.01133	.00319	12.407
#4	12.092	.00018	.00132	.01126	.00414	12.311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142038-M-1-B@5 Acquired: 8/15/2022 11:11:50 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.4654	.05408	1.7876	.66241	.00599	21.132
Stddev	.0147	.00068	.0339	.00113	.00012	.080
%RSD	.22706	1.2604	1.8952	.17044	2.0307	.38022

#1	6.4553	.05345	1.7914	.66137	.00594	21.177
#2	6.4859	.05355	1.8199	.66327	.00606	21.095
#3	6.4543	.05453	1.7991	.66150	.00584	21.217
#4	6.4659	.05480	1.7401	.66349	.00611	21.039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03967	.01700	-.00004	.01052	.54453	.00346
Stddev	.00053	.00134	.00158	.00283	.01959	.00049
%RSD	1.3386	7.9103	4258.1	26.850	3.5978	14.239

#1	.03961	.01832	-.00220	.00749	.56539	.00386
#2	.03962	.01593	.00154	.01301	.54853	.00385
#3	.04037	.01799	.00052	.00874	.54608	.00328
#4	.03908	.01575	-.00002	.01284	.51811	.00284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142038-M-1-B@5 Acquired: 8/15/2022 11:11:50 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06226	.00286	-.00340	-.00278	.11727
Stddev	.00657	.00018	.00188	.00215	.00099
%RSD	10.547	6.1376	55.139	77.121	.84190

#1	.06429	.00295	-.00268	-.00216	.11624
#2	.07067	.00281	-.00226	-.00557	.11695
#3	.05731	.00304	-.00620	-.00299	.11860
#4	.05678	.00263	-.00246	-.00041	.11727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1469.3	2599.7	43557.	4064.9
Stddev	2.7	2.7	67.	18.0
%RSD	.18340	.10473	.15301	.44373

#1	1469.2	2600.6	43580.	4041.6
#2	1466.3	2598.2	43497.	4064.0
#3	1468.8	2597.0	43641.	4068.7
#4	1472.8	2603.1	43510.	4085.3

Sample Name: 180-142761-J-1-A Acquired: 8/15/2022 11:17:08 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.18485	.00485	.23507	.28653	-.00001
Stddev	.00036	.02450	.00237	.00190	.00113	.00003
%RSD	3105.6	13.251	48.845	.80988	.39429	239.42

#1	-.00032	.21773	.00286	.23745	.28508	-.00004
#2	.00017	.16807	.00772	.23572	.28682	-.00004
#3	.00044	.18923	.00296	.23324	.28641	.00002
#4	-.00024	.16439	.00588	.23387	.28781	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 204.65	.00015	.00074	.00235	.00305	2.1304
Stddev	.63	.00007	.00015	.00050	.00068	.0159
%RSD	.30799	47.780	20.463	21.044	22.205	.74606

#1	203.89	.00004	.00060	.00301	.00227	2.1373
#2	205.27	.00019	.00090	.00198	.00324	2.1340
#3	204.40	.00018	.00084	.00246	.00283	2.1072
#4	205.05	.00020	.00062	.00196	.00388	2.1431

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	100.00					
Low Limit	-5.0000					

Sample Name: 180-142761-J-1-A Acquired: 8/15/2022 11:17:08 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	59.217	.04099	10.607	.12851	.28446	204.00
Stddev	.244	.00098	.074	.00024	.00122	.62
%RSD	.41128	2.3872	.69434	.18605	.42871	.30433

#1	59.424	.04210	10.502	.12832	.28570	204.42
#2	59.041	.04128	10.635	.12856	.28355	203.74
#3	58.973	.03976	10.619	.12883	.28532	203.25
#4	59.429	.04083	10.672	.12834	.28329	204.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00303	.01157	.00503	.00467	2.5531	.00117
Stddev	.00084	.00037	.00252	.00408	.0282	.00050
%RSD	27.659	3.1551	50.017	87.408	1.1040	42.768

#1	.00266	.01124	.00175	.00660	2.5471	.00091
#2	.00428	.01155	.00788	.00872	2.5606	.00078
#3	.00252	.01209	.00511	-.00076	2.5185	.00109
#4	.00266	.01142	.00539	.00411	2.5861	.00189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142761-J-1-A Acquired: 8/15/2022 11:17:08 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9417	.00307	.00160	-.00373	1.1702
Stddev	.0136	.00017	.00144	.00380	.0027
%RSD	.70096	5.5579	90.101	101.97	.22917

#1	1.9273	.00315	.00273	-.00604	1.1690
#2	1.9329	.00282	.00279	-.00786	1.1742
#3	1.9514	.00315	.00109	-.00070	1.1692
#4	1.9550	.00317	-.00021	-.00031	1.1685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1285.1	2471.1	40870.	4001.3
Stddev	5.6	5.2	86.	20.6
%RSD	.43961	.21091	.21114	.51514

#1	1293.2	2472.1	40994.	4013.5
#2	1283.0	2466.3	40855.	3979.4
#3	1280.1	2467.8	40797.	4023.4
#4	1284.3	2478.0	40835.	3988.8

Sample Name: 180-142761-J-2-A Acquired: 8/15/2022 11:22:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00026	.18646	.00163	.30074	.29669	.00000
Stddev	.00049	.00329	.00251	.00087	.00083	.00011
%RSD	186.68	1.7638	153.61	.28858	.28065	90644.

#1	-.00034	.18416	-.00006	.30187	.29750	-.00013
#2	.00040	.18441	.00431	.30035	.29715	.00005
#3	-.00034	.19123	.00318	.29985	.29560	-.00003
#4	-.00078	.18606	-.00090	.30090	.29652	.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.978	.00003	.00073	.00026	.00244	3.2001
Stddev	.028	.00018	.00019	.00038	.00056	.0178
%RSD	.08529	637.12	26.591	144.03	23.004	.55578

#1	33.000	-.00002	.00079	.00056	.00191	3.2089
#2	32.938	.00024	.00063	.00017	.00220	3.1976
#3	32.980	.00008	.00052	-.00023	.00322	3.1764
#4	32.995	-.00019	.00097	.00056	.00240	3.2175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 180-142761-J-2-A Acquired: 8/15/2022 11:22:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.425	.02982	13.299	.06562	.15558	F 261.69
Stddev	.110	.00089	.107	.00011	.00020	.89
%RSD	.63232	2.9868	.80386	.16705	.12837	.33893

#1	17.570	.03098	13.431	.06568	.15568	262.94
#2	17.314	.03000	13.245	.06548	.15566	261.11
#3	17.373	.02891	13.333	.06557	.15528	261.01
#4	17.442	.02940	13.186	.06573	.15570	261.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250.00
Low Limit						-5.0000

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.01289	.00664	.00246	F 4.4805	.00172
Stddev	.00040	.00158	.00211	.00358	.0116	.00019
%RSD	84.537	12.233	31.831	145.30	.25944	11.028

#1	.00003	.01315	.00780	-.00163	4.4874	.00186
#2	.00084	.01482	.00855	.00384	4.4676	.00188
#3	.00024	.01100	.00645	.00099	4.4742	.00167
#4	.00077	.01259	.00375	.00665	4.4927	.00147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.0000	
Low Limit					-.50000	

Sample Name: 180-142761-J-2-A Acquired: 8/15/2022 11:22:23 Type: Unk
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36395	.00383	-.00060	-.00119	.57317
Stddev	.00881	.00019	.00111	.00188	.00130
%RSD	2.4219	4.8792	185.64	157.30	.22646

#1	.35535	.00375	-.00004	-.00171	.57400
#2	.36770	.00369	-.00203	-.00339	.57308
#3	.37453	.00410	.00053	-.00078	.57137
#4	.35820	.00376	-.00085	.00111	.57422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Line	230.606 {446}	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1331.0	2552.1	41789.	4041.5
Stddev	2.1	4.6	65.	27.2
%RSD	.15565	.18101	.15508	.67231

#1	1333.6	2557.4	41840.	4011.0
#2	1331.7	2550.4	41701.	4077.1
#3	1329.4	2553.8	41836.	4040.8
#4	1329.3	2546.6	41780.	4037.1

Sample Name: CCV 4962953 Acquired: 8/15/2022 11:27:43 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0229	24.822	.51735	2.0641	1.9628	1.9717
Stddev	.0020	.126	.00596	.0037	.0044	.0056
%RSD	.19560	.50916	1.1526	.17833	.22367	.28549

#1	1.0255	24.863	.52280	2.0661	1.9607	1.9665
#2	1.0209	24.660	.51708	2.0676	1.9604	1.9679
#3	1.0220	24.962	.52041	2.0592	1.9694	1.9788
#4	1.0233	24.803	.50913	2.0633	1.9608	1.9735

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	50.289	.50395	2.0986	1.9458	2.0198	25.097
Stddev	.232	.00048	.0025	.0113	.0038	.130
%RSD	.46158	.09466	.11787	.58165	.18756	.51817

#1	50.011	.50422	2.1007	1.9551	2.0234	24.915
#2	50.526	.50408	2.1008	1.9558	2.0161	25.109
#3	50.426	.50324	2.0971	1.9338	2.0169	25.221
#4	50.191	.50425	2.0960	1.9384	2.0226	25.143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 11:27:43 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	120.49	2.0210	48.906	1.9469	1.9792	120.68
Stddev	.51	.0082	.303	.0118	.0026	.70
%RSD	.42108	.40442	.62006	.60476	.12890	.57828

#1	120.22	2.0162	48.503	1.9550	1.9772	120.60
#2	119.91	2.0302	48.851	1.9580	1.9770	119.72
#3	120.96	2.0254	49.186	1.9327	1.9823	121.25
#4	120.87	2.0124	49.084	1.9419	1.9802	121.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0727	.50968	.50329	.51500	1.9452	1.9173
Stddev	.0013	.00260	.00120	.00338	.0157	.0067
%RSD	.06303	.51000	.23752	.65591	.80616	.35048

#1	2.0744	.50721	.50496	.51954	1.9466	1.9076
#2	2.0717	.50907	.50212	.51377	1.9231	1.9183
#3	2.0716	.50908	.50312	.51152	1.9596	1.9201
#4	2.0732	.51335	.50298	.51517	1.9516	1.9230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV 4962953 Acquired: 8/15/2022 11:27:43 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9150	1.9711	.99866	1.9931	1.9911
Stddev	.0136	.0049	.00058	.0110	.0018
%RSD	.71212	.24787	.05773	.55007	.08918

#1	1.9156	1.9718	.99780	1.9894	1.9889
#2	1.8970	1.9776	.99902	1.9798	1.9904
#3	1.9174	1.9686	.99888	1.9982	1.9924
#4	1.9301	1.9664	.99894	2.0051	1.9926

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	1293.4	2543.6	41508.	4015.6
Stddev	2.2	4.4	230.	17.3
%RSD	.16918	.17324	.55523	.43071

#1	1290.3	2538.6	41280.	4027.3
#2	1293.4	2541.2	41400.	3995.8
#3	1295.5	2547.8	41816.	4006.7
#4	1294.2	2546.7	41533.	4032.6

Sample Name: CCB5 Acquired: 8/15/2022 11:32:41 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00222	-.00150	.00213	.00011	.00003
Stddev	.00034	.02222	.00152	.00071	.00011	.00013
%RSD	499.55	1001.1	101.11	33.472	98.876	514.75

#1	.00044	.03005	-.00174	.00313	.00010	-.00015
#2	-.00025	-.01918	-.00184	.00206	.00000	.00010
#3	-.00023	-.01407	.00060	.00190	.00007	.00015
#4	-.00023	-.00568	-.00303	.00144	.00026	-.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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00344	-.00001	.00000	-.00007	.00039	.01328
Stddev	.00365	.00013	.00020	.00044	.00042	.03117
%RSD	106.14	1976.1	6791.2	619.44	110.00	234.65

#1	.00148	-.00020	.00016	.00047	.00069	-.00089
#2	-.00726	.00009	-.00018	-.00049	.00078	-.00200
#3	-.00350	.00005	.00019	-.00036	-.00011	.06000
#4	-.00447	.00003	-.00015	.00010	.00018	-.00397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 8/15/2022 11:32:41 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11542	.00341	.00133	-.00001	.00063	.08948
Stddev	.04068	.00189	.01540	.00007	.00010	.00596
%RSD	35.250	55.519	1159.2	798.81	15.746	6.6662

#1	.15789	.00586	-.01187	-.00005	.00061	.09032
#2	.10987	.00376	.02279	.00004	.00072	.09263
#3	.06196	.00256	-.00743	.00007	.00070	.09411
#4	.13195	.00144	.00183	-.00009	.00050	.08084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {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	.00005	.00067	.00153	.00243	.00065
Stddev	.00036	.00148	.00165	.00265	.00348	.00044
%RSD	1006.1	2825.7	245.23	172.66	143.03	67.633

#1	-.00050	.00015	.00178	.00067	.00621	.00022
#2	-.00008	-.00065	-.00022	.00531	.00091	.00067
#3	.00006	.00207	-.00118	.00102	-.00163	.00046
#4	.00037	-.00136	.00231	-.00087	.00425	.00124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB5 Acquired: 8/15/2022 11:32:41 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00554	.00012	.00013	-.00512	-.00051
Stddev	.00369	.00018	.00139	.00574	.00015
%RSD	66.648	154.68	1060.7	112.17	30.135

#1	.00606	.00032	.00113	-.00280	-.00070
#2	.00017	.00021	-.00006	-.00101	-.00037
#3	.00784	.00000	.00122	-.00304	-.00040
#4	.00810	-.00007	-.00176	-.01362	-.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	1534.8	2682.6	44571.	4027.8
Stddev	2.6	1.0	90.	9.8
%RSD	.16665	.03648	.20152	.24276

#1	1532.3	2681.8	44594.	4042.1
#2	1538.1	2682.2	44671.	4021.0
#3	1533.3	2682.2	44455.	4026.2
#4	1535.6	2684.0	44563.	4021.9

Sample Name: CCVL 4925836 Acquired: 8/15/2022 11:38:08 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Ag	Al	As	B_	Ba	Be
Line	328.068 {103}	308.215 {109}	189.042 {478}	182.641 {485}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00513	.19799	.00906	.20340	.19979	.00396
Stddev	.00039	.01320	.00248	.00064	.00052	.00011
%RSD	7.6851	6.6682	27.365	.31435	.25912	2.7245

#1	.00553	.20075	.00757	.20436	.19988	.00387
#2	.00540	.18655	.00636	.20310	.19951	.00402
#3	.00480	.18917	.01099	.20307	.20047	.00388
#4	.00477	.21550	.01134	.20309	.19929	.00409

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)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0978	.00506	.04908	.00435	.02601	.10134
Stddev	.0158	.00008	.00028	.00065	.00055	.00213
%RSD	.31034	1.5840	.57060	14.889	2.1009	2.1021

#1	5.0772	.00495	.04914	.00416	.02540	.09856
#2	5.0938	.00508	.04912	.00352	.02651	.10374
#3	5.1112	.00514	.04935	.00481	.02643	.10165
#4	5.1092	.00506	.04869	.00492	.02570	.10142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4925836 Acquired: 8/15/2022 11:38:08 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	K_	Li	Mg	Mn	Mo	Na
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9436	.05084	5.1011	.01498	.04018	4.8489
Stddev	.0605	.00092	.1049	.00008	.00018	.0222
%RSD	1.2244	1.8004	2.0562	.56050	.44597	.45715

#1	4.9574	.04982	5.0308	.01488	.04042	4.8504
#2	5.0137	.05140	5.0755	.01508	.03998	4.8736
#3	4.9359	.05180	5.2558	.01500	.04016	4.8519
#4	4.8673	.05035	5.0422	.01494	.04014	4.8197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ni	Pb	Sb	Se	Si	Sn
Line	231.604 {446}	220.353 {453}	217.581 {455}	196.090 {472}	251.611 {134}	189.989 {477}
IS Ref	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03947	.01066	.01009	.01132	.52725	.09804
Stddev	.00069	.00023	.00166	.00153	.01078	.00131
%RSD	1.7507	2.1442	16.496	13.563	2.0454	1.3312

#1	.03946	.01053	.01129	.00992	.52407	.09921
#2	.04033	.01042	.00961	.01014	.53563	.09766
#3	.03943	.01082	.01150	.01213	.51336	.09637
#4	.03864	.01089	.00794	.01307	.53594	.09894

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL 4925836 Acquired: 8/15/2022 11:38:08 Type: QC
Method: PITT-6500ICP-2(v5574) Mode: CONC Corr. Factor: 1.000000
User: RGood Custom ID1: C220815A Custom ID2: 6500ICP2 Custom ID3: Int: 4957518
Comment: Eurofins Northeast - Pittsburgh - 6010C, 6010D, 200.7

Elem	Sr	Ti	Tl	V_	Zn
Line	346.446 { 97}	337.280 {100}	190.856 {477}	290.882 {116}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05178	.05000	.01870	.04583	.02055
Stddev	.00306	.00014	.00068	.00140	.00016
%RSD	5.9086	.28510	3.6427	3.0580	.80009

#1	.05278	.05000	.01785	.04542	.02037
#2	.04845	.04981	.01865	.04736	.02066
#3	.05553	.05004	.01878	.04410	.02072
#4	.05038	.05015	.01952	.04645	.02046

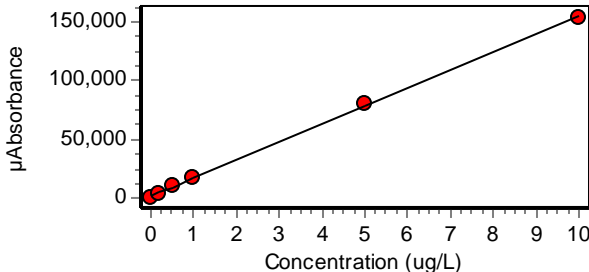
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

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	1508.9	2662.3	44214.	4008.6
Stddev	1.5	2.8	51.	21.8
%RSD	.09736	.10672	.11541	.54324

#1	1508.7	2661.3	44258.	4037.4
#2	1507.8	2659.9	44206.	3986.6
#3	1507.9	2666.5	44146.	3998.6
#4	1511.0	2661.7	44248.	4011.7

Report Generated By Teledyne Leeman QuickTrace**Analyst:** pitbal02,**Worksheet file:** C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\HGY20811A.wszf**Creation Date:** 8/11/2022 12:53:55 PM**Comment:** Eurofins TestAmerica Pittsburgh Mercury Analysis - 7470A, 7470A_L (HGY)

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
Calibration Blank	STD	08/11/22 01:24:44 pm	0.000	598	2.35			N/A
Standard #1	STD	08/11/22 01:25:47 pm	0.200	4615	1.81	-20.94%		N/A
Standard #2	STD	08/11/22 01:26:49 pm	0.500	10303	1.59	6.43%		N/A
Standard #3	STD	08/11/22 01:27:52 pm	1.000	18010	1.36	3.90%		N/A
Standard #4	STD	08/11/22 01:28:55 pm	5.000	80721	1.52	3.26%		N/A
Standard #5	STD	08/11/22 01:31:08 pm	10.000	152963	1.49	-0.86%		N/A
<div>Calibration</div> <div><div><div>Equation: Abs = 15206.222x + 2211.116</div><div>R2: 0.99938</div><div>SEE: 1692.5910</div><div>Flags:</div></div><div><div>RSE: 12.99%</div><div></div></div></div>								
ICV 180-408233/7-A	ICV	08/11/22 01:33:46 pm	2.591	41609	1.62			103.64
ICB 180-408233/8-A	ICB	08/11/22 01:34:51 pm	-0.020	1909	10.11			N/A
CRA 180-408233/9-A	CRDL	08/11/22 01:35:54 pm	0.156	4582	3.08			77.96
CCV 180-408233/10-A	CCV	08/11/22 01:36:59 pm	4.840	75814	1.43			96.81
CCB 180-408233/11-A	CCB	08/11/22 01:38:03 pm	-0.024	1852	1.60			N/A
MB 180-408129/1-A	MB	08/11/22 01:39:05 pm	-0.125	313	1.55			N/A
LCS 180-408129/2-A	LCS	08/11/22 01:40:06 pm	2.580	41442	1.59			103.20
180-142124-F-9-B	UNK	08/11/22 01:41:08 pm	-0.105	611	0.66			N/A
180-142124-F-9-C MS	UNK	08/11/22 01:42:10 pm	0.994	17333	1.72			N/A
180-142124-F-9-D MSD	UNK	08/11/22 01:43:12 pm	0.965	16878	1.58			N/A
180-142124-D-8-B	UNK	08/11/22 01:44:14 pm	-0.106	605	0.76			N/A
180-142124-D-7-B	UNK	08/11/22 01:45:16 pm	-0.105	621	1.68			N/A
180-142124-F-6-B	UNK	08/11/22 01:46:19 pm	-0.100	687	1.33			N/A
180-142124-F-5-B	UNK	08/11/22 01:47:22 pm	-0.097	736	0.85			N/A
180-142124-D-4-B	UNK	08/11/22 01:48:24 pm	-0.096	752	1.98			N/A
CCV 180-408233/10-A	CCV	08/11/22 01:49:29 pm	4.877	76371	1.42			97.54
CCB 180-408233/11-A	CCB	08/11/22 01:50:33 pm	-0.024	1844	10.51			N/A
180-142124-F-3-B	UNK	08/11/22 01:51:36 pm	-0.101	675	1.43			N/A
180-142124-F-2-B	UNK	08/11/22 01:52:39 pm	-0.072	1109	2.05			N/A
180-142124-F-1-D	UNK	08/11/22 01:53:40 pm	-0.097	737	0.93			N/A
180-141939-C-2-B	UNK	08/11/22 01:54:42 pm	-0.098	714	0.89			N/A
180-142500-D-1-D	UNK	08/11/22 01:55:44 pm	0.016	2459	16.82			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-142501-B-1-B	UNK	08/11/22 01:56:46 pm	-0.132	199	0.63			N/A
180-142623-B-1-A	UNK	08/11/22 01:57:48 pm	-0.110	540	1.19			N/A
180-142624-D-1-A	UNK	08/11/22 01:58:50 pm	-0.129	254	1.54			N/A
180-142625-D-1-A	UNK	08/11/22 01:59:52 pm	3.366	53396	1.71			N/A
180-142628-D-1-A	UNK	08/11/22 02:00:55 pm	0.633	11830	1.87			N/A
CCV 180-408233/10-A	CCV	08/11/22 02:01:59 pm	4.837	75765	1.45			96.74
CCB 180-408233/11-A	CCB	08/11/22 02:03:49 pm	-0.020	1909	7.04			N/A
180-142652-D-1-A	UNK	08/11/22 02:04:52 pm	0.227	5665	2.45			N/A
MB 180-408302/1-A	MB	08/11/22 02:05:55 pm	-0.137	127	0.94			N/A
LCS 180-408302/2-A	LCS	08/11/22 02:06:58 pm	2.496	40164	1.64			99.83
180-142274-E-1-B	UNK	08/11/22 02:08:01 pm	-0.132	205	0.67			N/A
180-142274-E-1-C MS	UNK	08/11/22 02:09:02 pm	0.904	15959	1.85			N/A
180-142274-E-1-D MSD	UNK	08/11/22 02:10:04 pm	0.922	16231	1.71			N/A
180-142274-E-2-B	UNK	08/11/22 02:11:06 pm	-0.126	302	1.36			N/A
180-142274-E-3-B	UNK	08/11/22 02:12:08 pm	-0.129	248	1.40			N/A
180-142274-E-4-B	UNK	08/11/22 02:13:10 pm	-0.130	234	1.32			N/A
180-142274-F-1-B	UNK	08/11/22 02:14:12 pm	-0.128	260	0.75			N/A
CCV 180-408233/10-A	CCV	08/11/22 02:15:16 pm	4.857	76065	1.39			97.14
CCB 180-408233/11-A	CCB	08/11/22 02:16:21 pm	-0.024	1851	6.45			N/A
180-142274-F-2-B	UNK	08/11/22 02:17:23 pm	-0.130	237	1.24			N/A
180-142274-A-5-B	UNK	08/11/22 02:18:25 pm	-0.118	415	0.87			N/A
180-142205-F-3-B	UNK	08/11/22 02:19:28 pm	-0.125	317	1.56			N/A
180-142688-H-1-A	UNK	08/11/22 02:20:31 pm	-0.126	301	0.60			N/A
180-142591-I-1-A	UNK	08/11/22 02:21:34 pm	-0.122	358	0.43			N/A
180-142038-M-1-A	UNK	08/11/22 02:22:37 pm	0.455	9124	1.53			N/A
180-142205-F-2-B	UNK	08/11/22 02:23:39 pm	-0.047	1496	3.90			N/A
180-142690-D-1-A	UNK	08/11/22 02:24:41 pm	22.225	340166	1.30		O	N/A
180-142287-L-4-A	UNK	08/11/22 02:27:47 pm	0.498	9786	1.89			N/A
180-142287-F-6-A	UNK	08/11/22 02:28:49 pm	0.465	9281	2.24			N/A
CCV 180-408233/10-A	CCV	08/11/22 02:29:53 pm	4.852	75994	1.46			97.04
CCB 180-408233/11-A	CCB	08/11/22 02:30:58 pm	-0.024	1845	11.22			N/A
MB 180-408279/1-A	MB	08/11/22 02:32:00 pm	-0.133	182	1.26			N/A
LCS 180-408279/2-A	LCS	08/11/22 02:33:02 pm	2.507	40327	1.75			100.26
LB 180-408025/1-B	PBK	08/11/22 02:34:04 pm	-0.109	560	0.17			N/A
180-142593-B-1-H	UNK	08/11/22 02:35:07 pm	0.020	2511	14.95			N/A
180-142593-B-1-I MS	UNK	08/11/22 02:36:09 pm	5.013	78441	1.61			N/A
180-142593-B-1-J MSD	UNK	08/11/22 02:38:13 pm	5.074	79362	1.57			N/A
180-142512-E-1-B	UNK	08/11/22 02:40:29 pm	-0.122	363	1.15			N/A
180-142519-A-1-B	UNK	08/11/22 02:41:32 pm	0.640	11946	1.98			N/A
180-142519-A-2-B	UNK	08/11/22 02:42:34 pm	0.020	2519	15.77			N/A
180-142519-A-3-B	UNK	08/11/22 02:43:36 pm	0.151	4506	3.43			N/A
CCV 180-408233/10-A	CCV	08/11/22 02:44:40 pm	4.840	75809	1.52			96.80
CCB 180-408233/11-A	CCB	08/11/22 02:45:45 pm	-0.024	1844	8.82			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-142268-A-1-C	UNK	08/11/22 02:46:47 pm	-0.116	450	0.62			N/A
180-142268-A-2-C	UNK	08/11/22 02:47:49 pm	-0.117	433	1.24			N/A
180-142268-A-3-C	UNK	08/11/22 02:48:51 pm	-0.116	452	0.99			N/A
180-142292-C-1-E	UNK	08/11/22 02:49:53 pm	-0.059	1309	2.89			N/A
LB 180-408087/1-B	PBK	08/11/22 02:50:55 pm	-0.107	579	1.48			N/A
180-142510-B-2-B	UNK	08/11/22 02:51:58 pm	-0.079	1004	1.51			N/A
LB 180-407329/1-D	PBK	08/11/22 02:53:00 pm	-0.116	454	1.17			N/A
180-140999-A-1-R	UNK	08/11/22 02:54:03 pm	-0.057	1341	4.43			N/A
MB 180-408131/1-A	MB	08/11/22 02:55:45 pm	-0.114	484	0.80			N/A
LCS 180-408131/2-A	LCS	08/11/22 02:56:48 pm	2.661	42670	1.71			106.43
CCV 180-408233/10-A	CCV	08/11/22 02:57:53 pm	4.822	75542	1.51			96.45
CCB 180-408233/11-A	CCB	08/11/22 02:58:57 pm	-0.024	1849	7.02			N/A
LB 180-407917/1-B	PBK	08/11/22 03:00:00 pm	-0.112	508	0.66			N/A
180-142354-A-1-K	UNK	08/11/22 03:01:02 pm	-0.028	1779	10.60			N/A
LB 180-407907/1-B	PBK	08/11/22 03:02:04 pm	-0.070	1144	1.28			N/A
180-142383-A-1-B	UNK	08/11/22 03:03:06 pm	-0.065	1220	2.69			N/A
180-142436-BQ-1-B	UNK	08/11/22 03:04:09 pm	12.917	198637	1.48		O	N/A
180-142463-AP-1-B	UNK	08/11/22 03:07:04 pm	0.355	7604	2.06			N/A
180-142492-A-1-B	UNK	08/11/22 03:08:06 pm	-0.095	759	0.81			N/A
180-142514-A-1-H	UNK	08/11/22 03:09:09 pm	-0.071	1138	1.27			N/A
180-142514-A-1-I MS	UNK	08/11/22 03:10:11 pm	5.943	92582	2.47			N/A
180-142514-A-1-J MSD	UNK	08/11/22 03:12:28 pm	8.462	130890	1.56			N/A
CCV 180-408233/10-A	CCV	08/11/22 03:14:40 pm	4.825	75579	1.54			96.50
CCB 180-408233/11-A	CCB	08/11/22 03:15:44 pm	-0.023	1855	12.17			N/A
180-141701-A-1-G	UNK	08/11/22 03:16:47 pm	-0.099	698	2.69			N/A
180-141769-B-2-E	UNK	08/11/22 03:17:50 pm	0.012	2388	17.45			N/A
180-141997-A-1-B	UNK	08/11/22 03:19:45 pm	0.073	3322	4.90			N/A
180-142467-CA-1-B	UNK	08/11/22 03:20:48 pm	-0.085	922	1.08			N/A
180-142604-E-1-C	UNK	08/11/22 03:21:50 pm	-0.100	690	1.60			N/A
180-142604-D-2-C	UNK	08/11/22 03:22:53 pm	-0.086	903	2.03			N/A
180-142264-A-3-B	UNK	08/11/22 03:23:55 pm	-0.084	927	1.05			N/A
180-141711-DJ-1-H	UNK	08/11/22 03:24:58 pm	2.943	46963	1.19			N/A
180-142277-A-2-D	UNK	08/11/22 03:26:00 pm	-0.154	-123	0.99			N/A
MB 180-408130/1-A	MB	08/11/22 03:27:03 pm	-0.126	293	1.51			N/A
CCV 180-408233/10-A	CCV	08/11/22 03:28:07 pm	4.733	74180	1.54			94.66
CCB 180-408233/11-A	CCB	08/11/22 03:29:12 pm	-0.024	1846	6.94			N/A
LCS 180-408130/2-A	LCS	08/11/22 03:30:14 pm	2.447	39429	1.77			97.90
LB 180-408071/1-B	PBK	08/11/22 03:31:17 pm	-0.117	432	0.75			N/A
180-141591-B-2-E	UNK	08/11/22 03:32:20 pm	-0.112	514	1.24			N/A
180-142406-A-1-C	UNK	08/11/22 03:33:23 pm	-0.136	139	0.20			N/A
180-142408-A-1-C	UNK	08/11/22 03:34:25 pm	0.018	2486	12.11			N/A
180-141756-B-3-B	UNK	08/11/22 03:35:28 pm	-0.107	589	1.95			N/A
180-142386-Q-1-B	UNK	08/11/22 03:36:30 pm	-0.102	658	0.47			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-142386-Q-1-C MS	UNK	08/11/22 03:37:33 pm	1.855	30410	1.79			N/A
180-142386-Q-1-D MSD	UNK	08/11/22 03:38:36 pm	1.890	30946	1.91			N/A
180-142488-C-1-B@5	UNK	08/11/22 03:39:38 pm	-0.140	89	0.69			N/A
CCV 180-408233/10-A	CCV	08/11/22 03:40:42 pm	4.802	75236	1.46			96.05
CCB 180-408233/11-A	CCB	08/11/22 03:41:47 pm	-0.025	1833	9.29			N/A
180-142690-D-1-A@5	UNK	08/11/22 03:42:50 pm	4.870	76260	1.75			N/A
180-142436-BQ-1-B@2	UNK	08/11/22 03:43:52 pm	6.773	105204	1.62			N/A
CRA 180-408233/9-A	CRDL	08/11/22 03:48:03 pm	0.428	8719	2.46		Y	214.00
CRA 180-408233/9-A	CRDL	08/11/22 03:50:30 pm	0.153	4537	3.37			76.47
CCV 180-408233/10-A	CCV	08/11/22 03:52:51 pm	4.798	75171	1.67			95.96
CCB 180-408233/11-A	CCB	08/11/22 03:53:56 pm	-0.024	1846	4.95			N/A

Report Generated By Teledyne Leeman QuickTrace

Analyst: pitbal02,

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\HGZ220824A.wszf

Creation Date: 8/24/2022 11:01:27 AM

Comment: Eurofins TestAmerica Pittsburgh Mercury Analysis - 7471B, 7471B_DKQP, 7470A_L (H

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
Calibration Blank	STD	08/24/22 12:00:28 pm	0.000	955	1.92			N/A
Standard #1 (0.2 ug/L)	STD	08/24/22 12:01:30 pm	0.200	4452	1.23	32.78%		N/A
Standard #2 (0.5 ug/L)	STD	08/24/22 12:02:33 pm	0.500	7442	1.58	0.59%		N/A
Standard #3 (1.0ug/L)	STD	08/24/22 12:03:36 pm	1.000	13471	1.24	-1.86%		N/A
Standard #4 (5 ug/L)	STD	08/24/22 12:04:39 pm	5.000	63132	1.38	-1.53%		N/A
Standard #5 (10 ug/L)	STD	08/24/22 12:06:37 pm	10.000	127580	1.20	0.39%		N/A
<div>Calibration</div> <div><div>Equation: Abs = 12598.540x + 1106.089</div><div>R2: 0.99985</div><div>SEE: 695.3700</div><div>Flags:</div></div> <div><div>RSE: 18.98%</div><div></div></div>								
ICV 180-409764/7-A	ICV	08/24/22 12:11:35 pm	2.388	31194	1.46			95.53
ICB 180-409764/8-A	ICB	08/24/22 12:12:39 pm	-0.009	988	6.09			N/A
CRA 180-409764/9-A	CRDL	08/24/22 12:13:43 pm	0.214	3803	1.56			107.03
CCV 180-409764/10-A	CCV	08/24/22 12:14:48 pm	4.810	61703	1.39			96.20
CCB 180-409764/11-A	CCB	08/24/22 12:17:03 pm	-0.007	1023	25.77			N/A
MB 180-409669/1-A	MB	08/24/22 12:18:05 pm	-0.014	928	5.54			N/A
LCS 180-409669/2-A	LCS	08/24/22 12:19:06 pm	2.180	28578	1.56			87.22
500-220514-B-1-B	UNK	08/24/22 12:20:08 pm	0.139	2861	2.22			N/A
500-220514-B-2-B	UNK	08/24/22 12:21:10 pm	0.025	1417	8.89			N/A
500-220514-B-4-B	UNK	08/24/22 12:22:11 pm	-0.027	769	5.29			N/A
500-220514-B-5-B	UNK	08/24/22 12:23:14 pm	0.175	3316	2.65			N/A
180-143079-B-1-C	UNK	08/24/22 12:24:16 pm	0.808	11283	1.92			N/A
180-142669-A-2-D	UNK	08/24/22 12:29:34 pm	-0.008	1004	17.33			N/A
180-142669-A-6-D	UNK	08/24/22 12:30:36 pm	-0.073	188	2.09			N/A
180-142676-A-1-C	UNK	08/24/22 12:31:39 pm	0.081	2131	2.46			N/A
CCV 180-409764/10-A	CCV	08/24/22 12:32:43 pm	4.771	61210	1.47			95.41
CCB 180-409764/11-A	CCB	08/24/22 12:34:51 pm	-0.006	1036	28.06			N/A
180-142676-A-2-B	UNK	08/24/22 12:35:54 pm	-0.018	883	7.63			N/A
180-142292-C-1-J	UNK	08/24/22 12:36:57 pm	61.726	778758	0.81		O	N/A
180-142177-E-1-B	UNK	08/24/22 12:44:28 pm	0.159	3114	2.38			N/A
180-142948-A-1-A	UNK	08/24/22 12:45:29 pm	0.024	1408	15.47			N/A
180-142188-B-13-D	UNK	08/24/22 12:46:31 pm	0.168	3222	2.32			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-142188-B-14-B	UNK	08/24/22 12:47:32 pm	0.219	3870	2.27			N/A
180-142188-A-15-B	UNK	08/24/22 12:48:34 pm	0.254	4307	2.18			N/A
180-142188-B-16-B	UNK	08/24/22 12:49:36 pm	0.263	4415	1.87			N/A
180-142188-B-16-C MS	UNK	08/24/22 12:50:39 pm	1.107	15047	1.83			N/A
180-142188-B-16-D MSD	UNK	08/24/22 12:51:41 pm	1.135	15410	2.63			N/A
CCV 180-409764/10-A	CCV	08/24/22 12:52:45 pm	4.766	61157	1.68			95.33
CCB 180-409764/11-A	CCB	08/24/22 12:54:55 pm	-0.007	1020	23.24			N/A
180-142188-B-17-D	UNK	08/24/22 12:55:58 pm	0.084	2165	3.50			N/A
180-142188-A-18-B	UNK	08/24/22 12:57:00 pm	0.089	2226	4.08			N/A
180-143248-A-2-A@100	UNK	08/24/22 12:58:03 pm	3.184	41226	1.74			N/A
MB 180-409672/1-A	MB	08/24/22 12:59:06 pm	-0.040	597	2.92			N/A
LCS 180-409672/2-A	LCS	08/24/22 01:00:08 pm	2.218	29045	1.62			88.71
180-143089-F-1-C	UNK	08/24/22 01:01:09 pm	0.958	13175	1.43			N/A
180-143089-F-2-C	UNK	08/24/22 01:02:11 pm	14.137	179216	1.69		O	N/A
180-143089-F-3-C	UNK	08/24/22 01:06:33 pm	0.643	9208	1.83			N/A
180-143089-F-4-C	UNK	08/24/22 01:07:35 pm	0.626	8987	1.91			N/A
180-143089-F-5-G	UNK	08/24/22 01:08:37 pm	2.906	37723	1.63			N/A
CCV 180-409764/10-A	CCV	08/24/22 01:09:41 pm	4.739	60806	1.41			94.77
CCB 180-409764/11-A	CCB	08/24/22 01:11:57 pm	-0.004	1049	56.98			N/A
180-143089-F-5-H MS	UNK	08/24/22 01:12:59 pm	3.866	49807	1.78			N/A
180-143089-F-5-I MSD	UNK	08/24/22 01:14:02 pm	4.021	51760	1.30			N/A
180-143089-F-6-D	UNK	08/24/22 01:15:04 pm	1.897	25002	1.62			N/A
180-143089-F-7-D	UNK	08/24/22 01:16:07 pm	0.419	6379	1.72			N/A
180-143089-G-8-A	UNK	08/24/22 01:17:10 pm	0.153	3037	3.17			N/A
180-143089-G-9-A	UNK	08/24/22 01:18:12 pm	0.076	2059	4.84			N/A
180-143089-G-10-A	UNK	08/24/22 01:19:14 pm	0.067	1953	4.85			N/A
180-143089-G-11-A	UNK	08/24/22 01:20:16 pm	0.059	1855	4.92			N/A
180-143089-G-12-A	UNK	08/24/22 01:21:18 pm	0.031	1501	4.49			N/A
180-143089-G-13-A	UNK	08/24/22 01:22:19 pm	2.563	33402	1.91			N/A
CCV 180-409764/10-A	CCV	08/24/22 01:23:24 pm	4.715	60502	1.76			94.29
CCB 180-409764/11-A	CCB	08/24/22 01:25:21 pm	-0.006	1026	28.00			N/A
180-143089-G-14-A	UNK	08/24/22 01:26:23 pm	1.832	24185	1.94			N/A
180-143089-G-15-L	UNK	08/24/22 01:27:25 pm	0.125	2679	2.66			N/A
180-143072-G-1-B	UNK	08/24/22 01:28:27 pm	0.336	5336	2.51			N/A
180-143072-G-2-B	UNK	08/24/22 01:29:29 pm	0.139	2853	2.78			N/A
180-143072-G-3-B	UNK	08/24/22 01:30:32 pm	0.036	1564	6.25			N/A
180-143072-G-4-B	UNK	08/24/22 01:31:34 pm	2.529	32969	1.54			N/A
180-143072-G-5-B	UNK	08/24/22 01:32:37 pm	11.469	145599	1.56		O	N/A
MB 180-409675/1-A	MB	08/24/22 01:35:09 pm	-0.044	550	1.73			N/A
LCS 180-409675/2-A	LCS	08/24/22 01:36:10 pm	2.305	30151	1.55			92.22
180-143252-G-1-E	UNK	08/24/22 01:37:12 pm	0.751	10567	2.56			N/A
CCV 180-409764/10-A	CCV	08/24/22 01:38:17 pm	4.704	60367	1.58			94.08
CCB 180-409764/11-A	CCB	08/24/22 01:40:21 pm	-0.006	1034	29.72			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-143252-F-2-E	UNK	08/24/22 01:41:23 pm	8.190	104281	1.79			N/A
180-143252-G-3-D	UNK	08/24/22 01:43:37 pm	1.648	21867	1.49			N/A
180-143252-G-4-D	UNK	08/24/22 01:44:39 pm	0.828	11534	1.70			N/A
180-143252-G-5-D	UNK	08/24/22 01:45:41 pm	1.418	18971	3.13			N/A
180-143252-A-5-G MS	UNK	08/24/22 01:46:43 pm	2.622	34133	1.84			N/A
180-143252-A-5-H MSD	UNK	08/24/22 01:47:45 pm	2.371	30981	1.82			N/A
180-143252-G-6-D	UNK	08/24/22 01:48:48 pm	3.489	45065	0.98			N/A
180-143252-G-7-D	UNK	08/24/22 01:49:50 pm	2.768	35984	1.51			N/A
180-143252-G-8-D	UNK	08/24/22 01:50:53 pm	1.175	15914	1.81			N/A
180-143252-G-9-D	UNK	08/24/22 01:51:56 pm	2.260	29576	1.83			N/A
CCV 180-409764/10-A	CCV	08/24/22 01:53:01 pm	4.708	60421	1.74			94.16
CCB 180-409764/11-A	CCB	08/24/22 01:54:52 pm	-0.009	995	21.22			N/A
180-143252-G-10-D	UNK	08/24/22 01:55:55 pm	39.428	497845	1.36		O	N/A
180-143252-G-11-D	UNK	08/24/22 01:57:59 pm	2.729	35492	1.79			N/A
180-143252-G-12-D	UNK	08/24/22 01:59:01 pm	2.734	35545	0.85			N/A
180-143252-G-13-D	UNK	08/24/22 02:00:03 pm	8.560	108952	1.16			N/A
180-143252-G-14-D	UNK	08/24/22 02:01:47 pm	27.817	351562	1.29		O	N/A
180-143252-G-15-D	UNK	08/24/22 02:03:33 pm	6.591	84148	0.68			N/A
180-143252-G-16-D	UNK	08/24/22 02:05:20 pm	113.850	1435455	0.24		O	N/A
180-143252-G-17-D	UNK	08/24/22 02:18:42 pm	43.435	548328	1.64		O	N/A
180-143252-G-18-D	UNK	08/24/22 02:21:52 pm	1.512	20157	1.67			N/A
180-143252-G-19-D	UNK	08/24/22 02:22:55 pm	2.655	34556	1.27			N/A
CCV 180-409764/10-A	CCV	08/24/22 02:32:11 pm	4.747	60913	1.44			94.94
CCB 180-409764/11-A	CCB	08/24/22 02:34:24 pm	-0.006	1030	23.92			N/A
MB 180-409708/1-A	MB	08/24/22 02:35:26 pm	-0.056	398	2.50			N/A
LCS 180-409708/2-A	LCS	08/24/22 02:36:29 pm	2.231	29215	1.45			89.25
180-143075-A-2-A@100	UNK	08/24/22 02:37:32 pm	0.681	9684	1.45			N/A
180-143252-G-15-E	UNK	08/24/22 02:38:34 pm	5.103	65398	1.84			N/A
180-143252-G-16-E	UNK	08/24/22 02:40:45 pm	116.960	1474645	0.25		O	N/A
180-143252-G-17-E	UNK	08/24/22 02:55:56 pm	49.181	620711	1.44		O	N/A
180-142292-C-1-K	UNK	08/24/22 03:02:02 pm	60.331	761190	1.31		O	N/A
180-142292-C-1-L MS	UNK	08/24/22 03:05:44 pm	-0.082	69	1.47			N/A
180-142292-C-1-K@25	UNK	08/24/22 03:09:37 pm	2.932	38040	1.98			N/A
180-142292-C-1-L MS@25	UNK	08/24/22 03:10:39 pm	2.908	37746	2.19			N/A
CCV 180-409764/10-A	CCV	08/24/22 03:14:47 pm	4.724	60626	1.60			94.49
CCB 180-409764/11-A	CCB	08/24/22 03:17:00 pm	-0.007	1022	19.44			N/A
180-142292-C-1-M MSD@25	UNK	08/24/22 03:18:02 pm	3.113	40327	2.00			N/A
180-143180-G-1-A	UNK	08/24/22 03:19:05 pm	76.824	968981	1.97		O	N/A
180-142862-C-1-B	UNK	08/24/22 03:22:49 pm	0.239	4119	2.34			N/A
180-142760-A-1-A	UNK	08/24/22 03:25:51 pm	0.215	3813	2.18			N/A
180-142760-B-2-A	UNK	08/24/22 03:26:54 pm	0.054	1781	7.42			N/A
180-142760-B-3-A	UNK	08/24/22 03:27:56 pm	0.015	1300	17.98			N/A
180-143097-F-1-D	UNK	08/24/22 03:28:59 pm	0.821	11451	2.12			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	% Recovery
180-143097-F-2-A	UNK	08/24/22 03:30:01 pm	0.717	10134	1.91			N/A
180-143097-G-3-D	UNK	08/24/22 03:31:04 pm	0.859	11932	2.09			N/A
180-143097-G-4-D	UNK	08/24/22 03:32:07 pm	-0.044	551	1.55			N/A
CCV 180-409764/10-A	CCV	08/24/22 03:33:11 pm	4.682	60091	1.59			93.64
CCB 180-409764/11-A	CCB	08/24/22 03:35:15 pm	-0.002	1078	101.78			N/A
180-143097-G-5-D	UNK	08/24/22 03:36:18 pm	0.932	12846	1.66			N/A
180-143097-G-6-D	UNK	08/24/22 03:37:21 pm	0.179	3359	2.28			N/A
180-143150-A-2-A@100	UNK	08/24/22 03:38:23 pm	0.462	6927	2.21			N/A
180-143077-A-2-A@100	UNK	08/24/22 03:39:26 pm	2.288	29927	2.19			N/A
MB 180-409709/1-A	MB	08/24/22 03:40:29 pm	-0.046	528	3.97			N/A
LCS 180-409709/2-A	LCS	08/24/22 03:41:32 pm	2.201	28839	1.86			88.05
500-220510-B-1-D	UNK	08/24/22 03:42:34 pm	0.073	2025	4.27			N/A
500-220510-B-2-B	UNK	08/24/22 03:43:37 pm	0.022	1383	10.39			N/A
500-220510-B-4-B	UNK	08/24/22 03:44:40 pm	0.046	1683	8.31			N/A
500-220510-B-5-B	UNK	08/24/22 03:45:43 pm	0.030	1481	7.65			N/A
CCV 180-409764/10-A	CCV	08/24/22 03:46:47 pm	4.683	60099	1.82			93.65
CCB 180-409764/11-A	CCB	08/24/22 03:48:59 pm	-0.004	1057	52.25			N/A
500-220510-B-8-B	UNK	08/24/22 03:50:02 pm	0.268	4484	2.43			N/A
500-220510-B-9-C	UNK	08/24/22 03:51:05 pm	0.049	1725	7.83			N/A
500-220510-B-11-B	UNK	08/24/22 03:52:07 pm	0.102	2393	3.59			N/A
500-220510-B-12-B	UNK	08/24/22 03:53:10 pm	0.051	1746	6.37			N/A
500-220510-B-14-B	UNK	08/24/22 03:54:13 pm	0.044	1658	5.50			N/A
500-220510-B-15-B	UNK	08/24/22 03:55:15 pm	0.105	2423	4.02			N/A
500-220510-B-17-B	UNK	08/24/22 03:56:18 pm	0.055	1794	6.95			N/A
500-220510-B-18-B	UNK	08/24/22 03:57:21 pm	0.022	1388	6.17			N/A
500-220510-B-20-B	UNK	08/24/22 03:58:24 pm	0.049	1719	7.42			N/A
500-220510-B-20-C MS	UNK	08/24/22 03:59:27 pm	0.982	13477	2.01			N/A
CCV 180-409764/10-A	CCV	08/24/22 04:00:31 pm	4.664	59870	1.75			93.29
CCB 180-409764/11-A	CCB	08/24/22 04:01:36 pm	-0.010	986	25.14			N/A
500-220510-B-20-D MSD	UNK	08/24/22 04:02:39 pm	0.891	12338	2.12			N/A
500-220510-B-21-B	UNK	08/24/22 04:03:41 pm	0.019	1346	10.36			N/A
500-220510-B-23-B	UNK	08/24/22 04:04:44 pm	0.080	2120	2.97			N/A
500-220510-B-24-B	UNK	08/24/22 04:05:47 pm	0.098	2336	3.48			N/A
500-220510-B-26-B	UNK	08/24/22 04:06:50 pm	0.065	1923	4.49			N/A
180-142292-C-1-J@25	UNK	08/24/22 04:07:53 pm	2.899	37628	2.02			N/A
180-143089-F-2-C@10	UNK	08/24/22 04:08:55 pm	1.362	18270	2.16			N/A
180-143072-G-5-B@10	UNK	08/24/22 04:09:58 pm	1.141	15488	2.11			N/A
180-143252-G-10-D@10	UNK	08/24/22 04:11:01 pm	4.279	55016	2.03			N/A
180-143252-G-14-D@10	UNK	08/24/22 04:12:04 pm	2.906	37716	1.83			N/A
CCV 180-409764/10-A	CCV	08/24/22 04:13:08 pm	4.670	59948	1.87			93.41
CCB 180-409764/11-A	CCB	08/24/22 04:14:13 pm	-0.008	1010	17.01			N/A
180-143252-G-16-D@100	UNK	08/24/22 04:15:16 pm	3.387	43775	2.08			N/A
180-143252-G-16-D@500	UNK	08/24/22 04:16:19 pm	0.632	9067	2.24			N/A

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Residual	Flags	% Recovery
180-143252-G-17-D@10	UNK	08/24/22 04:17:22 pm	4.907	62930	1.61			N/A
180-143180-G-1-A@25	UNK	08/24/22 04:19:29 pm	4.531	58195	1.99			N/A
CCV 180-409764/10-A	CCV	08/24/22 04:20:33 pm	4.654	59743	1.89			93.08
CCB 180-409764/11-A	CCB	08/24/22 04:21:38 pm	-0.009	990	7.23			N/A
CRA 180-409764/9-A	CRDL	08/24/22 04:22:42 pm	0.207	3716	2.02			103.58
CCV 180-409764/10-A	CCV	08/24/22 04:23:46 pm	4.670	59938	1.73			93.40
CCB 180-409764/11-A	CCB	08/24/22 04:24:50 pm	-0.008	1006	33.27			N/A

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1

SDG No.: _____

Project: Vo Toys - Harrison, NJ

Client Sample ID

TI-NA-FL-D-2207270900

TI-NA-FL-D-2207270900

Lab Sample ID

180-142292-1

180-142292-2

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 180-142292-1

SDG No.: _____

Project: Vo Toys - Harrison, NJ

Client Sample ID
TI-NA-FL-D-2207270900

Lab Sample ID
180-142292-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TI-NA-FL-D-2207270900 Lab Sample ID: 180-142292-1
Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG ID.: _____
Matrix: Solid Date Sampled: 07/27/2022 09:00
Reporting Basis: DRY Date Received: 08/02/2022 09:10
% Solids: 92.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Oil & Grease (HEM)	1600	180	78	mg/Kg			1	EPA 9071B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: WET

Date Received: 08/02/2022 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Ignitability	>140			Degrees F			1	EPA 1020B
	pH	8.0	0.1	0.1	SU		HF	1	EPA 9045D
	Free Liquid	CNF			NONE			1	EPA 9095B
	Total Volatile Solids	1.8	0.50	0.50	%			1	SM 2540G
	Total Solids	89	0.50	0.50	%			1	SM 2540G

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - TCLP

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: WET

Date Received: 08/02/2022 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TCLP pH Post-Leach	7.0	0.1	0.1	SU		!	1	1311

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - ASTM LEACH

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Pittsburgh

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: WET

Date Received: 08/02/2022 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia, distilled	ND	0.10	0.088	mg/L			1	EPA 350.1
	Chemical Oxygen Demand	ND	10	9.1	mg/L			1	EPA 410.4
	Oil & Grease (HEM)	ND	4.7	4.0	mg/L			1	EPA 1664B
	Total Solids	56	20	20	mg/L			1	SM 2540B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TI-NA-FL-D-2207270900

Lab Sample ID: 180-142292-1

Lab Name: Eurofins Edison

Job No.: 180-142292-1

SDG ID.:

Matrix: Solid

Date Sampled: 07/27/2022 09:00

Reporting Basis: WET

Date Received: 08/02/2022 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Reactive	ND	25	25	mg/Kg			1	9014
	Sulfide, Reactive	ND	20	20	mg/Kg			1	9034

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Analyst: SNR Batch Start Date: 08/06/2022
Reporting Units: mg/L Analytical Batch No.: 407750

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	ICV	10:40	Ammonia, distilled	0.255	0.250	102	90-110	20	PPM NH3 S_00336
13	ICB	10:42	Ammonia, distilled	ND					
14	CCV	10:44	Ammonia, distilled	0.511	0.500	102	90-110	20	PPM NH3 P_00340
15	CCB	10:46	Ammonia, distilled	ND					
26	CCV	11:08	Ammonia, distilled	0.514	0.500	103	90-110	20	PPM NH3 P_00340
27	CCB	11:10	Ammonia, distilled	ND					
38	CCV	11:32	Ammonia, distilled	0.516	0.500	103	90-110	20	PPM NH3 P_00340
39	CCB	11:34	Ammonia, distilled	ND					
50	CCV	11:56	Ammonia, distilled	0.518	0.500	104	90-110	20	PPM NH3 P_00340
51	CCB	11:58	Ammonia, distilled	ND					

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 Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Analyst: ELS Batch Start Date: 08/04/2022
 Reporting Units: mg/L Analytical Batch No.: 407534

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	17:36	Chemical Oxygen Demand	71.5	75.0	95	90-110		WCODLL ICVLCS 00732
10	ICB	17:36	Chemical Oxygen Demand	ND					
33	CCV	17:45	Chemical Oxygen Demand	82.2	75.0	110	90-110		WCODLL CCV_00724
34	CCB	17:46	Chemical Oxygen Demand	ND					
45	CCV	17:50	Chemical Oxygen Demand	70.0	75.0	93	90-110		WCODLL CCV_00724
46	CCB	17:51	Chemical Oxygen Demand	ND					
57	CCV	17:55	Chemical Oxygen Demand	75.0	75.0	100	90-110		WCODLL CCV_00724
58	CCB	17:55	Chemical Oxygen Demand	ND					
69	CCV	18:00	Chemical Oxygen Demand	74.3	75.0	99	90-110		WCODLL CCV_00724
70	CCB	18:00	Chemical Oxygen Demand	ND					
81	CCV	18:05	Chemical Oxygen Demand	71.5	75.0	95	90-110		WCODLL CCV_00724
82	CCB	18:05	Chemical Oxygen Demand	ND					
91	CCV	18:09	Chemical Oxygen Demand	81.5	75.0	109	90-110		WCODLL CCV_00724
92	CCB	18:09	Chemical Oxygen Demand	ND					

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 Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Analyst: ELS Batch Start Date: 08/16/2022
Reporting Units: SU Analytical Batch No.: 408912

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	17:03	pH	7.0	7.00	100	99-101		WpHBuffer7P_00042

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 407626 Date: 08/05/2022 09:59 Prep Batch: 407619 Date: 08/05/2022 09:34							
EPA 1664B	MB 180-407619/1-A	Oil & Grease (HEM)	ND		mg/L	5.0	1
Batch ID: 407750 Date: 08/06/2022 10:50							
EPA 350.1	MB 180-407750/17	Ammonia, distilled	ND		mg/L	0.10	1
Batch ID: 407534 Date: 08/04/2022 17:47 Prep Batch: 407500 Date: 08/04/2022 13:22							
EPA 410.4	MB 180-407500/36-A	Chemical Oxygen Demand	ND		mg/L	10	1
Batch ID: 407534 Date: 08/04/2022 17:56 Prep Batch: 407500 Date: 08/04/2022 13:22							
EPA 410.4	MB 180-407500/60-A	Chemical Oxygen Demand	ND		mg/L	10	1
Batch ID: 407534 Date: 08/04/2022 18:06 Prep Batch: 407500 Date: 08/04/2022 13:22							
EPA 410.4	MB 180-407500/84-A	Chemical Oxygen Demand	ND		mg/L	10	1
Batch ID: 407437 Date: 08/04/2022 02:45 Prep Batch: 407317 Date: 08/04/2022 02:45							
EPA 9071B	MB 180-407317/1-A	Oil & Grease (HEM)	ND		mg/Kg	170	1
Batch ID: 408228 Date: 08/10/2022 16:53							
SM 2540B	MB 180-408228/1	Total Solids	ND		mg/L	10	1

3-IN
TCLP SPLPE LEACHATE BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 407626 Date: 08/05/2022 09:59 Prep Batch: 407619 Date: 08/05/2022 09:34							
EPA 1664B	LB 180-407372/1-C	Oil & Grease (HEM)	ND		mg/L	4.7	1
Batch ID: 407750 Date: 08/06/2022 11:22							
EPA 350.1	LB 180-407372/1-A	Ammonia, distilled	ND		mg/L	0.10	1
Batch ID: 407534 Date: 08/04/2022 17:59 Prep Batch: 407500 Date: 08/04/2022 13:22							
EPA 410.4	LB 180-407372/1-B	Chemical Oxygen Demand	ND		mg/L	10	1
Batch ID: 407534 Date: 08/04/2022 18:01 Prep Batch: 407500 Date: 08/04/2022 13:22							
EPA 410.4	LB 180-407476/1-B	Chemical Oxygen Demand	ND		mg/L	100	1
Batch ID: 408228 Date: 08/10/2022 16:53							
SM 2540B	LB 180-407372/1-A	Total Solids	ND		mg/L	10	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 862206 Date: 08/19/2022 16:45 Prep Batch: 862202 Date: 08/19/2022 16:35	9014 MB 460-862202/1-A	Cyanide, Reactive	ND		mg/Kg	25	1
Batch ID: 862205 Date: 08/19/2022 16:42 Prep Batch: 862199 Date: 08/19/2022 16:30	9034 MB 460-862199/1-A	Sulfide, Reactive	ND		mg/Kg	20	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 407437 Date: 08/04/2022 02:45 Prep Batch: 407317 Date: 08/04/2022 02:45											
EPA 9071B	180-142292-1	Oil & Grease (HEM)	1600		mg/Kg						
EPA 9071B	180-142292-1	Oil & Grease (HEM)	2730		mg/Kg	1410	84	78-114			
	MS										

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 407437 Date: 08/04/2022 02:45 Prep Batch: 407317 Date: 08/04/2022 02:45											
EPA 9071B	180-142292-1	Oil & Grease (HEM)	2870		mg/Kg	1410	94	78-114	5	18	
	MSD										

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 407339 Date: 08/03/2022 12:31								
EPA 1020B	TI-NA-FL-D-2207270 900	180-142292-1	Ignitability	>140	Degree s F			
EPA 1020B	TI-NA-FL-D-2207270 900	180-142292-1 DU	Ignitability	>140	Degree s F	NC	20	

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 407534 Date: 08/04/2022 18:01 Prep Batch: 407500 Date: 08/04/2022 13:22 LCS Source: WCODLL ICVLCS_00732											
EPA 410.4	LCS 180-407476/2-B	Chemical Oxygen Demand	770		mg/L	728	106	90-110			
Batch ID: 408912 Date: 08/16/2022 16:11 LCS Source: WpHBuffer7CCV_00082											
EPA 9045D	LCS 180-408912/1	pH	7.0		SU	7.00	100	99-101			
Batch ID: 407437 Date: 08/04/2022 02:45 Prep Batch: 407317 Date: 08/04/2022 02:45 LCS Source: WHemPSP_00272											
EPA 9071B	LCS 180-407317/2-A	Oil & Grease (HEM)	1260		mg/Kg	1330	95	78-114			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
SDG No.: _____
Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 407626 Date: 08/05/2022 09:59 Prep Batch: 407619 Date: 08/05/2022 09:34 LCS Source: WHemPSP_00273											
EPA 1664B	LCS 180-407619/2-A	Oil & Grease (HEM)	36.6		mg/L	39.8	92	78-114	5	18	
Batch ID: 407750 Date: 08/06/2022 10:52 LCS Source: 20 PPM NH3 S_00336											
EPA 350.1	LCS 180-407750/18	Ammonia, distilled	0.516		mg/L	0.500	103	90-110			
Batch ID: 407534 Date: 08/04/2022 17:56 Prep Batch: 407500 Date: 08/04/2022 13:22 LCS Source: WCODLL ICVLCS_00732											
EPA 410.4	LCS 180-407500/59-A	Chemical Oxygen Demand	77.2		mg/L	75.0	103	90-110			
Batch ID: 407534 Date: 08/04/2022 18:05 Prep Batch: 407500 Date: 08/04/2022 13:22 LCS Source: WCODLL ICVLCS_00732											
EPA 410.4	LCS 180-407500/83-A	Chemical Oxygen Demand	72.9		mg/L	75.0	97	90-110			
Batch ID: 408228 Date: 08/10/2022 16:53 LCS Source: WResPSP_00085											
SM 2540B	LCS 180-408228/2	Total Solids	226		mg/L	243	93	85-115	5	20	

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 407626 Date: 08/05/2022 09:59 Prep Batch: 407619 Date: 08/05/2022 09:34											
LCSD Source: WHemPSP_00273											
EPA 1664B	LCSD 180-407619/3-A	Oil & Grease (HEM)	34.9		mg/L	39.8	88	78-114	5	18	
Batch ID: 408228 Date: 08/10/2022 16:53											
LCSD Source: WResPSP_00085											
SM 2540B	LCSD 180-408228/3	Total Solids	214		mg/L	243	88	85-115	5	20	

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 862206 Date: 08/19/2022 16:45 Prep Batch: 862202 Date: 08/19/2022 16:35											
LCS Source: WTcreacSP_00034											
9014	LCS 460-862202/2- A	Cyanide, Reactive	ND		mg/Kg	40.0	12	10-100			

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

FORM VIIA-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 862205 Date: 08/19/2022 16:42 Prep Batch: 862199 Date: 08/19/2022 16:30											
LCS Source: WTsfileLCS_00084											
9034	LCSSRM 460-862199/3-A	Sulfide, Reactive	64.1		mg/Kg	70.9	90.4	46.7-14 2.5			

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: BLUE-ASTORIA
Method: EPA 350.1 MDL Date: 06/12/2019 16:47
Leach Method: D3987-85

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Ammonia, distilled		0.1	0.0879

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: BLUE-ASTORIA
Method: EPA 350.1 XMDL Date: 06/12/2019 16:47

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia, distilled		0.1	0.0879

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: GENESYS10S
Method: EPA 410.4 MDL Date: 11/26/2018 11:06
Prep Method: 410.4
Leach Method: D3987-85

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chemical Oxygen Demand		10	9.05

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: GENESYS10S
Method: EPA 410.4 XMDL Date: 11/26/2018 11:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		10	9.05

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - TCLP

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 1311 RL Date: 07/09/2019 10:56

Analyte	Wavelength/ Mass	RL (SU)	
TCLP pH Post-Leach		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - TCLP

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 1311 XRL Date: 07/09/2019 10:57

Analyte	Wavelength/ Mass	XRL (SU)	
TCLP pH Post-Leach		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 2540G RL Date: 01/31/2010 13:27

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 2540G XRL Date: 01/31/2010 13:31

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 1020B XRL Date: 01/07/2010 13:21

Analyte	Wavelength/ Mass	XRL (Degrees F)	
Ignitability		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh

Job Number: 180-142292-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: EPA 1020B

MDL Date: 06/01/2014 00:00

Analyte	Wavelength/ Mass	RL (Degrees F)	MDL (Degrees F)
Ignitability		1	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 1664B MDL Date: 11/12/2021 12:19
Prep Method: 1664B
Leach Method: D3987-85

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Oil & Grease (HEM)		5	4.32

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 1664B XMDL Date: 11/12/2021 12:19

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Oil & Grease (HEM)		5	4.32

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 9045D 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 Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 9045D XRL Date: 07/09/2019 10:57

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh

Job Number: 180-142292-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: EPA 9071B

MDL Date: 02/27/2017 16:54

Prep Method: 9071B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Oil & Grease (HEM)		166.7	73.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: EPA 9071B XMDL Date: 01/27/2011 15:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Oil & Grease (HEM)		5	1.4986

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh

Job Number: 180-142292-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: EPA 9095B

RL Date: 12/01/2020 09:39

Analyte	Wavelength/ Mass	RL (NONE)	
Free Liquid		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: SM 2540B MDL Date: 01/28/2010 12:55
Leach Method: D3987-85

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Solids		10	10

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - ASTM LEACH

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: SM 2540B XMDL Date: 01/28/2010 12:56

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Solids		10	10

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: SM 2540G RL Date: 01/28/2011 14:19

Analyte	Wavelength/ Mass	RL (%)	
Total Solids		0.5	
Total Volatile Solids		0.5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: SM 2540G XRL Date: 01/28/2011 14:19

Analyte	Wavelength/ Mass	XRL (%)	
Total Solids		0.5	
Total Volatile Solids		0.5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9014 RL Date: 01/01/2007 12:22
Prep Method: 7.3.3

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Cyanide, Reactive		25	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9014 XRL Date: 01/07/2009 10:56

Analyte	Wavelength/ Mass	XRL (mg/L)	
Cyanide, Reactive		25	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9034 MDL Date: 04/16/2021 18:08
Prep Method: 7.3.4

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Sulfide, Reactive		20	11.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 180-142292-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9034 XRL Date: 01/07/2009 11:22

Analyte	Wavelength/ Mass	XRL (mg/L)	
Sulfide, Reactive		20	

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh

Job No: 180-142292-1

SDG No.: _____

Instrument ID: GENESYS10S

Date: 03/01/2021 09:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Chemical Oxygen Demand		150	EPA 410.4

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 410.4

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-407500/36-A	08/04/2022 13:22	407500		1	1
LCS 180-407500/59-A	08/04/2022 13:22	407500		1	1
MB 180-407500/60-A	08/04/2022 13:22	407500		1	1
LB 180-407372/1-B	08/04/2022 13:22	407500		1	1
180-142292-1	08/04/2022 13:22	407500		1	1
LB 180-407476/1-B	08/04/2022 13:22	407500		1	1
LCS 180-407476/2-B	08/04/2022 13:22	407500		1	1
LCS 180-407500/83-A	08/04/2022 13:22	407500		1	1
MB 180-407500/84-A	08/04/2022 13:22	407500		1	1

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 9071B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (g)
MB 180-407317/1-A	08/04/2022 02:45	407317	30.0		30.0
LCS 180-407317/2-A	08/04/2022 02:45	407317	30.0		30.0
180-142292-1 MS	08/04/2022 02:45	407317	30.46		30.0
180-142292-1 MSD	08/04/2022 02:45	407317	30.47		30.0
180-142292-1	08/04/2022 02:45	407317	30.44		30.0

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Prep Method: 1664B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-407619/1-A	08/05/2022 09:34	407619		1000	1000
LCS 180-407619/2-A	08/05/2022 09:34	407619		1000	1000
LCSD 180-407619/3-A	08/05/2022 09:34	407619		1000	1000
LB 180-407372/1-C	08/05/2022 09:34	407619		1070	1000
180-142292-1	08/05/2022 09:34	407619		1070	1000

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Prep Method: 7.3.4

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-862199/1-A	08/19/2022 16:30	862199	10		50
LCSSRM 460-862199/3-A	08/19/2022 16:30	862199	10		50
180-142292-1	08/19/2022 16:30	862199	10		50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Prep Method: 7.3.3

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-862202/1-A	08/19/2022 16:35	862202	10		50
LCS 460-862202/2-A	08/19/2022 16:35	862202	10		50
180-142292-1	08/19/2022 16:35	862202	10		50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: BLUE-ASTORIA Analysis Method: EPA 350.1
 Start Date: 08/06/2022 10:20 End Date: 08/06/2022 13:08

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N H 3																									
ZZZZZZ			10:20																										
ZZZZZZ			10:20																										
ZZZZZZ			10:22																										
ZZZZZZ			10:24																										
ZZZZZZ			10:26																										
ZZZZZZ			10:28																										
ZZZZZZ			10:30																										
ZZZZZZ			10:32																										
ZZZZZZ			10:34																										
ZZZZZZ			10:36																										
ZZZZZZ			10:38																										
ICV 180-407750/12	1		10:40	X																									
ICB 180-407750/13	1		10:42	X																									
CCV 180-407750/14	1		10:44	X																									
CCB 180-407750/15	1		10:46	X																									
ZZZZZZ			10:48																										
MB 180-407750/17	1	T	10:50	X																									
LCS 180-407750/18	1	T	10:52	X																									
ZZZZZZ			10:54																										
ZZZZZZ			10:56																										
ZZZZZZ			10:58																										
ZZZZZZ			11:00																										
ZZZZZZ			11:02																										
ZZZZZZ			11:04																										
ZZZZZZ			11:06																										
CCV 180-407750/26	1		11:08	X																									
CCB 180-407750/27	1		11:10	X																									
ZZZZZZ			11:12																										
ZZZZZZ			11:14																										
ZZZZZZ			11:16																										
ZZZZZZ			11:18																										
ZZZZZZ			11:20																										
LB 180-407372/1-A	1	Y	11:22	X																									
ZZZZZZ			11:24																										
ZZZZZZ			11:26																										
ZZZZZZ			11:28																										
ZZZZZZ			11:30																										
CCV 180-407750/38	1		11:32	X																									
CCB 180-407750/39	1		11:34	X																									
ZZZZZZ			11:36																										
180-142292-1	1	Y	11:38	X																									

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: BLUE-ASTORIA Analysis Method: EPA 350.1
 Start Date: 08/06/2022 10:20 End Date: 08/06/2022 13:08

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N H 3																									
ZZZZZZ			11:40																										
ZZZZZZ			11:42																										
ZZZZZZ			11:44																										
ZZZZZZ			11:46																										
ZZZZZZ			11:48																										
ZZZZZZ			11:50																										
ZZZZZZ			11:52																										
ZZZZZZ			11:54																										
CCV 180-407750/50	1		11:56	X																									
CCB 180-407750/51	1		11:58	X																									
ZZZZZZ			12:00																										
ZZZZZZ			12:02																										
ZZZZZZ			12:04																										
ZZZZZZ			12:06																										
ZZZZZZ			12:08																										
ZZZZZZ			12:10																										
ZZZZZZ			12:12																										
ZZZZZZ			12:14																										
ZZZZZZ			12:16																										
ZZZZZZ			12:18																										
CCV 180-407750/62			12:20																										
CCB 180-407750/63			12:22																										
ZZZZZZ			12:24																										
ZZZZZZ			12:26																										
ZZZZZZ			12:28																										
ZZZZZZ			12:30																										
ZZZZZZ			12:32																										
ZZZZZZ			12:34																										
ZZZZZZ			12:36																										
ZZZZZZ			12:38																										
ZZZZZZ			12:40																										
ZZZZZZ			12:42																										
CCV 180-407750/74			12:44																										
CCB 180-407750/75			12:46																										
ZZZZZZ			12:48																										
ZZZZZZ			12:50																										
ZZZZZZ			12:52																										
ZZZZZZ			12:54																										
ZZZZZZ			12:56																										
ZZZZZZ			12:58																										
ZZZZZZ			13:00																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: BLUE-ASTORIA Analysis Method: EPA 350.1

Start Date: 08/06/2022 10:20 End Date: 08/06/2022 13:08

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				NH3																									
ZZZZZZ			13:02																										
CCV 180-407750/84			13:04																										
CCB 180-407750/85			13:06																										
ZZZZZZ			13:08																										

Prep Types: _____
T = Total/NA
Y = ASTM Leach

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: GENESYS10S Analysis Method: EPA 410.4
 Start Date: 08/04/2022 17:33 End Date: 08/04/2022 18:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				C O D																									
IC 180-407500/1-A	1		17:33	X																									
IC 180-407500/2-A	1		17:33	X																									
IC 180-407500/3-A	1		17:33	X																									
IC 180-407500/4-A	1		17:34	X																									
IC 180-407500/5-A	1		17:34	X																									
IC 180-407500/6-A	1		17:35	X																									
IC 180-407500/7-A	1		17:35	X																									
IC 180-407500/8-A	1		17:35	X																									
ICV 180-407500/9-A	1		17:36	X																									
ICB 180-407500/10-A	1		17:36	X																									
ZZZZZZ			17:37																										
ZZZZZZ			17:37																										
ZZZZZZ			17:37																										
ZZZZZZ			17:38																										
ZZZZZZ			17:38																										
ZZZZZZ			17:39																										
ZZZZZZ			17:39																										
ZZZZZZ			17:39																										
ZZZZZZ			17:40																										
ZZZZZZ			17:40																										
CCV 180-407500/21-A			17:41																										
CCB 180-407500/22-A			17:41																										
ZZZZZZ			17:41																										
ZZZZZZ			17:42																										
ZZZZZZ			17:42																										
ZZZZZZ			17:43																										
ZZZZZZ			17:43																										
ZZZZZZ			17:43																										
ZZZZZZ			17:44																										
ZZZZZZ			17:44																										
ZZZZZZ			17:45																										
ZZZZZZ			17:45																										
CCV 180-407500/33-A	1		17:45	X																									
CCB 180-407500/34-A	1		17:46	X																									
ZZZZZZ			17:46																										
MB 180-407500/36-A	1	T	17:47	X																									
ZZZZZZ			17:47																										
ZZZZZZ			17:47																										
ZZZZZZ			17:48																										
ZZZZZZ			17:48																										
ZZZZZZ			17:49																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: GENESYS10S Analysis Method: EPA 410.4
 Start Date: 08/04/2022 17:33 End Date: 08/04/2022 18:09

Lab Sample Id	D/F	Type	Time	Analytes																	
				COD																	
ZZZZZZ			17:49																		
ZZZZZZ			17:49																		
ZZZZZZ			17:50																		
CCV 180-407500/45-A	1		17:50	X																	
CCB 180-407500/46-A	1		17:51	X																	
ZZZZZZ			17:51																		
ZZZZZZ			17:51																		
ZZZZZZ			17:52																		
ZZZZZZ			17:52																		
ZZZZZZ			17:53																		
ZZZZZZ			17:53																		
ZZZZZZ			17:53																		
ZZZZZZ			17:54																		
ZZZZZZ			17:54																		
ZZZZZZ			17:55																		
CCV 180-407500/57-A	1		17:55	X																	
CCB 180-407500/58-A	1		17:55	X																	
LCS 180-407500/59-A	1	T	17:56	X																	
MB 180-407500/60-A	1	T	17:56	X																	
ZZZZZZ			17:57																		
ZZZZZZ			17:57																		
ZZZZZZ			17:57																		
ZZZZZZ			17:58																		
ZZZZZZ			17:58																		
LB 180-407372/1-B	1	Y	17:59	X																	
ZZZZZZ			17:59																		
180-142292-1	1	Y	17:59	X																	
CCV 180-407500/69-A	1		18:00	X																	
CCB 180-407500/70-A	1		18:00	X																	
LB 180-407476/1-B	1	Y	18:01	X																	
LCS 180-407476/2-B	1	Y	18:01	X																	
ZZZZZZ			18:01																		
ZZZZZZ			18:02																		
ZZZZZZ			18:02																		
ZZZZZZ			18:03																		
ZZZZZZ			18:03																		
ZZZZZZ			18:03																		
ZZZZZZ			18:04																		
ZZZZZZ			18:04																		
CCV 180-407500/81-A	1		18:05	X																	
CCB 180-407500/82-A	1		18:05	X																	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: GENESYS10S Analysis Method: EPA 410.4
 Start Date: 08/04/2022 17:33 End Date: 08/04/2022 18:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				C O D																									
LCS 180-407500/83-A	1	T	18:05	X																									
MB 180-407500/84-A	1	T	18:06	X																									
ZZZZZZ			18:06																										
ZZZZZZ			18:07																										
ZZZZZZ			18:07																										
ZZZZZZ			18:07																										
ZZZZZZ			18:08																										
ZZZZZZ			18:08																										
CCV 180-407500/91-A	1		18:09	X																									
CCB 180-407500/92-A	1		18:09	X																									

Prep Types: _____
 T = Total/NA
 Y = ASTM Leach

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: 1311

Start Date: 08/10/2022 19:23 End Date: 08/10/2022 19:23

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				T C L P H																									
180-142292-1	1	P	19:23	X																									

Prep Types: _____
P = TCLP

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: 2540G
 Start Date: 08/03/2022 17:56 End Date: 08/03/2022 17:56

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				% S o l	M o i s t																								
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
180-142292-2	1	T	17:56	X	X																								
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										
ZZZZZZ			17:56																										

Prep Types: _____
 T = Total/NA

Lab Name: Eurofins Pittsburgh	Job No.: 180-142292-1
SDG No.:	
Instrument ID: NOEQUIP	Analysis Method: 2540G
Start Date: 08/04/2022 18:01	End Date: 08/04/2022 18:01

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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: EPA 1020B

Start Date: 08/03/2022 12:25 End Date: 08/03/2022 12:55

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				I g n																									
180-142292-1	1	T	12:25	X																									
180-142292-1 DU	1	T	12:31	X																									
ZZZZZZ			12:37																										
ZZZZZZ			12:43																										
ZZZZZZ			12:49																										
ZZZZZZ			12:55																										

Prep Types: _____

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: EPA 1664B

Start Date: 08/05/2022 09:59 End Date: 08/05/2022 09:59

Lab Sample Id	D/F	T y p e	Time	Analytes																											
				H E M																											
MB 180-407619/1-A	1	T	09:59	X																											
LCS 180-407619/2-A	1	T	09:59	X																											
LCSD 180-407619/3-A	1	T	09:59	X																											
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
ZZZZZZ			09:59																												
LB 180-407372/1-C	1	Y	09:59	X																											
180-142292-1	1	Y	09:59	X																											

Prep Types:

T = Total/NA

Y = ASTM Leach

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: EPA 9045D
 Start Date: 08/16/2022 16:11 End Date: 08/16/2022 19:02

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				pH																									
LCS 180-408912/1	1	T	16:11	X																									
ZZZZZZ			16:15																										
ZZZZZZ			16:20																										
ZZZZZZ			16:25																										
ZZZZZZ			16:30																										
ZZZZZZ			16:34																										
ZZZZZZ			16:39																										
180-142292-1	1	T	16:44	X																									
ZZZZZZ			16:49																										
ZZZZZZ			16:53																										
ZZZZZZ			16:58																										
CCV 180-408912/12	1		17:03	X																									
ZZZZZZ			17:08																										
ZZZZZZ			17:12																										
ZZZZZZ			17:17																										
ZZZZZZ			17:22																										
ZZZZZZ			17:27																										
ZZZZZZ			17:31																										
ZZZZZZ			17:36																										
ZZZZZZ			17:41																										
ZZZZZZ			17:46																										
ZZZZZZ			17:50																										
CCV 180-408912/23			17:55																										
ZZZZZZ			18:00																										
ZZZZZZ			18:05																										
CCV 180-408912/26			18:09																										
ZZZZZZ			18:14																										
ZZZZZZ			18:19																										
ZZZZZZ			18:24																										
ZZZZZZ			18:28																										
ZZZZZZ			18:33																										
ZZZZZZ			18:38																										
ZZZZZZ			18:43																										
ZZZZZZ			18:47																										
ZZZZZZ			18:52																										
CCV 180-408912/36			18:57																										
ZZZZZZ			19:02																										

Prep Types: _____
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: EPA 9071B
 Start Date: 08/04/2022 02:45 End Date: 08/04/2022 02:45

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H E M																									
MB 180-407317/1-A	1	T	02:45	X																									
LCS 180-407317/2-A	1	T	02:45	X																									
180-142292-1 MS	1	T	02:45	X																									
180-142292-1 MSD	1	T	02:45	X																									
180-142292-1	1	T	02:45	X																									
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										
ZZZZZZ			02:45																										

Prep Types: _____
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: EPA 9095B

Start Date: 08/12/2022 11:00 End Date: 08/12/2022 11:40

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				P F																									
ZZZZZZ			11:00																										
ZZZZZZ			11:04																										
ZZZZZZ			11:08																										
ZZZZZZ			11:12																										
ZZZZZZ			11:16																										
ZZZZZZ			11:20																										
180-142292-1	1	T	11:24	X																									
ZZZZZZ			11:28																										
ZZZZZZ			11:32																										
ZZZZZZ			11:36																										
ZZZZZZ			11:40																										

Prep Types: _____
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: SM 2540B
 Start Date: 08/10/2022 16:53 End Date: 08/10/2022 16:53

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				T S																									
MB 180-408228/1	1	T	16:53	X																									
LCS 180-408228/2	1	T	16:53	X																									
LCSD 180-408228/3	1	T	16:53	X																									
ZZZZZZ			16:53																										
ZZZZZZ			16:53																										
ZZZZZZ			16:53																										
ZZZZZZ			16:53																										
LB 180-407372/1-A	1	Y	16:53	X																									
180-142292-1	1	Y	16:53	X																									

Prep Types: _____
 T = Total/NA
 Y = ASTM Leach

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: SM 2540G

Start Date: 08/03/2022 12:09 End Date: 08/03/2022 12:09

Lab Sample Id	D/F	T y p e	Time	Analytes																											
				T S	T V S																										
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
ZZZZZZ			12:09																												
180-142292-1	1	T	12:09	X	X																										

Prep Types: _____

T = Total/NA

Lab Name: Eurofins Edison	Job No.: 180-142292-1
SDG No.:	
Instrument ID: NOEQUIP	Analysis Method: 9014
Start Date: 08/19/2022 16:45	End Date: 08/19/2022 16:45

[illegible]

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: 9034

Start Date: 08/19/2022 16:42 End Date: 08/19/2022 16:42

[illegible]

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407372 Batch Start Date: 08/03/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: D3987-85 Batch End Date: 08/04/22 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Final pH			
LB 180-407372/1		D3987-85, EPA 350.1		100.0 g	2000 mL	5.76 SU			
180-142292-C-1	TI-NA-FL-D-22072 70900	D3987-85, EPA 350.1	Y	100.98 g	2000 mL	10.46 SU			

Batch Notes	
Balance ID	AND-14577823
Uncorrected Maximum Temperature	24.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	22 Degrees C
Minimum Temperature	22 Degrees C
Uncorrected Initial Room Temperature	21.0 Degrees C
Uncorrected Final Room Temperature	21.0 Degrees C
Initial Room Temperature	21.0 Degrees C
Final Room Temperature	21.0 Degrees C
Room Temperature Thermometer ID	FISHER-160719405
Rotator ID	# 5
Tumble Start Time	08/03/2022 18:00
Tumble End Time	08/04/2022 10:30
Tumbler Rotations per Minute	30

Basis	Basis Description
Y	ASTM Leach

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.

EPA 350.1

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407750 Batch Start Date: 08/06/22 10:20 Batch Analyst: Richart, Sabra NBatch Method: EPA 350.1 Batch End Date: 08/06/22 13:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	ClResPres	InitialAmount	FinalAmount	20 PPM NH3 P 00340	20 PPM NH3 S 00336	AnalysisComment
ICV 180-407750/12		EPA 350.1			10 mL	10 mL		0.125 mL	;350.1
ICB 180-407750/13		EPA 350.1							;350.1
CCV 180-407750/14		EPA 350.1			20 mL	20 mL	0.5 mL		;350.1
CCB 180-407750/15		EPA 350.1							;350.1
MB 180-407750/17		EPA 350.1							;350.1
LCS 180-407750/18		EPA 350.1			20 mL	20 mL		0.5 mL	;350.1
CCV 180-407750/26		EPA 350.1			20 mL	20 mL	0.5 mL		;350.1
CCB 180-407750/27		EPA 350.1							;350.1
LB 180-407372/1-A		EPA 350.1		no					;350.1
CCV 180-407750/38		EPA 350.1			20 mL	20 mL	0.5 mL		;350.1
CCB 180-407750/39		EPA 350.1							;350.1
180-142292-C-1-A	TI-NA-FL-D-22072 70900	EPA 350.1	Y	no					;350.1
CCV 180-407750/50		EPA 350.1			20 mL	20 mL	0.5 mL		;350.1
CCB 180-407750/51		EPA 350.1							;350.1

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407750 Batch Start Date: 08/06/22 10:20 Batch Analyst: Richart, Sabra NBatch Method: EPA 350.1 Batch End Date: 08/06/22 13:08

Batch Notes	
Residual Chlorine Indicator ID	3683746
Sodium Nitroprusside ID	4908371
Hypochlorite ID	4938538
EDTA Buffer ID	4959986
Potassium Sodium Tartrate ID	4887104
Carrier Identification	4870895
Sodium Salicylate ID	4908371
Pipette/Syringe/Dispenser ID	B711828347, C219018546, D1203663U
Batch Comment	1N NaOH 4839997

Basis	Basis Description
Y	ASTM Leach

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.

EPA 350.1

Page 2 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407372 Batch Start Date: 08/03/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: D3987-85 Batch End Date: 08/04/22 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Final pH			
LB 180-407372/1		D3987-85, 410.4, EPA 410.4		100.0 g	2000 mL	5.76 SU			
180-142292-C-1	TI-NA-FL-D-22072 70900	D3987-85, 410.4, EPA 410.4	Y	100.98 g	2000 mL	10.46 SU			

Batch Notes	
Balance ID	AND-14577823
Uncorrected Maximum Temperature	24.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	22 Degrees C
Minimum Temperature	22 Degrees C
Uncorrected Initial Room Temperature	21.0 Degrees C
Uncorrected Final Room Temperature	21.0 Degrees C
Initial Room Temperature	21.0 Degrees C
Final Room Temperature	21.0 Degrees C
Room Temperature Thermometer ID	FISHER-160719405
Rotator ID	# 5
Tumble Start Time	08/03/2022 18:00
Tumble End Time	08/04/2022 10:30
Tumbler Rotations per Minute	30

Basis	Basis Description
Y	ASTM Leach

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407476 Batch Start Date: 08/04/22 11:17 Batch Analyst: Shireman, Edwin LBatch Method: DI Leach Batch End Date: 08/04/22 12:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LB 180-407476/1		DI Leach, 410.4, EPA 410.4		10.01 g	100 mL				
LCS 180-407476/2		DI Leach, 410.4, EPA 410.4		10.30 g	100 mL				

Batch Notes	
Balance ID	1126472457
Uncorrected Initial Room Temperature	24 Degrees C
Initial Room Temperature	24 Degrees C
Uncorrected Final Room Temperature	24 Degrees C
Final Room Temperature	24 Degrees C
Room Temperature Thermometer ID	S/N: 221250157
Rotator ID	#1
Tumble Start Time	08/04/2022 11:40
Tumble End Time	08/04/2022 12:40

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407500 Batch Start Date: 08/04/22 13:22 Batch Analyst: Shireman, Edwin LBatch Method: 410.4 Batch End Date: 08/04/22 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCODLL CCV 00724	WCODLL ICVLCS 00732		
IC 180-407500/1		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/2		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/3		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/4		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/5		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/6		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/7		410.4, EPA 410.4		1 mL	1 mL				
IC 180-407500/8		410.4, EPA 410.4		1 mL	1 mL				
ICV 180-407500/9		410.4, EPA 410.4		1 mL	1 mL		1 mL		
ICB 180-407500/10		410.4, EPA 410.4		1 mL	1 mL				
CCV 180-407500/33		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/34		410.4, EPA 410.4		1 mL	1 mL				
MB 180-407500/36		410.4, EPA 410.4		1 mL	1 mL				
CCV 180-407500/45		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/46		410.4, EPA 410.4		1 mL	1 mL				
CCV 180-407500/57		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/58		410.4, EPA 410.4		1 mL	1 mL				
LCS 180-407500/59		410.4, EPA 410.4		1 mL	1 mL		1 mL		
MB 180-407500/60		410.4, EPA 410.4		1 mL	1 mL				
LB 180-407372/1-A		410.4, EPA 410.4		1 mL	1 mL				
180-142292-C-1-A	TI-NA-FL-D-22072 70900	410.4, EPA 410.4	Y	1 mL	1 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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407500 Batch Start Date: 08/04/22 13:22 Batch Analyst: Shireman, Edwin LBatch Method: 410.4 Batch End Date: 08/04/22 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCODLL CCV 00724	WCODLL ICVLCS 00732		
CCV 180-407500/69		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/70		410.4, EPA 410.4		1 mL	1 mL				
LB 180-407476/1-A		410.4, EPA 410.4		1 mL	1 mL				
LCS 180-407476/2-A		410.4, EPA 410.4		1 mL	1 mL		1 mL		
CCV 180-407500/81		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/82		410.4, EPA 410.4		1 mL	1 mL				
LCS 180-407500/83		410.4, EPA 410.4		1 mL	1 mL		1 mL		
MB 180-407500/84		410.4, EPA 410.4		1 mL	1 mL				
CCV 180-407500/91		410.4, EPA 410.4		1 mL	1 mL	1 mL			
CCB 180-407500/92		410.4, EPA 410.4		1 mL	1 mL				

Batch Notes	
Vial Lot Number	4919417
Block Digester ID	COD-C/ COD-D
Block Digestion Start time	13:22
Oven, Bath or Block Temperature 1	COD- C 150/ COD-D 150 Celsius
Block Digestion End time	15:22
Oven, Bath or Block Temperature 2	COD- C 150/ COD-D 150 Celsius
Sufficient Volume for Batch QC	YES
Uncorrected Temperature	150 Celsius
Temperature	150 Celsius
Pipette/Syringe/Dispenser ID	Q37629J/B912396927
Chloride Test Strip Lot #	HACH QUANTAB LOT: 2136 EXP: 04/2024
Batch Comment	16 Samples digested in COD-C from 15:30-17:30

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407500 Batch Start Date: 08/04/22 13:22 Batch Analyst: Shireman, Edwin LBatch Method: 410.4 Batch End Date: 08/04/22 17:30

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407534 Batch Start Date: 08/04/22 17:33 Batch Analyst: Shireman, Edwin LBatch Method: EPA 410.4 Batch End Date: 08/04/22 18:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorideScrn	WCODLL 100ppm 00730	WCODLL 10ppm 00733	WCODLL 125ppm 00725
IC 180-407500/1-A		EPA 410.4		1 mL	1 mL				
IC 180-407500/2-A		EPA 410.4		1 mL	1 mL				1 mL
IC 180-407500/3-A		EPA 410.4		1 mL	1 mL		1 mL		
IC 180-407500/4-A		EPA 410.4		1 mL	1 mL				
IC 180-407500/5-A		EPA 410.4		1 mL	1 mL				
IC 180-407500/6-A		EPA 410.4		1 mL	1 mL				
IC 180-407500/7-A		EPA 410.4		1 mL	1 mL			1 mL	
IC 180-407500/8-A		EPA 410.4		1 mL	1 mL				
ICV 180-407500/9-A		EPA 410.4		1 mL	1 mL				
ICB 180-407500/10-A		EPA 410.4		1 mL	1 mL				
CCV 180-407500/33-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/34-A		EPA 410.4		1 mL	1 mL				
MB 180-407500/36-A		EPA 410.4		1 mL	1 mL				
CCV 180-407500/45-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/46-A		EPA 410.4		1 mL	1 mL				
CCV 180-407500/57-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/58-A		EPA 410.4		1 mL	1 mL				
LCS 180-407500/59-A		EPA 410.4		1 mL	1 mL				
MB 180-407500/60-A		EPA 410.4		1 mL	1 mL				
LB 180-407372/1-B		EPA 410.4		1 mL	1 mL	<306			
180-142292-C-1-B	TI-NA-FL-D-22072 70900	EPA 410.4	Y	1 mL	1 mL	<306			

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407534 Batch Start Date: 08/04/22 17:33 Batch Analyst: Shireman, Edwin LBatch Method: EPA 410.4 Batch End Date: 08/04/22 18:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ChlorideScrn	WCODLL 100ppm 00730	WCODLL 10ppm 00733	WCODLL 125ppm 00725
CCV 180-407500/69-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/70-A		EPA 410.4		1 mL	1 mL				
LB 180-407476/1-B		EPA 410.4		1 mL	1 mL				
LCS 180-407476/2-B		EPA 410.4		1 mL	1 mL				
CCV 180-407500/81-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/82-A		EPA 410.4		1 mL	1 mL				
LCS 180-407500/83-A		EPA 410.4		1 mL	1 mL				
MB 180-407500/84-A		EPA 410.4		1 mL	1 mL				
CCV 180-407500/91-A		EPA 410.4		1 mL	1 mL				
CCB 180-407500/92-A		EPA 410.4		1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCODLL 150ppm 00737	WCODLL 25ppm 00732	WCODLL 50ppm 00728	WCODLL 75ppm 00726	AnalysisComment	
IC 180-407500/1-A		EPA 410.4		1 mL					
IC 180-407500/2-A		EPA 410.4							
IC 180-407500/3-A		EPA 410.4							
IC 180-407500/4-A		EPA 410.4					1 mL		
IC 180-407500/5-A		EPA 410.4				1 mL			
IC 180-407500/6-A		EPA 410.4			1 mL				
IC 180-407500/7-A		EPA 410.4							
IC 180-407500/8-A		EPA 410.4							
ICV 180-407500/9-A		EPA 410.4							

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407534 Batch Start Date: 08/04/22 17:33 Batch Analyst: Shireman, Edwin LBatch Method: EPA 410.4 Batch End Date: 08/04/22 18:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCODLL 150ppm 00737	WCODLL 25ppm 00732	WCODLL 50ppm 00728	WCODLL 75ppm 00726	AnalysisComment	
ICB 180-407500/10-A		EPA 410.4							
CCV 180-407500/33-A		EPA 410.4							
CCB 180-407500/34-A		EPA 410.4							
MB 180-407500/36-A		EPA 410.4							
CCV 180-407500/45-A		EPA 410.4							
CCB 180-407500/46-A		EPA 410.4							
CCV 180-407500/57-A		EPA 410.4							
CCB 180-407500/58-A		EPA 410.4							
LCS 180-407500/59-A		EPA 410.4							
MB 180-407500/60-A		EPA 410.4							
LB 180-407372/1-B		EPA 410.4						HACH QUANTAB LOT: 2136 EXP: 04/24	
180-142292-C-1-B	TI-NA-FL-D-22072 70900	EPA 410.4	Y					HACH QUANTAB LOT: 2136 EXP: 04/24	
CCV 180-407500/69-A		EPA 410.4							
CCB 180-407500/70-A		EPA 410.4							
LB 180-407476/1-B		EPA 410.4							
LCS 180-407476/2-B		EPA 410.4							
CCV 180-407500/81-A		EPA 410.4							
CCB 180-407500/82-A		EPA 410.4							
LCS 180-407500/83-A		EPA 410.4							
MB 180-407500/84-A		EPA 410.4							

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407534 Batch Start Date: 08/04/22 17:33 Batch Analyst: Shireman, Edwin LBatch Method: EPA 410.4 Batch End Date: 08/04/22 18:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCODLL 150ppm 00737	WCODLL 25ppm 00732	WCODLL 50ppm 00728	WCODLL 75ppm 00726	AnalysisComment	
CCV 180-407500/91-A		EPA 410.4							
CCB 180-407500/92-A		EPA 410.4							

Batch Notes	
Sufficient Volume for Batch QC	YES
Vial Lot Number	4919417
Pipette/Syringe/Dispenser ID	Q37629J/B912396927
Block Digestor ID	COD-C/ COD-D
Temperature - Uncorrected - Start	COD-C 150/ COD-D 150 Degrees C
Temperature - Corrected - Start	COD-C 150/ COD-D 150 Degrees C
Digestion Start Time	08/04/2022 13:22
Digestion End Time	08/04/2022 15:22
Temperature - Uncorrected - End	COD-C 150/ COD-D 150 Degrees C
Temperature - Corrected - End	COD-C 150/ COD-D 150 Degrees C
Batch Comment	16 Samples digested in COD-C from 15:30-17:30

Basis	Basis Description
Y	ASTM Leach

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.

EPA 410.4

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408241 Batch Start Date: 08/10/22 19:23 Batch Analyst: Bacha, Sharon ABatch Method: 1311 Batch End Date: 08/10/22 19:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount					
180-142292-C-1	TI-NA-FL-D-22072 70900	1311	P	2000 mL					

Batch Notes	
pH Meter ID	ACCUMET-XL-150
Probe ID	XP1-16342
pH Buffer 1 ID	4413592 pH 2.00
pH Buffer 2 ID	4492515 pH 4.00
pH Buffer 3 ID	4472640 pH 7.00
pH Buffer 4 ID	4413593 pH 10.00
pH Meter Calibration Slope	96.7 / 97.9
Filter ID	4877852
Thermometer ID	TCLP-2
Uncorrected Minimum Temperature	21 Degrees C
Minimum Temperature	21 Degrees C
Uncorrected Maximum Temperature	25 Degrees C
Maximum Temperature	25 Degrees C
Bottle Lot ID	0400401G
Batch Comment	pH buffer 13: 4538464 pH buffer 7 (second source) 4538571

Basis	Basis Description
P	TCLP

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407367 Batch Start Date: 08/03/22 17:56 Batch Analyst: Shireman, Edwin LBatch Method: 2540G Batch End Date: 08/04/22 14:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
180-142292-E-2	TI-NA-FL-D-22072 70900	2540G	T	10	1.01 g	10.73 g	10.15 g	5.9670781893003 9 %	94.032921810699 6 %

Batch Notes	
Balance ID	1126472457
Oven ID	OVEN 3
Thermometer ID	wet-34 (WC) CF=0
Date samples were placed in the oven	08/03/2022
Time samples were place in the oven	18:09
Temperature - Start - Uncorrected	104 Degrees C
Oven Temp In	104 Degrees C
Date samples were removed from oven	08/04/2022
Time Samples were removed from oven	10:37
Temperature - End - Uncorrected	104 Degrees C
Oven Temp Out	104 Degrees C
Date and Time Samples in Desiccator	08/04/2022 10:37
Date and Time Samples out of Desiccator	08/04/2022 14:26
Batch Comment	read back by:ELS

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.

2540G

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407539 Batch Start Date: 08/04/22 18:01 Batch Analyst: Hoelzle, Paloma MBatch Method: 2540G Batch End Date: 08/05/22 16:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
180-142292-B-1	TI-NA-FL-D-22072 70900	2540G	T	7	1.04 g	6.75 g	6.33 g	7.3555166374781 %	92.644483362521 9 %

Batch Notes	
Balance ID	1126472457
Oven ID	OVEN#3
Thermometer ID	Wet-34 (WC) CF=0
Date samples were placed in the oven	08/04/2022
Time samples were place in the oven	18:13
Temperature - Start - Uncorrected	103 Degrees C
Oven Temp In	103 Degrees C
Date samples were removed from oven	08/05/2022
Time Samples were removed from oven	11:52
Temperature - End - Uncorrected	104 Degrees C
Oven Temp Out	104 Degrees C
Date and Time Samples in Desiccator	08/05/2022 11:52
Batch Comment	complete by:lwm

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.

2540G

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407339 Batch Start Date: 08/03/22 12:25 Batch Analyst: Cindric, Blase ABatch Method: EPA 1020B Batch End Date: 08/03/22 13:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ObsFlash	CorrFlash	CorrectionFactor		
180-142292-A-1	TI-NA-FL-D-22072 70900	EPA 1020B	T	1 g	>140 Degrees F	0 Degrees F	0 Degrees F		
180-142292-A-1 DU	TI-NA-FL-D-22072 70900	EPA 1020B	T	1 g	>140 Degrees F	0 Degrees F	0 Degrees F		

Batch Notes	
Barometer ID	Fisher Brand SN 200164781
Barometric Pressure - Uncorrected	29.03 mmHg
Barometric Pressure - Corrected	29.03 mmHg
Barometric Pressure Correction Factor	0 Degrees F
Thermometer ID	Seta-1 (WC) CF=0
Uncorrected Temperature	140 Degrees F
Thermometer Correction	0 Degrees F
Equipment ID	Setaflash RapidTester

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407372 Batch Start Date: 08/03/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: D3987-85 Batch End Date: 08/04/22 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Final pH			
LB 180-407372/1		D3987-85, 1664B, EPA 1664B		100.0 g	2000 mL	5.76 SU			
180-142292-C-1	TI-NA-FL-D-22072 70900	D3987-85, 1664B, EPA 1664B	Y	100.98 g	2000 mL	10.46 SU			

Batch Notes	
Balance ID	AND-14577823
Uncorrected Maximum Temperature	24.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	22 Degrees C
Minimum Temperature	22 Degrees C
Uncorrected Initial Room Temperature	21.0 Degrees C
Uncorrected Final Room Temperature	21.0 Degrees C
Initial Room Temperature	21.0 Degrees C
Final Room Temperature	21.0 Degrees C
Room Temperature Thermometer ID	FISHER-160719405
Rotator ID	# 5
Tumble Start Time	08/03/2022 18:00
Tumble End Time	08/04/2022 10:30
Tumbler Rotations per Minute	30

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407619 Batch Start Date: 08/05/22 09:34 Batch Analyst: Walters, Shelby MBatch Method: 1664B Batch End Date: 08/05/22 09:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	GrossWeight	TareWeight	InitialAmount	FinalAmount
MB 180-407619/1		1664B, EPA 1664B		<2 SU	<2 SU	1000 g	0 g	1000 mL	1000 mL
LCS 180-407619/2		1664B, EPA 1664B		<2 SU	<2 SU	1000 g	0 g	1000 mL	1000 mL
LCSD 180-407619/3		1664B, EPA 1664B		<2 SU	<2 SU	1000 g	0 g	1000 mL	1000 mL
LB 180-407372/1-A		1664B, EPA 1664B		>2 SU	<2 SU	1070 g	0 g	1070 mL	1000 mL
180-142292-C-1-A	TI-NA-FL-D-22072 70900	1664B, EPA 1664B	Y	>2 SU	<2 SU	1070 g	0 g	1070 mL	1000 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceiverTube	WHemPSP 00273				
MB 180-407619/1		1664B, EPA 1664B		2.3703 g					
LCS 180-407619/2		1664B, EPA 1664B		2.3854 g	10 mL				
LCSD 180-407619/3		1664B, EPA 1664B		2.3450 g	10 mL				
LB 180-407372/1-A		1664B, EPA 1664B		2.3838 g					
180-142292-C-1-A	TI-NA-FL-D-22072 70900	1664B, EPA 1664B	Y	2.3757 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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407619 Batch Start Date: 08/05/22 09:34 Batch Analyst: Walters, Shelby MBatch Method: 1664B Batch End Date: 08/05/22 09:58

Batch Notes	
Nominal Amount Used	1000 mL
Sufficient Volume for Batch QC	Yes
Analyst ID - HEM Extraction	CTM
Prep Solvent Volume Used	40 mL
Methanol ID	4575454
Hexane ID	4782684
Acid ID	4671702
Filter Material ID	Whatman
Pipette/Syringe/Dispenser ID	Hamilton 10ml Lot# 702717
pH Paper ID	4453201
Concentrator ID	SpeedVap-1
Concentration Start Time	00:00
Concentration End Time	00:00
Manifold ID	UCT
Uncorrected Concentration Temperature	49 Degrees C
Corrected Concentration Temperature	49 Degrees C
Balance ID	8968 S/N 4239603
Weight Set ID	Q1 (QA)
SPE Cartridge Lot ID	UCT 066208-II
SPE Cartridge Type	Universal
SPE Filter Lot #	UCT 066208-II
Analyst ID - SGT Extraction	CTM
Silica Gel ID	4771180

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407626 Batch Start Date: 08/05/22 09:59 Batch Analyst: Walters, Shelby MBatch Method: EPA 1664B Batch End Date: 08/05/22 15:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ReceiverTube	HEMWgt1	HEMWgt2	Residue	Residue2
MB 180-407619/1-A		EPA 1664B		1000 mL	2.3703 g	2.3733 g	2.3733 g	0.003 g	0.003 g
LCS 180-407619/2-A		EPA 1664B		1000 mL	2.3854 g	2.4222 g	2.4220 g	0.0368 g	0.0366 g
LCSD 180-407619/3-A		EPA 1664B		1000 mL	2.3450 g	2.3798 g	2.3799 g	0.0348 g	0.0349 g
LB 180-407372/1-C		EPA 1664B		1000 mL	2.3838 g	2.3859 g	2.3857 g	0.0021 g	0.0019 g
180-142292-C-1-C	TI-NA-FL-D-22072 70900	EPA 1664B	Y	1000 mL	2.3757 g	2.3776 g	2.3772 g	0.0019 g	0.0015 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight2OK	MinSilicaGel	SgtRecomendedSp lit	CalcMsg		
MB 180-407619/1-A		EPA 1664B		Pass 0.0005g	3 g	Not Required	HEM OK. SGT-HEM not calculated.		
LCS 180-407619/2-A		EPA 1664B		Pass 0.0005g	3 g	Not Required	HEM OK. SGT-HEM not calculated.		
LCSD 180-407619/3-A		EPA 1664B		Pass 0.0005g	3 g	Not Required	HEM OK. SGT-HEM not calculated.		
LB 180-407372/1-C		EPA 1664B		Pass 0.0005g	3 g	Not Required	HEM OK. SGT-HEM not calculated.		
180-142292-C-1-C	TI-NA-FL-D-22072 70900	EPA 1664B	Y	Pass 0.0005g	3 g	Not Required	HEM OK. SGT-HEM not calculated.		

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407626 Batch Start Date: 08/05/22 09:59 Batch Analyst: Walters, Shelby MBatch Method: EPA 1664B Batch End Date: 08/05/22 15:12

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Desiccator In Time - 1st Weight	13:03
Desiccator Out Time - 1st Weight	14:03
Desiccator In Time - 2nd Weight	14:07
Desiccator Out Time - 2nd Weight	15:07
Desiccator In Time - 3rd Weight	00:00
Desiccator Out Time - 3rd Weight	00:00
Cal check before 1st Weighing - 1g	1.000 g
Cal check before 1st Weighing - 2 mg	0.002 g
Cal check before 1st Weighing - 100g	100.000 g
Cal check after 1st Weighing - 1g	1.000 g
Cal check after 1st Weighing - 2 mg	0.002 g
Cal check after 1st Weighing - 100g	100.000 g
Cal check before 2nd Weighing - 1g	1.000 g
Cal check before 2nd Weighing - 2 mg	0.002 g
Cal check before 2nd Weighing - 100g	100.000 g
Cal check after 2nd Weighing - 1g	1.000 g
Cal check after 2nd Weighing - 2 mg	0.002 g
Cal check after 2nd Weighing - 100g	100.000 g
Balance ID	8968 S/N 4239603
Weight Set ID	Q1 (QA)

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408912 Batch Start Date: 08/16/22 16:11 Batch Analyst: Shireman, Edwin LBatch Method: EPA 9045D Batch End Date: 08/16/22 19:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SampleTemp	WpHBuffer7CCV 00082	WpHBuffer7P 00042	
LCS 180-408912/1		EPA 9045D		20 mL	20 mL	22.9 Celsius	20 mL		
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 9045D	T	20.37 g	20 mL	22.1 Celsius			
CCV 180-408912/12		EPA 9045D		20 mL	20 mL	22.8 Celsius		20 mL	

Batch Notes	
pH Meter ID	Accumet AR20 (SN AR93315378)
Probe ID	SN AR93315378
Thermometer ID	AR812106163
pH Buffer 1 ID	pH 2.00 4645926
pH Buffer 2 ID	pH 4.00 4645949
pH Buffer 3 ID	pH 7.00 4778026
pH Buffer 4 ID	pH 10.00 4645963
pH Buffer 5 ID	pH 13.00 4749468
pH Buffer 6 ID	4910540 pH 7.00 (Second Source / LCS)
pH Meter Calibration Slope	97.9
Calibration Date and Time	08/16/2022 13:10
Balance ID	8946 SN 15900520
Sufficient volume for sample dup	Yes
Batch Comment	Shake Start: 16:42 Shake Stop: 16:47 Settle Start:16:48, Settle End: 17:48

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.

EPA 9045D

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407317 Batch Start Date: 08/04/22 02:45 Batch Analyst: Yushinski, CharlesBatch Method: 9071B Batch End Date: 08/04/22 07:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WHemPSP 00272			
MB 180-407317/1		9071B, EPA 9071B		30.0 g	30.0 g				
LCS 180-407317/2		9071B, EPA 9071B		30.0 g	30.0 g	10 mL			
180-142292-A-1 MS	TI-NA-FL-D-22072 70900	9071B, EPA 9071B	T	30.46 g	30.0 g	10 mL			
180-142292-A-1 MSD	TI-NA-FL-D-22072 70900	9071B, EPA 9071B	T	30.47 g	30.0 g	10 mL			
180-142292-A-1	TI-NA-FL-D-22072 70900	9071B, EPA 9071B	T	30.44 g	30.0 g				

Batch Notes	
Sufficient Volume for Batch QC	yes
Analyst ID - HEM Extraction	CBY
Prep Solvent Volume Used	150 mL
Hexane ID	4934202
Na2SO4 ID	Sodium sulfate 4880106 / Magnesium sulfate 4456436
Concentration Start Time	02:45
Concentration End Time	05:31
Balance ID	0038306353 pitball10
Weight Set ID	66352/69124

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407437 Batch Start Date: 08/04/22 08:07 Batch Analyst: Walters, Shelby MBatch Method: EPA 9071B Batch End Date: 08/04/22 15:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ReceiverTube	HEMWgt1	HEMWgt2	Weight2OK	MinSilicaGel
MB 180-407317/1-A		EPA 9071B		30.0 g	2.4357 g	2.4365 g	2.4366 g	Pass 0.0005g	3 g
LCS 180-407317/2-A		EPA 9071B		30.0 g	2.3930 g	2.4308 g	2.4307 g	Pass 0.0005g	3 g
180-142292-A-1-A MS	TI-NA-FL-D-22072 70900	EPA 9071B	T	30.0 g	2.3926 g	2.4700 g	2.4697 g	Pass 0.0005g	3 g
180-142292-A-1-B MSD	TI-NA-FL-D-22072 70900	EPA 9071B	T	30.0 g	2.4296 g	2.5108 g	2.5107 g	Pass 0.0005g	3 g
180-142292-A-1-C	TI-NA-FL-D-22072 70900	EPA 9071B	T	30.0 g	2.4264 g	2.4701 g	2.4702 g	Pass 0.0005g	3 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SgtRecomendedSp lit	Residue	Residue2	SGTRecTube	SGTWgt1	SGTWgt2
MB 180-407317/1-A		EPA 9071B		Not Required	0.0008 g	0.0009 g	2.4357 g	2.4366 g	2.4365 g
LCS 180-407317/2-A		EPA 9071B		Not Required	0.0378 g	0.0377 g	2.3930 g	2.4095 g	2.4095 g
180-142292-A-1-A MS	TI-NA-FL-D-22072 70900	EPA 9071B	T	Not Required	0.0774 g	0.0771 g	2.3926 g	2.4241 g	2.4239 g
180-142292-A-1-B MSD	TI-NA-FL-D-22072 70900	EPA 9071B	T	Not Required	0.0812 g	0.0811 g	2.4296 g	2.4608 g	2.4606 g
180-142292-A-1-C	TI-NA-FL-D-22072 70900	EPA 9071B	T	Not Required	0.0437 g	0.0438 g	2.4264 g	2.4452 g	2.4450 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTResidue1	SGTResidue2	SGTWeightOne%Di ff	CalcMsg		
MB 180-407317/1-A		EPA 9071B		0.0009 g	0.0008 g	Pass 0.0005g	OK		
LCS 180-407317/2-A		EPA 9071B		0.0165 g	0.0165 g	Pass 0.0005g	OK		
180-142292-A-1-A MS	TI-NA-FL-D-22072 70900	EPA 9071B	T	0.0315 g	0.0313 g	Pass 0.0005g	OK		
180-142292-A-1-B MSD	TI-NA-FL-D-22072 70900	EPA 9071B	T	0.0312 g	0.031 g	Pass 0.0005g	OK		
180-142292-A-1-C	TI-NA-FL-D-22072 70900	EPA 9071B	T	0.0188 g	0.0186 g	Pass 0.0005g	OK		

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407437 Batch Start Date: 08/04/22 08:07 Batch Analyst: Walters, Shelby MBatch Method: EPA 9071B Batch End Date: 08/04/22 15:09

Batch Notes	
Desiccator In Time - 1st Weight	09:28
Desiccator Out Time - 1st Weight	10:28
Desiccator In Time - 2nd Weight	10:33
Desiccator Out Time - 2nd Weight	11:33
Desiccator In Time - 3rd Weight	00:00
Desiccator Out Time - 3rd Weight	00:00
Cal check before 1st Weighing - 1g	1.000 g
Cal check before 1st Weighing - 2 mg	0.002 g
Cal check after 1st Weighing - 1g	1.000 g
Cal check after 1st Weighing - 2 mg	0.002 g
Cal check before 2nd Weighing - 1g	1.000 g
Cal check before 2nd Weighing - 2 mg	0.002 g
Cal check after 2nd Weighing - 1g	1.000 g
Cal check after 2nd Weighing - 2 mg	0.002 g
Cal check before 3rd Weighing - 1g	1.000 g
Cal check before 3rd Weighing - 2 mg	0.002 g
Cal check after 3rd Weighing - 1g	1.000 g
Cal check after 3rd Weighing - 2 mg	0.002 g
Balance ID	0038306353 pitbal10
Weight Set ID	66352/69124
SGT Desiccator In Time - 1st Weight	13:03
SGT Desiccator Out Time - 1st Weight	14:03
SGT Desiccator In Time - 2nd Weight	14:05
SGT Desiccator Out Time - 2nd Weight	15:05
SGT Desiccator In Time - 3rd Weight	00:00
SGT Desiccator Out Time - 3rd Weight	00:00

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408492 Batch Start Date: 08/12/22 11:00 Batch Analyst: Shireman, Edwin LBatch Method: EPA 9095B Batch End Date: 08/12/22 11:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	FreeLiquid				
180-142292-C-1	TI-NA-FL-D-22072 70900	EPA 9095B	T	100.03 g	0 mL				

Batch Notes	
Filter ID	TCP PS-190B-250PK
Balance ID	1126472457
Batch Comment	10 oz Thermo Scientific Snap Top Lot# MLD0260000170

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.

EPA 9095B

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407372 Batch Start Date: 08/03/22 18:00 Batch Analyst: Catanzariti, Mathew JBatch Method: D3987-85 Batch End Date: 08/04/22 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Final pH			
LB 180-407372/1		D3987-85, SM 2540B		100.0 g	2000 mL	5.76 SU			
180-142292-C-1	TI-NA-FL-D-22072 70900	D3987-85, SM 2540B	Y	100.98 g	2000 mL	10.46 SU			

Batch Notes	
Balance ID	AND-14577823
Uncorrected Maximum Temperature	24.5 Degrees C
Maximum Temperature	24.5 Degrees C
Uncorrected Minimum Temperature	22 Degrees C
Minimum Temperature	22 Degrees C
Uncorrected Initial Room Temperature	21.0 Degrees C
Uncorrected Final Room Temperature	21.0 Degrees C
Initial Room Temperature	21.0 Degrees C
Final Room Temperature	21.0 Degrees C
Room Temperature Thermometer ID	FISHER-160719405
Rotator ID	# 5
Tumble Start Time	08/03/2022 18:00
Tumble End Time	08/04/2022 10:30
Tumbler Rotations per Minute	30

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408228 Batch Start Date: 08/10/22 16:53 Batch Analyst: Rodgers, Jessica CBatch Method: SM 2540B Batch End Date: 08/11/22 20:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CrucibleID	DishWeight	Weight1	Weight2
MB 180-408228/1		SM 2540B		100 mL	100 mL	AO	66.5327 g	66.5327 g	66.5327 g
LCS 180-408228/2		SM 2540B		50 mL	100 mL	H4	66.0700 g	66.0814 g	66.0813 g
LCSD 180-408228/3		SM 2540B		50 mL	100 mL	M5	90.8880 g	90.8988 g	90.8987 g
LB 180-407372/1-A		SM 2540B		100 mL	100 mL	A	81.8903 g	81.8903 g	81.8903 g
180-142292-C-1-A	TI-NA-FL-D-22072 70900	SM 2540B	Y	50 mL	100 mL	AS	66.5321 g	66.5350 g	66.5349 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	Residue	Residue2	CalcMsg	WResPSP 00085	
MB 180-408228/1		SM 2540B		PASS	0 g	0 g	OK		
LCS 180-408228/2		SM 2540B		PASS	0.0114000000000 09 g	0.0113000000000 056 g	OK	50 mL	
LCSD 180-408228/3		SM 2540B		PASS	0.0107999999999 89 g	0.0106999999999 999 g	OK	50 mL	
LB 180-407372/1-A		SM 2540B		PASS	0 g	0 g	OK		
180-142292-C-1-A	TI-NA-FL-D-22072 70900	SM 2540B	Y	PASS	0.0028999999999 9679 g	0.0027999999999 9347 g	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

SM 2540B

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 408228 Batch Start Date: 08/10/22 16:53 Batch Analyst: Rodgers, Jessica CBatch Method: SM 2540B Batch End Date: 08/11/22 20:19

Batch Notes	
Nominal Amount Used	100 mL
Perform Calculation (0=No, 1=Yes)	Yes
Balance ID	1126020829
Oven ID	EZ Bake
Thermometer ID	QA Backup #6 (WC) CF=0
Date/Time - In	08/10/2022 16:32
Temperature - Start - Uncorrected	103 Celsius
Temperature - Start - Corrected	103 Celsius
Date/Time - Out	08/11/2022 14:52
Temperature - End - Uncorrected	104 Celsius
Temperature - End - Corrected	104 Celsius
Date/Time - In - CW (WT2)	08/11/2022 17:42
Temperature - Start-CW(WT2) -Uncorrected	105 Celsius
Temperature - Start - CW (WT2) - Correct	105 Celsius
Date/Time - Out - CW (WT2)	08/11/2022 18:42
Temperature - End-CW(WT2) -Uncorrected	105 Celsius
Temperature - End - CW (WT2) - Correct	105 Celsius
Batch Comment	read back by JCR

Basis	Basis Description
Y	ASTM Leach

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 Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407324 Batch Start Date: 08/03/22 12:09 Batch Analyst: Shireman, Edwin LBatch Method: SM 2540G Batch End Date: 08/04/22 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CrucibleID	DishWeight	Dish&sample	FinalAmount	Weight1	ResDishWt
180-142292-B-1	TI-NA-FL-D-22072 70900	SM 2540G	T	T4	43.10 g	51.77 g	8.67000 g	50.82 g	50.82 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	IgWeight1	IgWeight2	Wt550C	CalcMsg		
180-142292-B-1	TI-NA-FL-D-22072 70900	SM 2540G	T	50.70 g	50.68 g	50.68 g	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

SM 2540G

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Pittsburgh Job No.: 180-142292-1

SDG No.: _____

Batch Number: 407324 Batch Start Date: 08/03/22 12:09 Batch Analyst: Shireman, Edwin LBatch Method: SM 2540G Batch End Date: 08/04/22 19:00

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Oven ID	oven#3
Balance ID	1126472457
Muffle Furnace ID	550 oven
Thermometer ID	wet- 34 (WC)
Oven, Bath or Block Temperature 1	104 Celsius
Date/Time - In	08/03/2022 12:18
Temperature - Start - Uncorrected	104 Celsius
Temperature - Start - Corrected	104 Celsius
Date/Time - Out	08/04/2022 10:37
Temperature - End - Uncorrected	104 Celsius
Temperature - End - Corrected	104 Celsius
Date/Time - In - CW (WT2)	08/04/2022 11:47
Temperature - Start-CW(WT2) -Uncorrected	550 Celsius
Temperature - Start - CW (WT2) - Correct	550 Celsius
Date/Time - Out - CW (WT2)	08/04/2022 13:10
Temperature - End-CW(WT2) -Uncorrected	550 Celsius
Temperature - End - CW (WT2) - Correct	550 Celsius
Date/Time - In - CW (WT3)	08/04/2022 14:37
Temperature - Start-CW(WT3) -Uncorrected	550 Celsius
Temperature - Start - CW (WT3) - Correct	550 Celsius
Date/Time - Out - CW (WT3)	08/04/2022 16:20
Temperature - End-CW(WT3) -Uncorrected	550 Celsius
Temperature - End - CW (WT3) - Correct	550 Celsius
Analyst ID 2	ELS

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 Edison Job No.: 180-142292-1

SDG No.: _____

Batch Number: 862202 Batch Start Date: 08/19/22 16:35 Batch Analyst: Hu, YouhaoBatch Method: 7.3.3 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcreacSP 00034	AnalysisComment		
MB 460-862202/1		7.3.3, 9014		10 g	50 mL		Macron/B-3006-2 2 : 0.005M H2SO4 Exp: 02/18/23		
LCS 460-862202/2		7.3.3, 9014		10 g	50 mL	0.4 mL	Fisher/B-3007-2 2 : 0.25N NaOH Exp: 02/18/23		
180-142292-D-1	TI-NA-FL-D-22072 70900	7.3.3, 9014	T	10 g	50 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Batch Number: 862206 Batch Start Date: 08/19/22 16:45 Batch Analyst: Hu, YouhaoBatch Method: 9014 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	TitrantVolume1	TitrantBlank	CalcMsg	FinalAmount	
MB 460-862202/1-A		9014		25 mL	0.025 mL	0.025 mL	OK	25 mL	
LCS 460-862202/2-A		9014		25 mL	0.050 mL	0.025 mL	OK	25 mL	
180-142292-D-1-B	TI-NA-FL-D-22072 70900	9014	T	25 mL	0.025 mL	0.025 mL	OK	25 mL	

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Nominal Amount Used	25 mL
Silver Nitrate ID	B-2911-22 exp:10/26/22
Silver Nitrate Vendor	Aldrich
First Normality	0.0191 N
Rhodanine Indicator ID	B-2990-22 exp:02/01/23

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 Edison Job No.: 180-142292-1

SDG No.: _____

Batch Number: 862199 Batch Start Date: 08/19/22 16:30 Batch Analyst: Hu, YouhaoBatch Method: 7.3.4 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTsfideLCS 00084	AnalysisComment		
MB 460-862199/1		7.3.4, 9034		10 g	50 mL		B-3006-22 : 0.005 M H2SO4 exp:02/18/23		
LCSSRM 460-862199/3		7.3.4, 9034		10 g	50 mL	10 mL			
180-142292-D-1	TI-NA-FL-D-22072 70900	7.3.4, 9034	T	10 g	50 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 180-142292-1

SDG No.: _____

Batch Number: 862205 Batch Start Date: 08/19/22 16:42 Batch Analyst: Hu, YouhaoBatch Method: 9034 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	IodineAmount	TitrantVolumel	CalcMsg	FinalAmount	
MB 460-862199/1-A		9034		25 mL	5.0 mL	4.9 mL	OK	25 mL	
LCSSRM 460-862199/3-A		9034		25 mL	5.0 mL	4.2 mL	OK	25 mL	
180-142292-D-1-A	TI-NA-FL-D-22072 70900	9034	T	25 mL	5.0 mL	5.0 mL	OK	25 mL	

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1
Nominal Amount Used	25 mL
Normality of Iodine Solution	0.025 N
Normality of First Titrant	0.025 N

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.

B#407750
SNR 8/6/2022

Run Name: A080622A

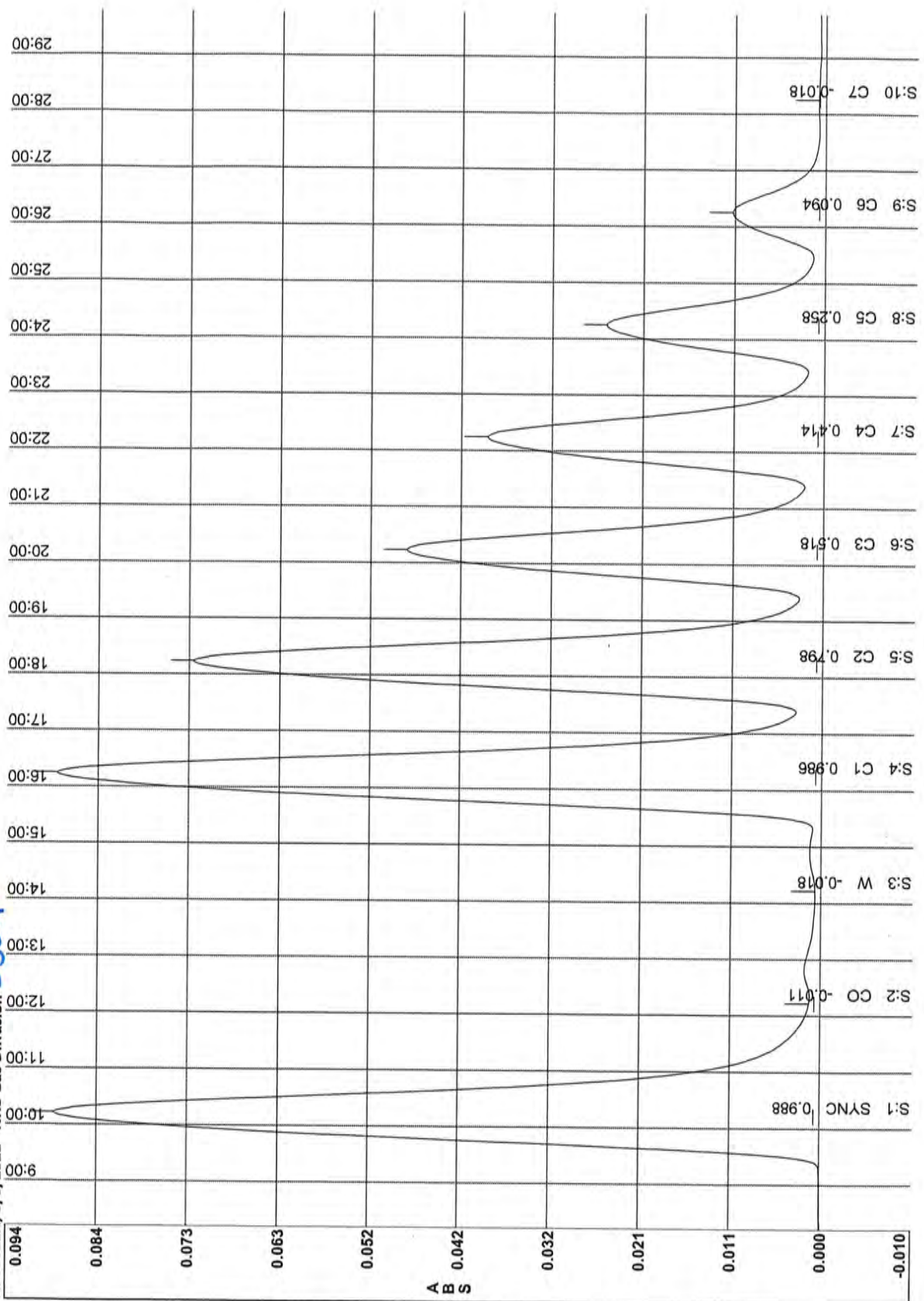
Configuration: Ammonia 350.1 0.1 - 1mg/L

Run Date: 8/6/2022

	Position	Identifier	Type	Comment	Date	Time	Dilution		NH3 Gas Diffusion		mg/L
							Total	Raw	Ht	Cor Ht	
1	2:1	SYNC	SYNC	1.0 ppm;350.1	8/6/2022	10:20:02 AM	1	0.088	0.087		0.988
2	2:2	CO	Carry over		8/6/2022	10:20:54 AM	1	0.002	0.001		-0.011
3	2:3	W	Wash		8/6/2022	10:22:54 AM	1	0.001	0.000		-0.018
4	2:4	C1	Calibrant	1.0 ppm;350.1	8/6/2022	10:24:53 AM	1	0.088	0.087		0.986
5	2:5	C2	Calibrant	0.8 ppm;350.1	8/6/2022	10:26:54 AM	1	0.073	0.071		0.798
6	2:6	C3	Calibrant	0.5 ppm;350.1	8/6/2022	10:28:53 AM	1	0.048	0.047		0.518
7	2:7	C4	Calibrant	0.4 ppm;350.1	8/6/2022	10:30:53 AM	1	0.039	0.038		0.414
8	2:8	C5	Calibrant	0.25 ppm;350.1	8/6/2022	10:32:54 AM	1	0.025	0.024		0.258
9	2:9	C6	Calibrant	0.1 ppm;350.1	8/6/2022	10:34:53 AM	1	0.011	0.010		0.094
10	2:10	C7	Calibrant	0.0 ppm;350.1	8/6/2022	10:36:54 AM	1	0.001	0.000		-0.018
11	2:11	W	Wash		8/6/2022	10:38:54 AM	1	0.001	0.000		-0.018
12	2:12	ICV	Unknown	;350.1	8/6/2022	10:40:53 AM	1	0.025	0.024		0.255
13	2:13	ICB	Unknown	;350.1	8/6/2022	10:42:53 AM	1	0.001	0.000		-0.020
14	1:10	CCV	Check Cal	;350.1	8/6/2022	10:44:54 AM	1	0.047	0.046		0.511
15	1:11	CCB	Check Cal	;350.1	8/6/2022	10:46:54 AM	1	0.001	0.000		-0.023
16	1:12	W	Wash		8/6/2022	10:48:54 AM	1	0.000	0.000		-0.018
17	2:14	MB	Unknown	;350.1	8/6/2022	10:50:54 AM	1	0.001	0.000		-0.017
18	2:15	LCS	Unknown	;350.1	8/6/2022	10:52:54 AM	1	0.047	0.046		0.516
19	2:16	180-142399-G-1	Unknown	;350.1	8/6/2022	10:54:53 AM	1	0.001	0.000		-0.016
20	2:17	180-142399-D-1 DU	Unknown	;350.1	8/6/2022	10:56:53 AM	1	0.002	0.001		-0.005
21	2:18	180-142399-C-1 MS	Unknown	;350.1	8/6/2022	10:58:54 AM	1	0.046	0.046		0.510
22	2:19	180-142369-F-1	Unknown	;350.1	8/6/2022	11:00:54 AM	1	0.020	0.020		0.208
23	2:20	180-142415-E-1	Unknown	;350.1	8/6/2022	11:02:54 AM	5	0.029	0.028		1.545
24	2:21	180-142369-F-1	Unknown	;350.1	8/6/2022	11:04:53 AM	1	0.002	0.001		-0.006
25	2:22	180-142439-B-5	Unknown	;350.1	8/6/2022	11:06:54 AM	1	0.033	0.032		0.354
26	1:10	CCV	Check Cal	;350.1	8/6/2022	11:08:54 AM	1	0.047	0.046		0.514
27	1:11	CCB	Check Cal	;350.1	8/6/2022	11:10:54 AM	1	0.000	0.000		-0.019
28	1:12	W	Wash		8/6/2022	11:12:53 AM	1	0.000	0.000		-0.018
29	2:23	180-142482-B-1	Unknown	;350.1	8/6/2022	11:14:54 AM	100	0.039	0.039		42.515
30	2:24	180-142482-B-2	Unknown	;350.1	8/6/2022	11:16:54 AM	100	0.031	0.031		33.777
31	2:25	180-142482-B-3	Unknown	;350.1	8/6/2022	11:18:54 AM	25	0.026	0.026		7.000
32	2:26	180-142482-B-4	Unknown	;350.1	8/6/2022	11:20:54 AM	100	0.046	0.046		51.033
33	2:27	LB 180-407372/1-A	Unknown	;350.1	8/6/2022	11:22:54 AM	1	0.000	0.000		-0.019
34	2:28	180-142172-B-1	Unknown	;350.1	8/6/2022	11:24:54 AM	25	0.037	0.037		10.135
35	2:29	180-142172-B-1 MS	Unknown	;350.1	8/6/2022	11:26:54 AM	25	0.038	0.038		10.553
36	2:30	180-142172-B-1 MSD	Unknown	;350.1	8/6/2022	11:28:54 AM	25	0.038	0.038		10.441
37	2:31	180-141896-B-2-D	Unknown	;350.1	8/6/2022	11:30:54 AM	1	0.008	0.008		0.070
38	1:10	CCV	Check Cal	;350.1	8/6/2022	11:32:54 AM	1	0.046	0.046		0.516
39	1:11	CCB	Check Cal	;350.1	8/6/2022	11:34:54 AM	1	0.000	0.000		-0.020
40	1:12	W	Wash		8/6/2022	11:36:54 AM	1	0.000	0.000		-0.018
41	2:32	180-142292-C-1-A	Unknown	;350.1	8/6/2022	11:38:54 AM	1	0.000	0.001		-0.011
42	2:33	180-142172-B-2	Unknown	;350.1	8/6/2022	11:40:54 AM	50	0.016	0.016		8.424
43	2:34	180-142172-B-3	Unknown	;350.1	8/6/2022	11:42:54 AM	50	0.017	0.017		8.665
44	2:35	180-142172-B-4	Unknown	;350.1	8/6/2022	11:44:54 AM	100	0.014	0.014		14.215
45	2:36	180-142393-A-1	Unknown	;350.1	8/6/2022	11:46:54 AM	5	0.048	0.048		2.661
46	2:37	180-142129-G-1	Unknown	;350.1	8/6/2022	11:48:54 AM	5	0.028	0.027		1.477
47	2:38	180-142306-C-1	Unknown	;350.1	8/6/2022	11:50:55 AM	1	0.000	0.000		-0.019
48	2:39	180-142476-C-10	Unknown	;350.1	8/6/2022	11:52:55 AM	50	0.024	0.023		12.603
49	2:40	MB	Unknown	;350.1	8/6/2022	11:54:54 AM	1	0.001	0.000		-0.016
50	1:10	CCV	Check Cal	;350.1	8/6/2022	11:56:54 AM	1	0.047	0.047		0.518
51	1:11	CCB	Check Cal	;350.1	8/6/2022	11:58:55 AM	1	0.001	0.000		-0.019
52	1:12	W	Wash		8/6/2022	12:00:54 PM	1	0.001	0.000		-0.018
53	2:41	LCS	Unknown	;350.1	8/6/2022	12:02:54 PM	1	0.048	0.047		0.526
54	2:42	180-142401-O-1	Unknown	;350.1	8/6/2022	12:04:55 PM	25	0.026	0.025		6.642
55	2:43	180-142401-O-1 MS	Unknown	;350.1	8/6/2022	12:06:55 PM	25	0.028	0.027		7.192
56	2:44	180-142401-O-1 MSD	Unknown	;350.1	8/6/2022	12:08:54 PM	25	0.028	0.027		7.312
57	2:45	180-142341-D-2	Unknown	;350.1	8/6/2022	12:10:54 PM	25	0.015	0.014		3.497
58	2:46	180-142006-F-1	Unknown	;350.1	8/6/2022	12:12:54 PM	1	0.004	0.003		0.012
59	2:47	180-142085-F-1	Unknown	;350.1	8/6/2022	12:14:55 PM	1	0.002	0.001		-0.012
60	2:48	180-142085-F-2	Unknown	;350.1	8/6/2022	12:16:54 PM	1	0.005	0.003		0.022
61	2:49	180-142085-F-3	Unknown	;350.1	8/6/2022	12:18:54 PM	1	0.005	0.004		0.029
62	1:10	CCV	Check Cal	;350.1	8/6/2022	12:20:55 PM	1	0.048	0.047		0.525
63	1:11	CCB	Check Cal	;350.1	8/6/2022	12:22:55 PM	1	0.001	0.000		-0.020
64	1:12	W	Wash		8/6/2022	12:24:54 PM	1	0.001	0.000		-0.018
65	2:50	180-142085-H-4	Unknown	;350.1	8/6/2022	12:26:55 PM	1	0.001	0.000		-0.016
66	2:51	180-142085-F-5	Unknown	;350.1	8/6/2022	12:28:55 PM	1	0.002	0.001		-0.003
67	2:52	180-142125-T-1	Unknown	;350.1	8/6/2022	12:30:54 PM	1	0.001	0.000		-0.016
68	2:53	180-142125-AM-2	Unknown	;350.1	8/6/2022	12:32:55 PM	1	0.068	0.067		0.749
69	2:54	180-142125-AM-3	Unknown	;350.1	8/6/2022	12:34:55 PM	1	0.064	0.063		0.704
70	2:55	180-142125-AM-3 MS	Unknown	;350.1	8/6/2022	12:36:55 PM	1	0.102	0.101		1.146
71	2:56	180-142125-AM-3 MSD	Unknown	;350.1	8/6/2022	12:38:55 PM	1	0.103	0.102		1.154
72	2:57	180-142125-AK-4	Unknown	;350.1	8/6/2022	12:40:55 PM	1	0.065	0.063		0.709
73	2:58	180-142125-G-5	Unknown	;350.1	8/6/2022	12:42:55 PM	1	0.002	0.001		-0.006
74	1:10	CCV	Check Cal	;350.1	8/6/2022	12:44:55 PM	1	0.048	0.047		0.528

	Position Identifier		Type	Comment	Date	Time	Dilution Total	NH3 Gas Diffusion		
								Raw Ht	Cor Ht	mg/L
75	1:11	CCB	Check Cal	;350.1	8/6/2022	12:46:55 PM	1	0.001	0.000	-0.020
76	1:12	W	Wash		8/6/2022	12:48:54 PM	1	0.001	0.000	-0.018
77	2:59	180-142125-G-6	Unknown	;350.1	8/6/2022	12:50:55 PM	1	0.065	0.064	0.720
78	2:60	180-142125-G-7	Unknown	;350.1	8/6/2022	12:52:55 PM	1	0.002	0.001	-0.012
79	3:1	180-142194-F-1	Unknown	;350.1	8/6/2022	12:54:55 PM	1	0.001	0.001	-0.012
80	3:2	180-142331-F-1	Unknown	;350.1	8/6/2022	12:56:54 PM	5	0.030	0.030	1.632
81	3:3	180-142331-F-2	Unknown	;350.1	8/6/2022	12:58:54 PM	1	0.001	0.000	-0.017
82	3:4	180-142368-E-1	Unknown	;350.1	8/6/2022	1:00:55 PM	1	0.001	0.000	-0.015
83	3:5	180-142368-E-2	Unknown	;350.1	8/6/2022	1:02:55 PM	1	0.001	0.001	-0.006
84	1:10	CCV	Check Cal	;350.1	8/6/2022	1:04:54 PM	1	0.047	0.047	0.521
85	1:11	CCB	Check Cal	;350.1	8/6/2022	1:06:55 PM	1	0.000	0.000	-0.021
86	1:12	W	Wash		8/6/2022	1:08:55 PM	1	0.000	0.000	-0.018

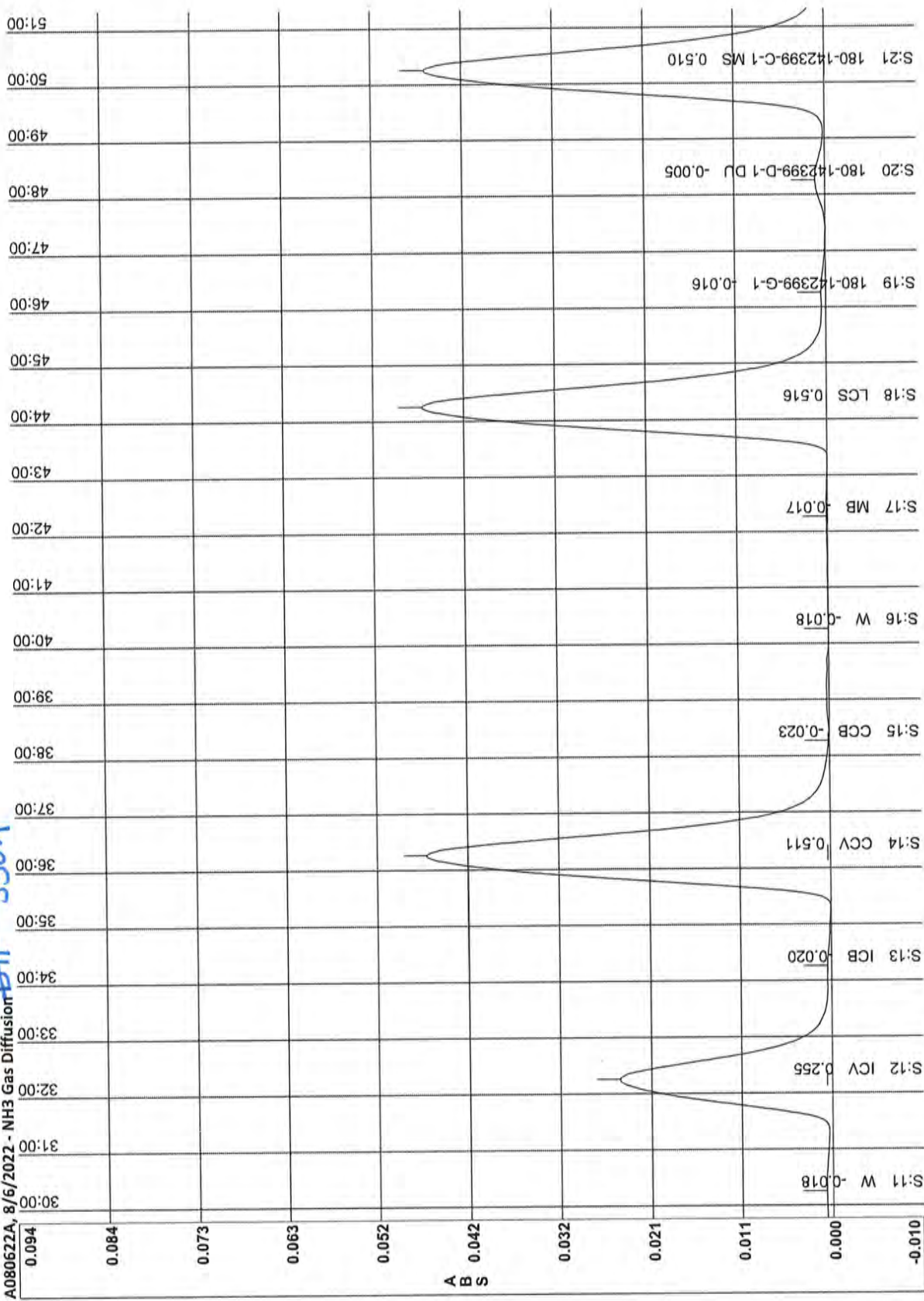
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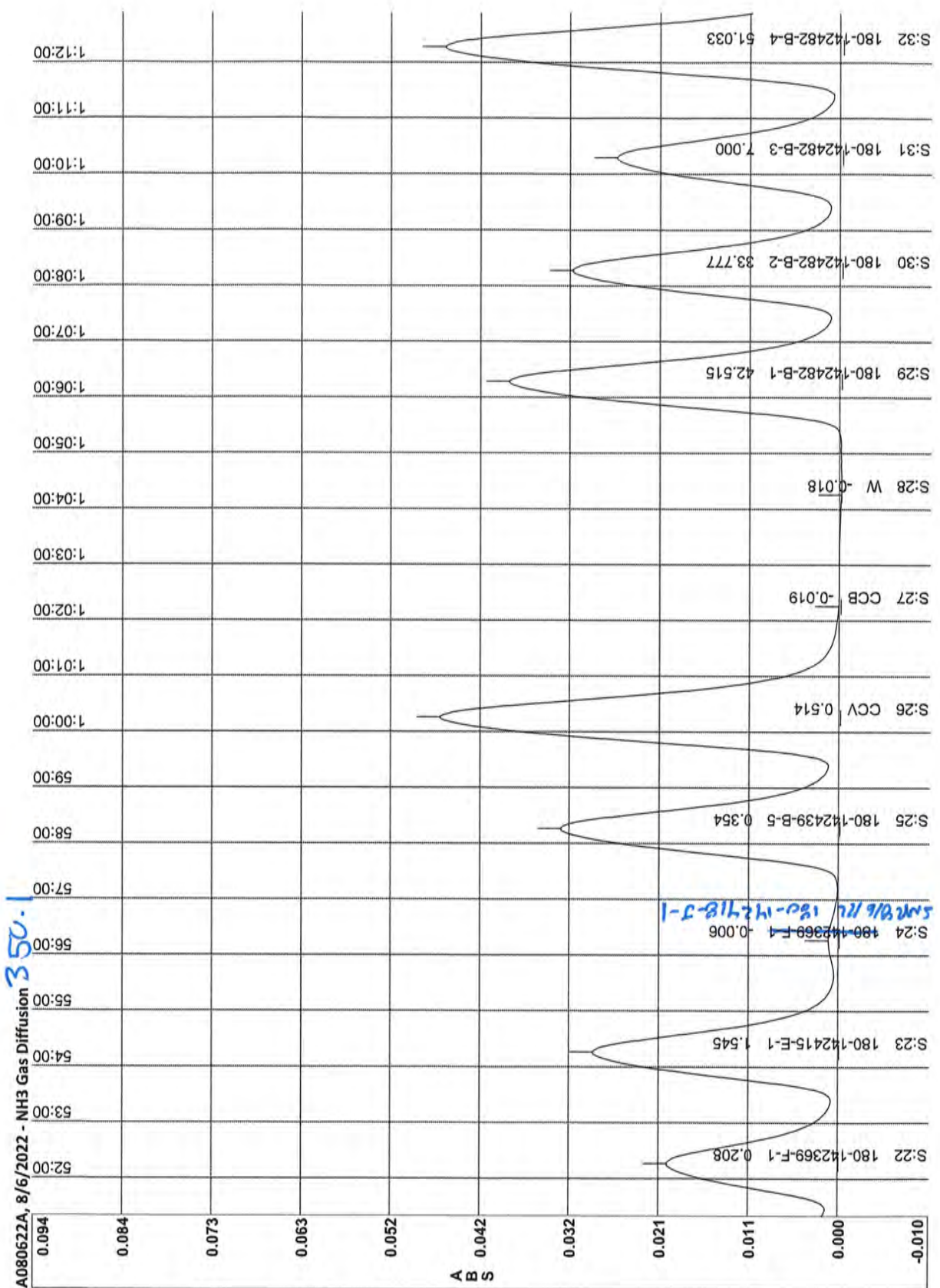


B#407750
SMR 8/6/22

B#407750
SNR 8/6/22

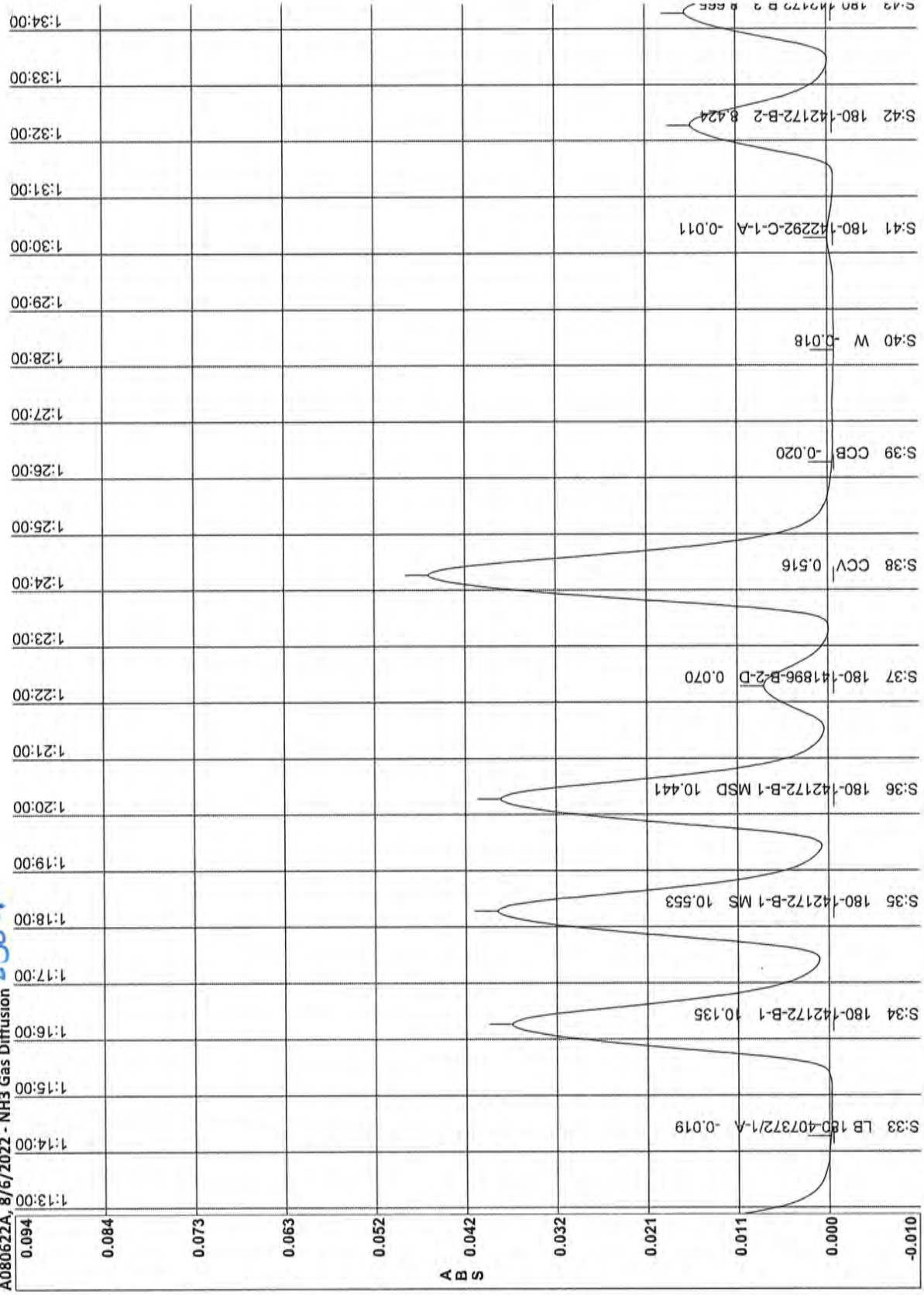
SNR 8/6/22
B# 350.1





B#407750
 SNR 8/6/22

A080622A, 8/6/2022 - NH3 Gas Diffusion 350-1

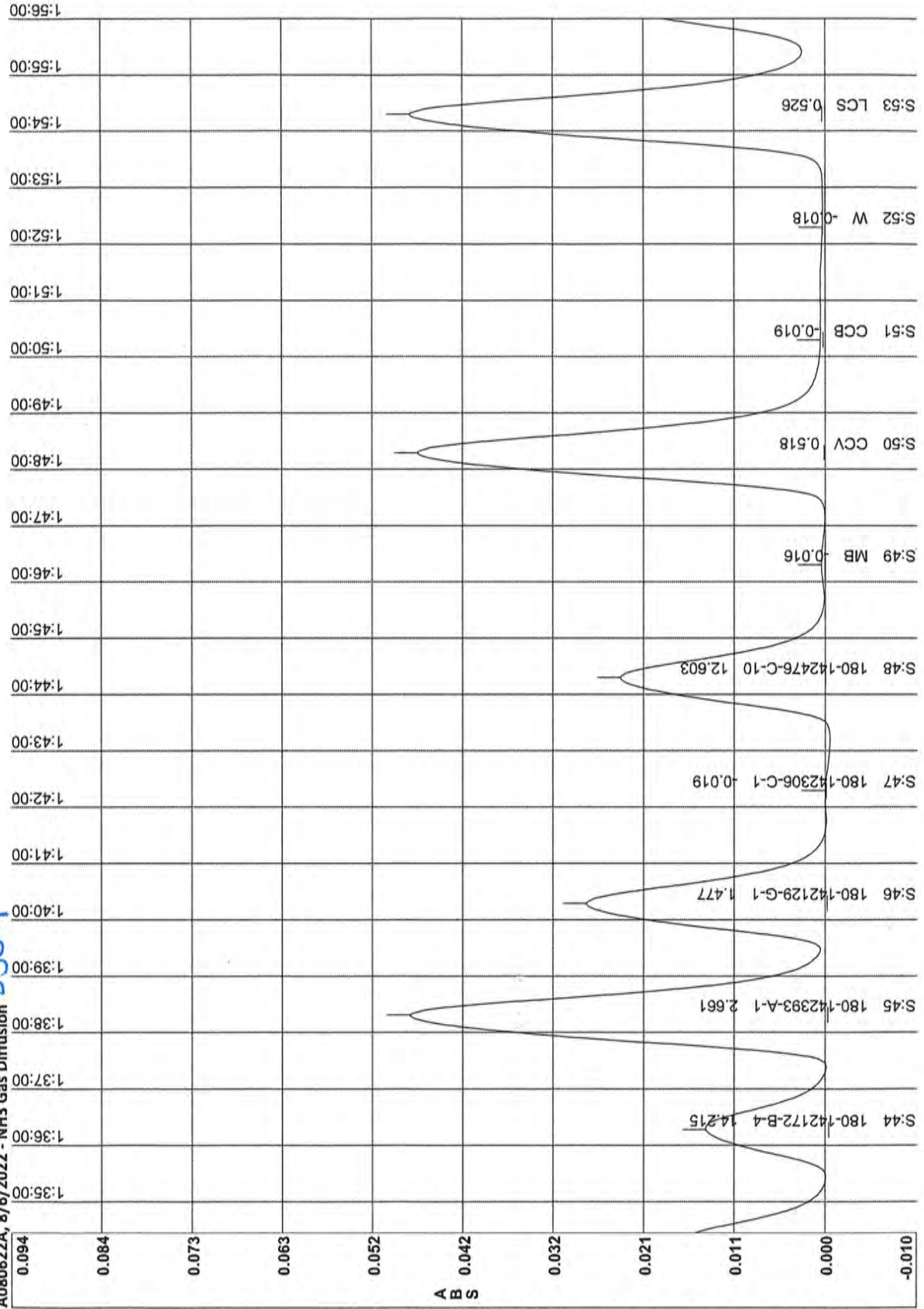


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SNC 8/6/22

B#407150
SWR 8/6/22

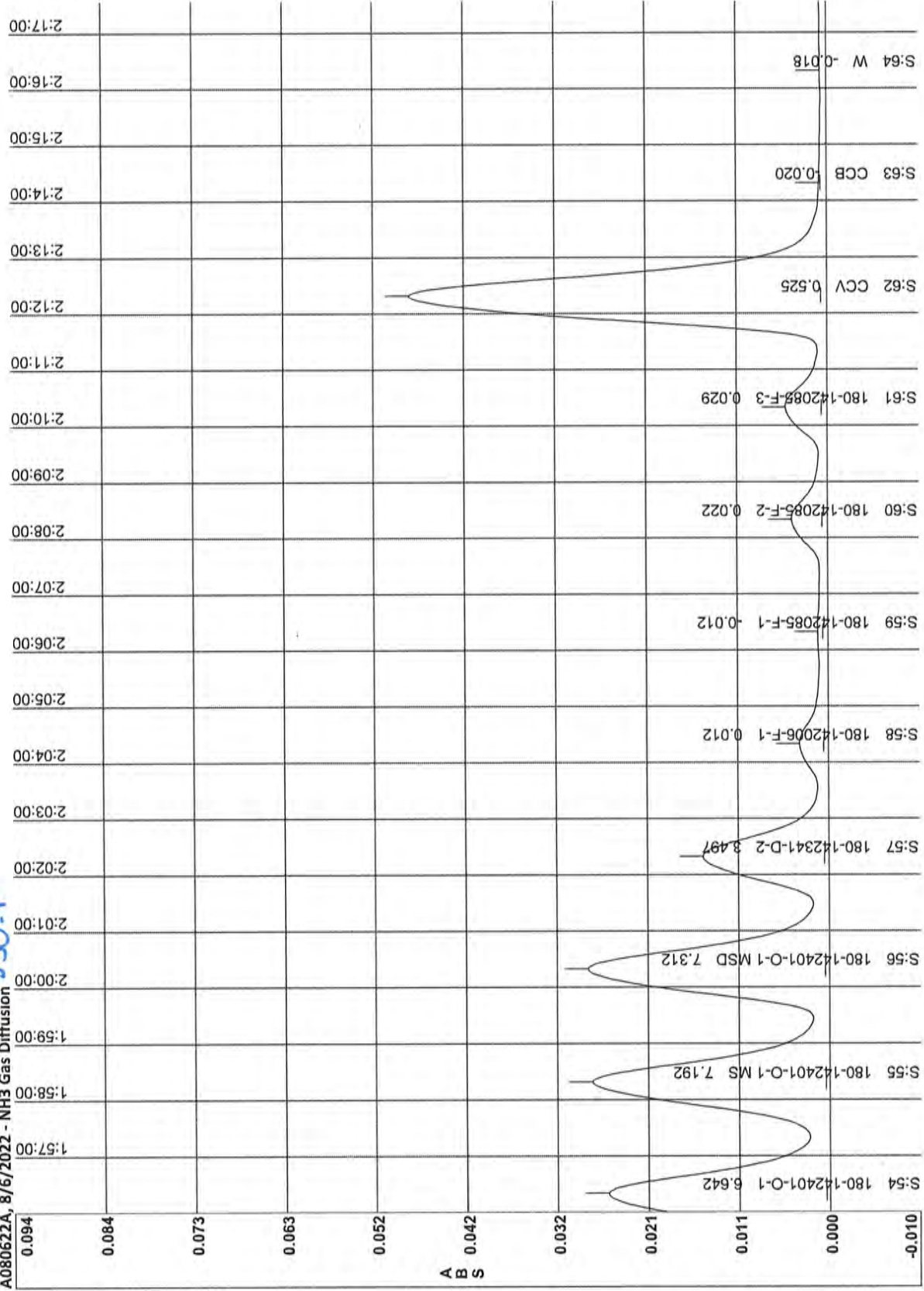
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A080622A, 8/6/2022 - NH3 Gas Diffusion

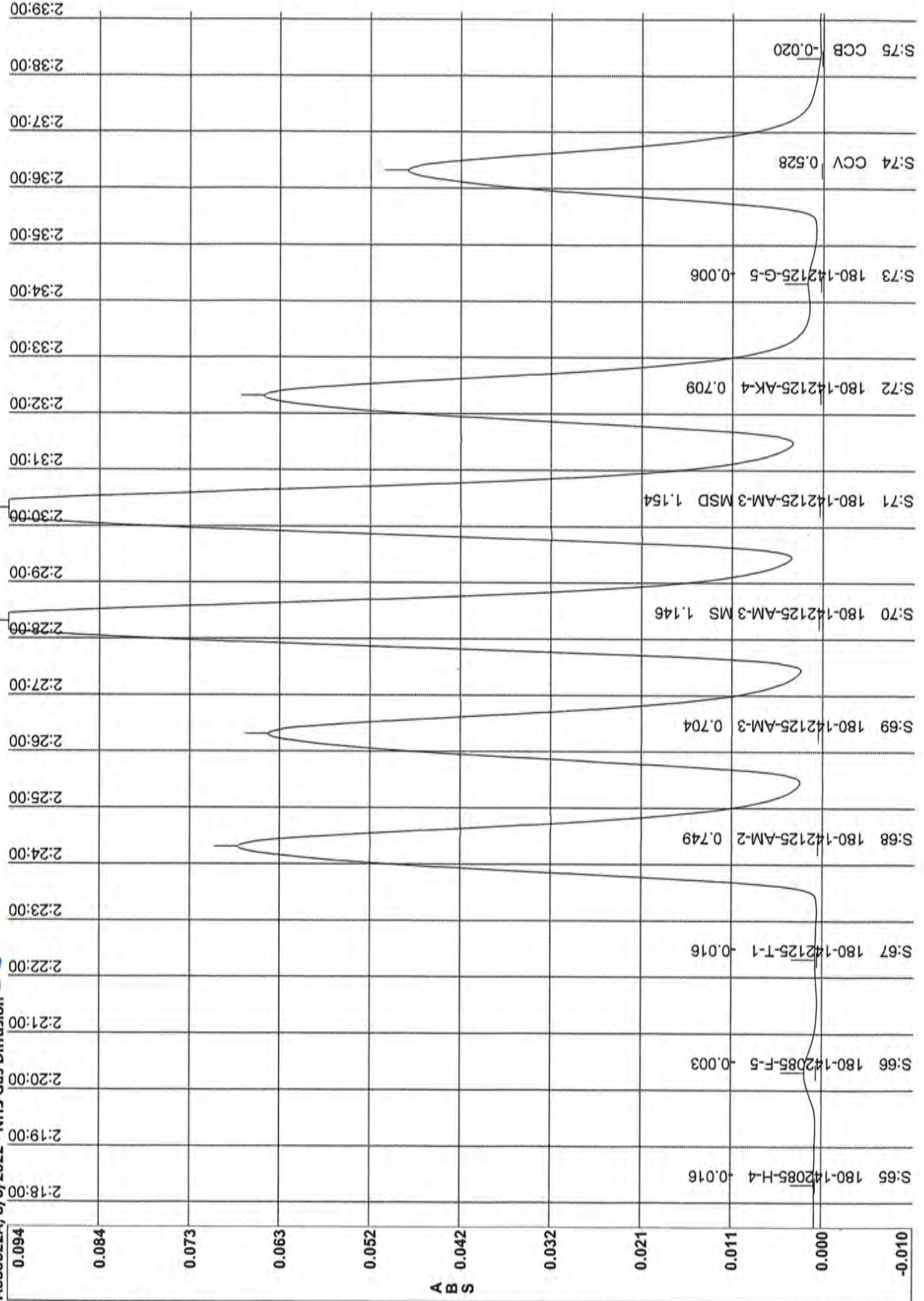


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SNR 8/6/22

A080622A, 8/6/2022 - NH3 Gas Diffusion 350-1



A080622A, 8/6/2022 - NH3 Gas Diffusion 350.1

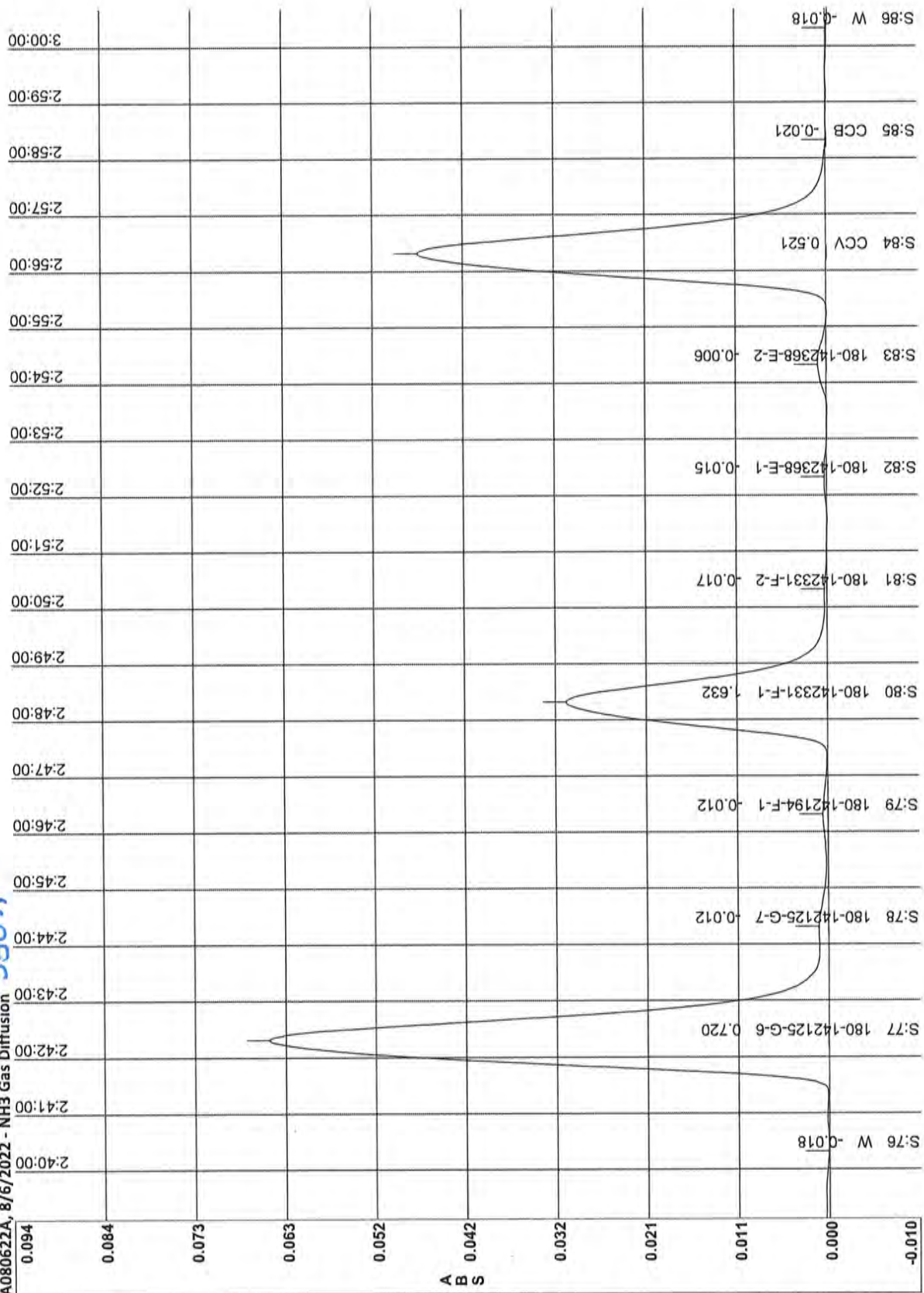


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SNR 8/6/22

B#407750
SNR 8/16/22

350.1

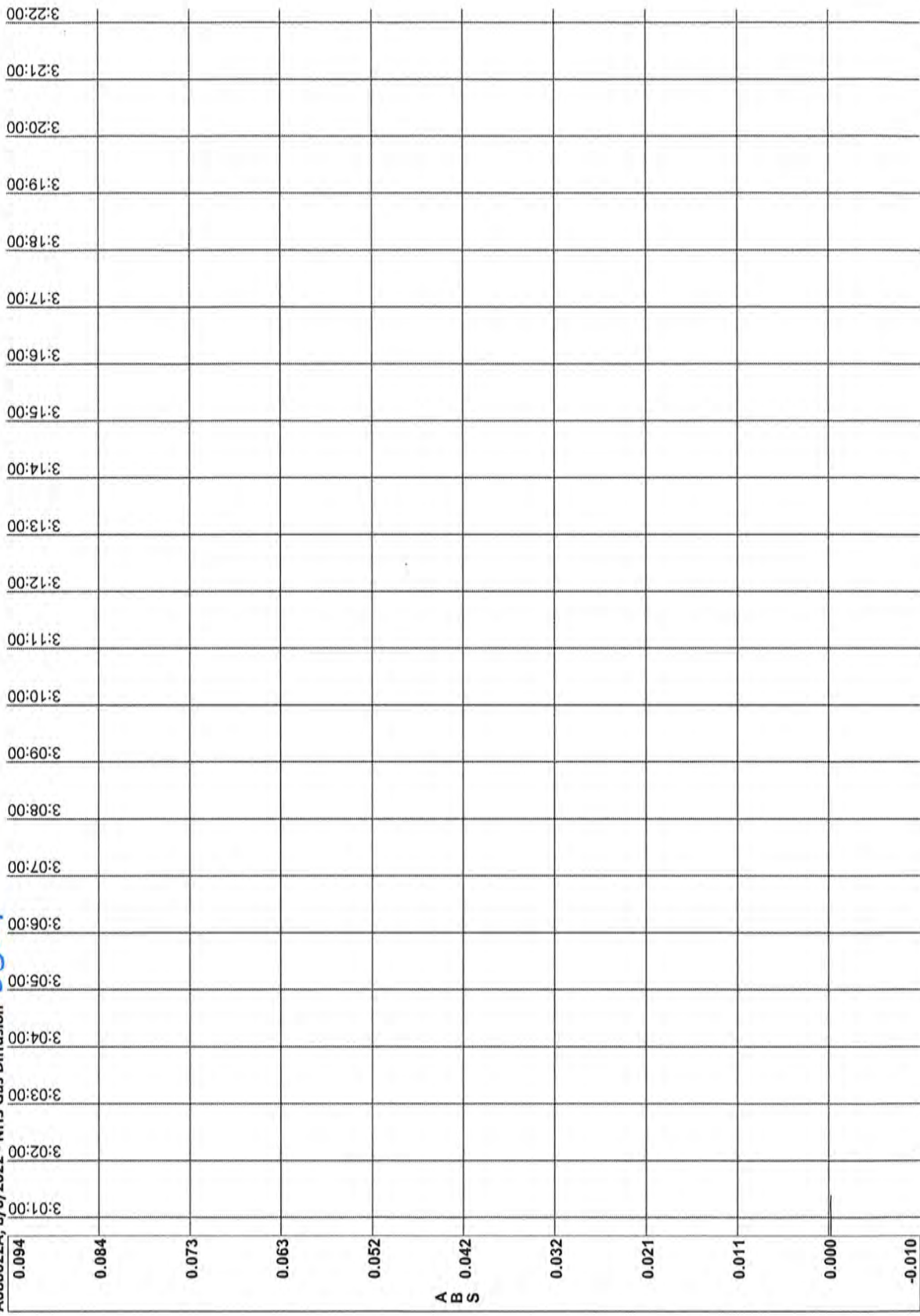
A080622A, 8/6/2022 - NH3 Gas Diffusion



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SNR 8/6/22

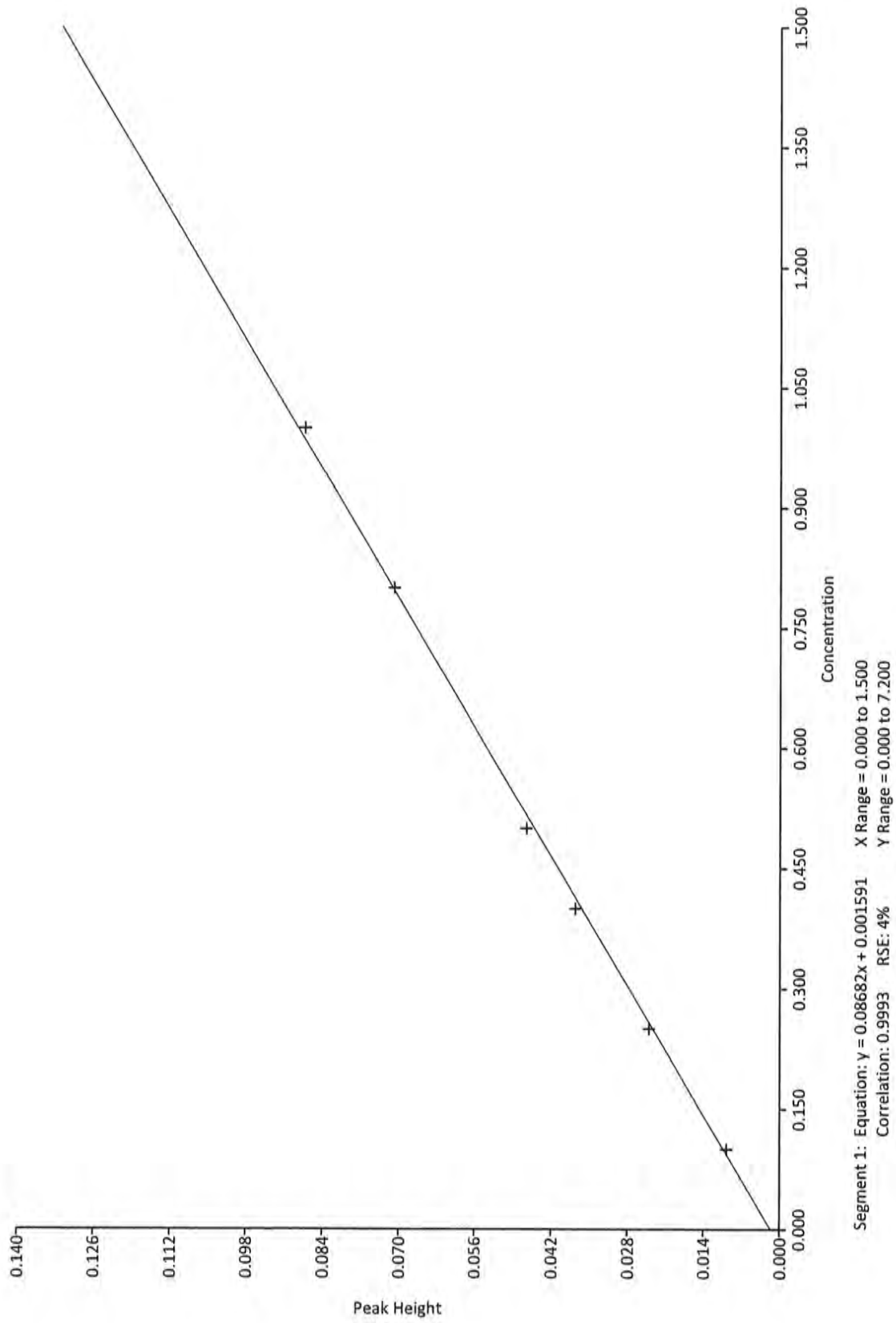
350.1

A080622A, 8/6/2022 - NH3 Gas Diffusion



B#407750
SM 8/6/22

Calibration for NH3 Gas Diffusion



General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407534
Method: EPA 410.4

Analyst Initials: ELS
Instrument: GENESYS10S

Lab Sample ID: ICV 180-407500/9-A

Analysis Date: Aug 04, 2022 17:36

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.113	71.47280	mg/L	1 mL	1 mL

Lab Sample ID: ICB 180-407500/10-A

Analysis Date: Aug 04, 2022 17:36

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.207	4.319200	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/33-A

Analysis Date: Aug 04, 2022 17:45

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.098	82.18880	mg/L	1 mL	1 mL

Lab Sample ID: CCB 180-407500/34-A

Analysis Date: Aug 04, 2022 17:46

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.222	-6.396800	mg/L	1 mL	1 mL

Lab Sample ID: MB 180-407500/36-A

Analysis Date: Aug 04, 2022 17:47

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.210	2.176000	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/45-A

Analysis Date: Aug 04, 2022 17:50

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.115	70.04400	mg/L	1 mL	1 mL

Lab Sample ID: CCB 180-407500/46-A

Analysis Date: Aug 04, 2022 17:51

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.210	2.176000	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/57-A

Analysis Date: Aug 04, 2022 17:55

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.108	75.04480	mg/L	1 mL	1 mL

Lab Sample ID: CCB 180-407500/58-A

Analysis Date: Aug 04, 2022 17:55

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.213	0.03280000	mg/L	1 mL	1 mL

Lab Sample ID: LCS 180-407500/59-A

Analysis Date: Aug 04, 2022 17:56

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.105	77.18800	mg/L	1 mL	1 mL

Lab Sample ID: MB 180-407500/60-A

Analysis Date: Aug 04, 2022 17:56

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.224	-7.825600	mg/L	1 mL	1 mL

Eurofins Pittsburgh

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407534 (Continued)
Method: EPA 410.4

Analyst Initials: ELS
Instrument: GENESYS10S

Lab Sample ID: LB 180-407372/1-B

Analysis Date: Aug 04, 2022 17:59

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.219	-4.253600	mg/L	1 mL	1 mL

Lab Sample ID: 180-142292-C-1-B

Analysis Date: Aug 04, 2022 17:59

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.206	5.033600	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/69-A

Analysis Date: Aug 04, 2022 18:00

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.109	74.33040	mg/L	1 mL	1 mL

Lab Sample ID: CCB 180-407500/70-A

Analysis Date: Aug 04, 2022 18:00

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.220	-4.968000	mg/L	1 mL	1 mL

Lab Sample ID: LB 180-407476/1-B

Analysis Date: Aug 04, 2022 18:01

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.217	-2.824800	mg/L	1 mL	1 mL

Lab Sample ID: LCS 180-407476/2-B

Analysis Date: Aug 04, 2022 18:01

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.102	79.33120	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/81-A

Analysis Date: Aug 04, 2022 18:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.113	71.47280	mg/L	1 mL	1 mL

Lab Sample ID: CCB 180-407500/82-A

Analysis Date: Aug 04, 2022 18:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.208	3.604800	mg/L	1 mL	1 mL

Lab Sample ID: LCS 180-407500/83-A

Analysis Date: Aug 04, 2022 18:05

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.111	72.90160	mg/L	1 mL	1 mL

Lab Sample ID: MB 180-407500/84-A

Analysis Date: Aug 04, 2022 18:06

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.218	-3.539200	mg/L	1 mL	1 mL

Lab Sample ID: CCV 180-407500/91-A

Analysis Date: Aug 04, 2022 18:09

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.099	81.47440	mg/L	1 mL	1 mL

Eurofins Pittsburgh

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407534 (Continued)

Method: EPA 410.4

Analyst Initials: ELS

Instrument: GENESYS10S

Lab Sample ID: CCB 180-407500/92-A

Analysis Date: Aug 04, 2022 18:09

Analyte	Detector	Dilution	Response	Raw Result	Unit	Initial Amount	Final Amount
Chemical Oxygen Demand	UV	1	0.221	-5.682400	mg/L	1 mL	1 mL

Analyst: <u>ELS</u>	Date: <u>8-4-22</u>	Batch: <u>407534</u>
Dig. Start Time: <u>13:22</u>	Temperature (°C): <u>150</u>	Analysis Time: <u>17:33</u>
Dig. End Time: <u>15:22</u>	Temperature (°C): <u>150</u>	COD Vial Lot: <u>4919417</u>
Digester Block ID (circle one): <u>C1</u> D		

Sample ID	Sample Amount (mL)	Dilution	Spike Amount (mL)	Absorbance at 420nm	Comment
150 ppm	1	1	7.50	0.00	
125	1	1	6.25	0.040	
100	1	1	5.0	0.080	
75	1	1	3.75	0.103	
50	1	1	2.50	0.142	
25	1	1	1.25	0.180	
10	1	1	0.50	0.195	
0	1	1	0	0.215	
ICV	1	1	1	0.113	
ICB	1	1	0	0.207	
LCS	1	1	1	0.103	
MB	1	1	0	0.223	
006-1	1	1	0	0.195	
006-1 ms	1	1	0.025	0.158	
006-1 msD	1	1	0.025	0.163	
006-2	1	1	0	0.201	
006-3	1	1	0	0.193	
014-1	1	1	0	0.203	
014-2	1	1	0	0.211	

Reviewed By:	Date:
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Environment Testing
TestAmerica

Pittsburgh
COD Digestion & Analysis Log
NB-2022-024

Analyst: <i>ELS</i>	Date: <i>8-4-22</i>	Batch: <i>407534</i>
Dig. Start Time: <i>13:22</i>	Temperature (°C): <i>150</i>	Analysis Time: <i>17:33</i>
Dig. End Time: <i>15:22</i>	Temperature (°C): <i>150</i>	COD Vial Lot: <i>4919417</i>
Digester Block ID (circle one): <i>C</i> D		

Sample ID	Sample Amount (mL)	Dilution	Spike Amount (mL)	Absorbance at 420nm	Comment
<i>014-3</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.210</i>	
<i>CCV</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0.101</i>	
<i>CCB</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.217</i>	
<i>014-4</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.199</i>	
<i>014-5</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.212</i>	
<i>014-6</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.210</i>	
<i>014-7</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.203</i>	
<i>014-7ms</i>	<i>1</i>	<i>1</i>	<i>0.025</i>	<i>0.179</i>	
<i>014-7msD</i>	<i>1</i>	<i>1</i>	<i>0.025</i>	<i>0.177</i>	
<i>014-8</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.202</i>	
<i>014-9</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.219</i>	
<i>014-10</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.216</i>	
<i>014-11</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.212</i>	
<i>CCV</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0.098</i>	
<i>CCB</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.222</i>	
<i>LCS</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0.106</i>	
<i>MB</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.210</i>	
<i>014-12</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.221</i>	
<i>014-13</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.205</i>	

Reviewed By:

Date:



Environment Testing
TestAmerica

Pittsburgh
COD Digestion & Analysis Log
NB-2022-024

Analyst: <u>ELS</u>	Date: <u>8-4-22</u>	Batch: <u>407534</u>
Dig. Start Time: <u>13:22</u>	Temperature (°C): <u>150</u>	Analysis Time: <u>17:33</u>
Dig. End Time: <u>15:22</u>	Temperature (°C): <u>150</u>	COD Vial Lot: <u>4919417</u>
Digester Block ID (circle one): C <u>B</u>		

Sample ID	Sample Amount (mL)	Dilution	Spike Amount (mL)	Absorbance at 420nm	Comment
014-14	1	1	0	0.224	
071-1	1	1	0	0.1	
	1	5	0	0.145	
	1	10	0	0.173	
331-1	1	1	0	0.181	
331-2	1	1	0	0.225	
CCV	1	1	1	0.115	
CCB	1	1	0	0.210	
414-32	1	1	0	0.213	
414-32ms	1	1	0.025	0.176	
414-32msD	1	1	0.025	0.178	
414-33	1	1	0	0.217	
LB 177-1	1	1	0	0.209	
469-2	1	1	0	0.207	
920-1	1	1	0	0.202	
774-2	1	1	0	0.207	
622-1	1	1	0	0.150	
272-1	1	1	0	0.161	
CCV	1	1	1	0.108	

Reviewed By:

Date:



Environment Testing
TestAmerica

Pittsburgh
COD Digestion & Analysis Log
NB-2022-024

Analyst: <u>ELS</u>	Date: <u>8-4-22</u>	Batch: <u>407534</u>
Dig. Start Time: <u>13:22</u>	Temperature (°C): <u>150</u>	Analysis Time: <u>17:33</u>
Dig. End Time: <u>15:22</u>	Temperature (°C): <u>150</u>	COD Vial Lot: <u>4919417</u>
Digester Block ID (circle one): C / <u>D</u>		

Sample ID	Sample Amount (mL)	Dilution	Spike Amount (mL)	Absorbance at 420nm	Comment
<u>CCB</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.213</u>	
<u>LCS</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.105</u>	
<u>MB</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.224</u>	
<u>272-2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.110</u>	
<u>272-2ms</u>	<u>1</u>	<u>1</u>	<u>0.025</u>	<u>0.072</u>	
<u>272-2msD</u>	<u>1</u>	<u>1</u>	<u>0.025</u>	<u>0.075</u>	
<u>025-5</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.009</u>	
<u>↓</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>0.115</u>	
<u>LB 372-1</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.219</u>	
<u>896-2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.200</u>	
<u>292-1</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.206</u>	
<u>CCV</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.109</u>	
<u>CCB</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.220</u>	
<u>LB 476-1</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.217</u>	
<u>LCS</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0.102</u>	
<u>414-25</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>-0.1</u>	
<u>↓</u>	<u>1</u>	<u>5</u>	<u>0</u>	<u>0.113</u>	
<u>↓</u>	<u>1</u>	<u>10</u>	<u>0</u>	<u>0.199</u>	
<u>414-26</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0.116</u>	

Reviewed By:

Date:

Analyst: <u>ELS</u>	Date: <u>8-4-22</u>	Batch: <u>407534</u>
Dig. Start Time: <u>15:30</u>	Temperature (°C): <u>150</u>	Analysis Time: <u>17:33</u>
Dig. End Time: <u>17:30</u>	Temperature (°C): <u>150</u>	COD Vial Lot: <u>4919417</u>
Digester Block ID (circle one): <u>(C)</u> D		

Sample ID ^{ELS} ₈₋₄₋₂₂	Sample Amount (mL)	Dilution	Spike Amount (mL)	Absorbance at 420nm	Comment
414-28 7	1	1	0	0.204	
414-28	1	1	0	0.036	
↓	1	5	0	0.172	
	1	10	0	0.203	
CCV	1	1	1	0.113	
CCB	1	1	0	0.208	
LCS	1	1	1	0.111	
MB	1	1	0	0.218	
414-29	1	1	0	0.161	
414-29ms	1	1	0.025	0.0 + 0.122	ELS
414-29msD	1	1	0.025	0.0 0.124	8-4-22
414-30	1	1	0	0.1	
↓	1	5	0	0.152	
	1	10	0	0.214	
CCV	1	1	1	0.099	
CCB	1	1	0	0.221	
<hr/>					
					ELS 8-4-22
<hr/>					

Reviewed By:	Date:
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Calibration

Calib 407534-0 / Chemical Oxygen Demand

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Concentration
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

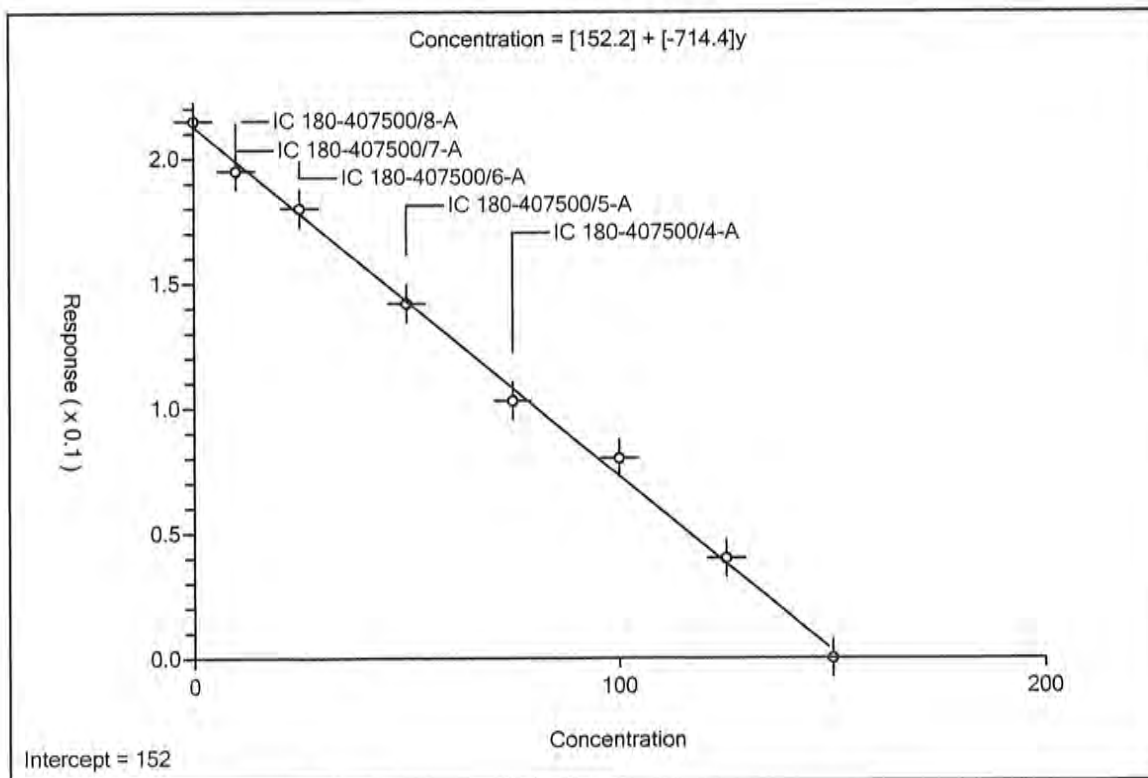
Curve Coefficients

Intercept: 152.2
 Slope: -714.4

Error Coefficients

Standard Error: 3.09
 Relative Standard Error: 13.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997 (0.997)

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 180-407500/8-A	0.0	0.215			∞	Y
2	IC 180-407500/7-A	10.0	0.195			0.0195	Y
3	IC 180-407500/6-A	25.0	0.18			0.0072	Y
4	IC 180-407500/5-A	50.0	0.142			0.00284	Y
5	IC 180-407500/4-A	75.0	0.103			0.001373	Y
6	IC 180-407500/3-A	100.0	0.08			0.0008	Y
7	IC 180-407500/2-A	125.0	0.04			0.00032	Y
8	IC 180-407500/1-A	150.0	0.0			0.0	Y



TALS Raw Data Report

Laboratory: Eurofins Pittsburgh

Job Number: 180-141025-1
 LIMS Batch: 407534
 Equipment: GENESYS10S

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2 20	
RS# 64	Lab ID: 180-141025-B-5-A	Inj Date: 8/4/2022 5:58:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.009	145.7704 mg/L	mg/L				
RS# 65	Lab ID: 180-141025-B-5-B	Inj Date: 8/4/2022 5:58:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.115	70.04400 mg/L	mg/L				
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 71	Lab ID: LB 180-407476/1-B	Inj Date: 8/4/2022 6:01:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 83	Lab ID: LCS 180-407500/83-A	Inj Date: 8/4/2022 6:05:58PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.111	72.90160 mg/L	mg/L	97	90 110		
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 85	Lab ID: 180-141414-C-29-F	Inj Date: 8/4/2022 6:06:46PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.161	37.18160 mg/L	mg/L				
RS# 86	Lab ID: 180-141414-C-29-G MS	Inj Date: 8/4/2022 6:07:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.122	65.04320 mg/L	mg/L	109	90 110		

TALS Raw Data Report

Job Number: 180-141414-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Job Number: 180-141025-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90	110	
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90	110	
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90	110	
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90	110	10 20
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90	110	
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90	110	
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90	110	6 20
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2	20
RS# 64	Lab ID: 180-141025-B-5-A	Inj Date: 8/4/2022 5:58:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.009	145.7704 mg/L	mg/L				
RS# 65	Lab ID: 180-141025-B-5-B	Inj Date: 8/4/2022 5:58:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.115	70.04400 mg/L	mg/L				
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 71	Lab ID: LB 180-407476/1-B	Inj Date: 8/4/2022 6:01:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 83	Lab ID: LCS 180-407500/83-A	Inj Date: 8/4/2022 6:05:58PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.111	72.90160 mg/L	mg/L	97	90 110		
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 85	Lab ID: 180-141414-C-29-F	Inj Date: 8/4/2022 6:06:46PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.161	37.18160 mg/L	mg/L				
RS# 86	Lab ID: 180-141414-C-29-G MS	Inj Date: 8/4/2022 6:07:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.122	65.04320 mg/L	mg/L	109	90 110		

TALS Raw Data Report

Job Number: 180-141414-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90	110	
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90	110	
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90	110	
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90	110	10 20
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90	110	
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90	110	
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90	110	6 20
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

RS# 61	Lab ID: 180-142272-C-2-A	Inj Date: 8/4/2022 5:57:07PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				
RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2	20
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 71	Lab ID: LB 180-407476/1-B	Inj Date: 8/4/2022 6:01:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/Kg				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/Kg	106	90 110		
RS# 73	Lab ID: 180-141414-C-25-D	Inj Date: 8/4/2022 6:01:57PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	-0.1	223.64 mg/L	mg/Kg				
RS# 74	Lab ID: 180-141414-C-25-E	Inj Date: 8/4/2022 6:02:21PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/Kg				
RS# 75	Lab ID: 180-141414-C-25-F	Inj Date: 8/4/2022 6:02:45PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.199	10.03440 mg/L	mg/Kg				
RS# 76	Lab ID: 180-141414-C-26-D	Inj Date: 8/4/2022 6:03:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.116	69.32960 mg/L	mg/Kg				
RS# 77	Lab ID: 180-141414-C-27-D	Inj Date: 8/4/2022 6:03:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.204	6.462400 mg/L	66 J mg/Kg				
RS# 78	Lab ID: 180-141414-C-28-F	Inj Date: 8/4/2022 6:03:58PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.036	126.4816 mg/L	mg/Kg				
RS# 79	Lab ID: 180-141414-C-28-G	Inj Date: 8/4/2022 6:04:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.172	29.32320 mg/L	mg/Kg				

TALS Raw Data Report

Job Number: 180-141622-2
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

RS# 60	Lab ID: MB 180-407500/60-A	Inj Date: 8/4/2022 5:56:43PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				
RS# 61	Lab ID: 180-142272-C-2-A	Inj Date: 8/4/2022 5:57:07PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				
RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2 20	
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 91	Lab ID: CCV 180-407500/91-A	Inj Date: 8/4/2022 6:09:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90 110		
RS# 92	Lab ID: CCB 180-407500/92-A	Inj Date: 8/4/2022 6:09:35PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

TALS Raw Data Report

Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 51 Lab ID: **LB 180-407177/1-D** Inj Date: 8/4/2022 5:53:06PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.209	2.890400 mg/L	mg/L				

RS# 54 Lab ID: **180-141774-A-2-E** Inj Date: 8/4/2022 5:54:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

TALS Raw Data Report

Job Number: 180-141869-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

RS# 60	Lab ID: MB 180-407500/60-A	Inj Date: 8/4/2022 5:56:43PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				
RS# 61	Lab ID: 180-142272-C-2-A	Inj Date: 8/4/2022 5:57:07PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				
RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2 20	
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 91	Lab ID: CCV 180-407500/91-A	Inj Date: 8/4/2022 6:09:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90 110		
RS# 92	Lab ID: CCB 180-407500/92-A	Inj Date: 8/4/2022 6:09:35PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

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Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	0.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	0.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

RS# 60 Lab ID: **MB 180-407500/60-A** Inj Date: 8/4/2022 5:56:43PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				

RS# 61 Lab ID: **180-142272-C-2-A** Inj Date: 8/4/2022 5:57:07PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				

TALS Raw Data Report

RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2	20
RS# 66	Lab ID: LB 180-407372/1-B	Inj Date: 8/4/2022 5:59:08PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.219	-4.253600 mg/L	mg/L				
RS# 67	Lab ID: 180-141896-B-2-F	Inj Date: 8/4/2022 5:59:32PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.200	9.320000 mg/L	mg/L				
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 71	Lab ID: LB 180-407476/1-B	Inj Date: 8/4/2022 6:01:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 83	Lab ID: LCS 180-407500/83-A	Inj Date: 8/4/2022 6:05:58PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.111	72.90160 mg/L	mg/L	97	90 110		
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 85	Lab ID: 180-141414-C-29-F	Inj Date: 8/4/2022 6:06:46PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.161	37.18160 mg/L	mg/L				
RS# 86	Lab ID: 180-141414-C-29-G MS	Inj Date: 8/4/2022 6:07:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.122	65.04320 mg/L	mg/L	109	90 110		

TALS Raw Data Report

RS# 87	Lab ID: 180-141414-C-29-H MSD		Inj Date: 8/4/2022 6:07:35PM		Dil: 1.0	Meth: 410.4		
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.124	63.61440 mg/L	mg/L	103	90 110	2	20
RS# 91	Lab ID: CCV 180-407500/91-A		Inj Date: 8/4/2022 6:09:11PM		Dil: 1.0	Meth: 410.4		
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90 110		
RS# 92	Lab ID: CCB 180-407500/92-A		Inj Date: 8/4/2022 6:09:35PM		Dil: 1.0	Meth: 410.4		
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

TALS Raw Data Report

Job Number: 180-141920-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 51 Lab ID: **LB 180-407177/1-D** Inj Date: 8/4/2022 5:53:06PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.209	2.890400 mg/L	mg/L				

RS# 53 Lab ID: **180-141920-B-1-C** Inj Date: 8/4/2022 5:53:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.202	7.891200 mg/L	mg/L				

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

TALS Raw Data Report

RS# 60	Lab ID: MB 180-407500/60-A	Inj Date: 8/4/2022 5:56:43PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				
RS# 61	Lab ID: 180-142272-C-2-A	Inj Date: 8/4/2022 5:57:07PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				
RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2 20	
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 91	Lab ID: CCV 180-407500/91-A	Inj Date: 8/4/2022 6:09:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90 110		
RS# 92	Lab ID: CCB 180-407500/92-A	Inj Date: 8/4/2022 6:09:35PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

TALS Raw Data Report

Job Number: 180-142006-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	10 U mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	10 U mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 16	Lab ID: 180-142006-F-2-A	Inj Date: 8/4/2022 5:39:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.201	8.605600 mg/L	10 U mg/L				
RS# 17	Lab ID: 180-142006-F-3-A	Inj Date: 8/4/2022 5:39:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.193	14.32080 mg/L	mg/L				
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	10 U mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	10 U mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.179 24.32240 mg/L mg/L 97 90 110

RS# 28 Lab ID: **180-142014-G-7-C MSD** Inj Date: 8/4/2022 5:43:51PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6	20

RS# 33 Lab ID: **CCV 180-407500/33-A** Inj Date: 8/4/2022 5:45:52PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.098	82.18880 mg/L	mg/L	110	90 110		

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	10 U mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90 110		

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90 110		

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				

TALS Raw Data Report

Job Number: 180-142014-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	10 U mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	10 U mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 18	Lab ID: 180-142014-T-1-A	Inj Date: 8/4/2022 5:39:50PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	10 U mg/L				
RS# 19	Lab ID: 180-142014-AM-2-A	Inj Date: 8/4/2022 5:40:14PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.211	1.461600 mg/L	10 U mg/L				
RS# 20	Lab ID: 180-142014-AM-3-A	Inj Date: 8/4/2022 5:40:38PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	10 U mg/L				
RS# 23	Lab ID: 180-142014-AK-4-A	Inj Date: 8/4/2022 5:41:50PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.199 10.03440 mg/L mg/L

RS# 24	Lab ID: 180-142014-G-5-A	Inj Date: 8/4/2022 5:42:14PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.212	0.7472000 mg/L	10 U mg/L				
RS# 25	Lab ID: 180-142014-G-6-A	Inj Date: 8/4/2022 5:42:39PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	10 U mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6	20
RS# 29	Lab ID: 180-142014-F-8-A	Inj Date: 8/4/2022 5:44:15PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.202	7.891200 mg/L	10 U mg/L				
RS# 30	Lab ID: 180-142014-F-9-A	Inj Date: 8/4/2022 5:44:39PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.219	-4.253600 mg/L	10 U mg/L				
RS# 31	Lab ID: 180-142014-F-10-A	Inj Date: 8/4/2022 5:45:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.216	-2.110400 mg/L	10 U mg/L				
RS# 32	Lab ID: 180-142014-G-11-A	Inj Date: 8/4/2022 5:45:28PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.212	0.7472000 mg/L	10 U mg/L				
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.098	82.18880 mg/L	mg/L	110	90 110		
RS# 34	Lab ID: CCB 180-407500/34-A	Inj Date: 8/4/2022 5:46:16PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.222	-6.396800 mg/L	10 U mg/L				
RS# 35	Lab ID: LCS 180-407500/35-A	Inj Date: 8/4/2022 5:46:40PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90 110		
RS# 36	Lab ID: MB 180-407500/36-A	Inj Date: 8/4/2022 5:47:04PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				

TALS Raw Data Report

RS# 37	Lab ID: 180-142014-G-12-A	Inj Date: 8/4/2022 5:47:28PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	10 U mg/L				
RS# 38	Lab ID: 180-142014-F-13-A	Inj Date: 8/4/2022 5:47:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.205	5.748000 mg/L	10 U mg/L				
RS# 39	Lab ID: 180-142014-F-14-A	Inj Date: 8/4/2022 5:48:16PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.224	-7.825600 mg/L	10 U mg/L				
RS# 45	Lab ID: CCV 180-407500/45-A	Inj Date: 8/4/2022 5:50:41PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90 110		
RS# 46	Lab ID: CCB 180-407500/46-A	Inj Date: 8/4/2022 5:51:05PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.210	2.176000 mg/L	10 U mg/L				
RS# 47	Lab ID: 180-141414-P-32-A	Inj Date: 8/4/2022 5:51:29PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.213	0.03280000 mg/L	10 U mg/L				
RS# 48	Lab ID: 180-141414-P-32-B MS	Inj Date: 8/4/2022 5:51:54PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90 110		
RS# 49	Lab ID: 180-141414-P-32-C MSD	Inj Date: 8/4/2022 5:52:18PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90 110	6	20
RS# 57	Lab ID: CCV 180-407500/57-A	Inj Date: 8/4/2022 5:55:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90 110		
RS# 58	Lab ID: CCB 180-407500/58-A	Inj Date: 8/4/2022 5:55:55PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.213	0.03280000 mg/L	10 U mg/L				
RS# 59	Lab ID: LCS 180-407500/59-A	Inj Date: 8/4/2022 5:56:19PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90 110		
RS# 60	Lab ID: MB 180-407500/60-A	Inj Date: 8/4/2022 5:56:43PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.224	-7.825600 mg/L	10 U mg/L				
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	10 U mg/L				

TALS Raw Data Report

Job Number: 180-142071-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90	110	
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90	110	
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90	110	
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90	110	10 20
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90	110	
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90	110	
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90	110	6 20
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

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Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 40 Lab ID: **180-142071-F-1-A** Inj Date: 8/4/2022 5:48:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	-0.1	223.64 mg/L	mg/L				

RS# 41 Lab ID: **180-142071-F-1-B** Inj Date: 8/4/2022 5:49:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.145	48.61200 mg/L	mg/L				

RS# 42 Lab ID: **180-142071-F-1-C** Inj Date: 8/4/2022 5:49:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.173	28.60880 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	.03280000 mg/L	mg/L				

TALS Raw Data Report

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

RS# 60 Lab ID: **MB 180-407500/60-A** Inj Date: 8/4/2022 5:56:43PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				

RS# 69 Lab ID: **CCV 180-407500/69-A** Inj Date: 8/4/2022 6:00:20PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90	110	

RS# 70 Lab ID: **CCB 180-407500/70-A** Inj Date: 8/4/2022 6:00:44PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				

TALS Raw Data Report

Job Number: 180-142272-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM		Dil: 1.0	Meth: 410.4			
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 56 Lab ID: **180-142272-C-1-A** Inj Date: 8/4/2022 5:55:07PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.161	37.18160 mg/L	mg/L				

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	1.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

RS# 60 Lab ID: **MB 180-407500/60-A** Inj Date: 8/4/2022 5:56:43PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				

TALS Raw Data Report

RS# 61	Lab ID: 180-142272-C-2-A	Inj Date: 8/4/2022 5:57:07PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				
RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90	110	
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90	110	2 20
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90	110	
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90	110	
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90	110	
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 91	Lab ID: CCV 180-407500/91-A	Inj Date: 8/4/2022 6:09:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90	110	
RS# 92	Lab ID: CCB 180-407500/92-A	Inj Date: 8/4/2022 6:09:35PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

TALS Raw Data Report

Job Number: 180-142292-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A		Inj Date: 8/4/2022 5:36:13PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 10	Lab ID: ICB 180-407500/10-A		Inj Date: 8/4/2022 5:36:37PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A		Inj Date: 8/4/2022 5:37:01PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90 110		
RS# 12	Lab ID: MB 180-407500/12-A		Inj Date: 8/4/2022 5:37:25PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A		Inj Date: 8/4/2022 5:37:49PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS		Inj Date: 8/4/2022 5:38:13PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90 110		
RS# 15	Lab ID: 180-142006-F-1-C MSD		Inj Date: 8/4/2022 5:38:37PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90 110	10 20	
RS# 21	Lab ID: CCV 180-407500/21-A		Inj Date: 8/4/2022 5:41:02PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90 110		
RS# 22	Lab ID: CCB 180-407500/22-A		Inj Date: 8/4/2022 5:41:26PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A		Inj Date: 8/4/2022 5:43:03PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS		Inj Date: 8/4/2022 5:43:27PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90 110		
RS# 28	Lab ID: 180-142014-G-7-C MSD		Inj Date: 8/4/2022 5:43:51PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90 110	6 20	
RS# 33	Lab ID: CCV 180-407500/33-A		Inj Date: 8/4/2022 5:45:52PM		Dil: 1.0		Meth: 410.4	
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

RS# 60 Lab ID: **MB 180-407500/60-A** Inj Date: 8/4/2022 5:56:43PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				

RS# 61 Lab ID: **180-142272-C-2-A** Inj Date: 8/4/2022 5:57:07PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.110	73.61600 mg/L	mg/L				

TALS Raw Data Report

RS# 62	Lab ID: 180-142272-C-2-B MS	Inj Date: 8/4/2022 5:57:31PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.072	100.7632 mg/L	mg/L	109	90 110		
RS# 63	Lab ID: 180-142272-C-2-C MSD	Inj Date: 8/4/2022 5:57:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.075	98.62000 mg/L	mg/L	100	90 110	2 20	
RS# 66	Lab ID: LB 180-407372/1-B	Inj Date: 8/4/2022 5:59:08PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.219	-4.253600 mg/L	mg/L				
RS# 68	Lab ID: 180-142292-C-1-B	Inj Date: 8/4/2022 5:59:56PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.206	5.033600 mg/L	mg/L				
RS# 69	Lab ID: CCV 180-407500/69-A	Inj Date: 8/4/2022 6:00:20PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90 110		
RS# 70	Lab ID: CCB 180-407500/70-A	Inj Date: 8/4/2022 6:00:44PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				
RS# 71	Lab ID: LB 180-407476/1-B	Inj Date: 8/4/2022 6:01:09PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 72	Lab ID: LCS 180-407476/2-B	Inj Date: 8/4/2022 6:01:33PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.102	79.33120 mg/L	mg/L	106	90 110		
RS# 81	Lab ID: CCV 180-407500/81-A	Inj Date: 8/4/2022 6:05:10PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90 110		
RS# 82	Lab ID: CCB 180-407500/82-A	Inj Date: 8/4/2022 6:05:34PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.208	3.604800 mg/L	mg/L				
RS# 83	Lab ID: LCS 180-407500/83-A	Inj Date: 8/4/2022 6:05:58PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.111	72.90160 mg/L	mg/L	97	90 110		
RS# 84	Lab ID: MB 180-407500/84-A	Inj Date: 8/4/2022 6:06:22PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.218	-3.539200 mg/L	mg/L				
RS# 85	Lab ID: 180-141414-C-29-F	Inj Date: 8/4/2022 6:06:46PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.161	37.18160 mg/L	mg/L				
RS# 86	Lab ID: 180-141414-C-29-G MS	Inj Date: 8/4/2022 6:07:11PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.122	65.04320 mg/L	mg/L	109	90 110		

TALS Raw Data Report

RS# 87 Lab ID: **180-141414-C-29-H MSD** Inj Date: 8/4/2022 6:07:35PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.124	63.61440 mg/L	mg/L	103	90 110	2	20

RS# 91 Lab ID: **CCV 180-407500/91-A** Inj Date: 8/4/2022 6:09:11PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.099	81.47440 mg/L	mg/L	109	90 110		

RS# 92 Lab ID: **CCB 180-407500/92-A** Inj Date: 8/4/2022 6:09:35PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.221	-5.682400 mg/L	mg/L				

TALS Raw Data Report

Job Number: 180-142331-1
LIMS Batch: 407534
Equipment: GENESYS10S

Laboratory: Eurofins Pittsburgh

RS# 9	Lab ID: ICV 180-407500/9-A	Inj Date: 8/4/2022 5:36:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.113	71.47280 mg/L	mg/L	95	90	110	
RS# 10	Lab ID: ICB 180-407500/10-A	Inj Date: 8/4/2022 5:36:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.207	4.319200 mg/L	mg/L				
RS# 11	Lab ID: LCS 180-407500/11-A	Inj Date: 8/4/2022 5:37:01PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.103	78.61680 mg/L	mg/L	105	90	110	
RS# 12	Lab ID: MB 180-407500/12-A	Inj Date: 8/4/2022 5:37:25PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.223	-7.111200 mg/L	mg/L				
RS# 13	Lab ID: 180-142006-F-1-A	Inj Date: 8/4/2022 5:37:49PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.195	12.89200 mg/L	mg/L				
RS# 14	Lab ID: 180-142006-F-1-B MS	Inj Date: 8/4/2022 5:38:13PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.158	39.32480 mg/L	mg/L	106	90	110	
RS# 15	Lab ID: 180-142006-F-1-C MSD	Inj Date: 8/4/2022 5:38:37PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.163	35.75280 mg/L	mg/L	91	90	110	10 20
RS# 21	Lab ID: CCV 180-407500/21-A	Inj Date: 8/4/2022 5:41:02PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.101	80.04560 mg/L	mg/L	107	90	110	
RS# 22	Lab ID: CCB 180-407500/22-A	Inj Date: 8/4/2022 5:41:26PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.217	-2.824800 mg/L	mg/L				
RS# 26	Lab ID: 180-142014-G-7-A	Inj Date: 8/4/2022 5:43:03PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.203	7.176800 mg/L	mg/L				
RS# 27	Lab ID: 180-142014-G-7-B MS	Inj Date: 8/4/2022 5:43:27PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.179	24.32240 mg/L	mg/L	97	90	110	
RS# 28	Lab ID: 180-142014-G-7-C MSD	Inj Date: 8/4/2022 5:43:51PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Chemical Oxygen De	0.177	25.75120 mg/L	mg/L	103	90	110	6 20
RS# 33	Lab ID: CCV 180-407500/33-A	Inj Date: 8/4/2022 5:45:52PM	Dil: 1.0	Meth: 410.4				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt

TALS Raw Data Report

Chemical Oxygen De 0.098 82.18880 mg/L mg/L 110 90 110

RS# 34 Lab ID: **CCB 180-407500/34-A** Inj Date: 8/4/2022 5:46:16PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.222	-6.396800 mg/L	mg/L				

RS# 35 Lab ID: **LCS 180-407500/35-A** Inj Date: 8/4/2022 5:46:40PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.106	76.47360 mg/L	mg/L	102	90	110	

RS# 36 Lab ID: **MB 180-407500/36-A** Inj Date: 8/4/2022 5:47:04PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 43 Lab ID: **180-142331-F-1-A** Inj Date: 8/4/2022 5:49:53PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.181	22.89360 mg/L	mg/L				

RS# 44 Lab ID: **180-142331-F-2-A** Inj Date: 8/4/2022 5:50:17PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.225	-8.540000 mg/L	mg/L				

RS# 45 Lab ID: **CCV 180-407500/45-A** Inj Date: 8/4/2022 5:50:41PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.115	70.04400 mg/L	mg/L	93	90	110	

RS# 46 Lab ID: **CCB 180-407500/46-A** Inj Date: 8/4/2022 5:51:05PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.210	2.176000 mg/L	mg/L				

RS# 47 Lab ID: **180-141414-P-32-A** Inj Date: 8/4/2022 5:51:29PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	0.03280000 mg/L	mg/L				

RS# 48 Lab ID: **180-141414-P-32-B MS** Inj Date: 8/4/2022 5:51:54PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.176	26.46560 mg/L	mg/L	106	90	110	

RS# 49 Lab ID: **180-141414-P-32-C MSD** Inj Date: 8/4/2022 5:52:18PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.178	25.03680 mg/L	mg/L	100	90	110	6 20

RS# 57 Lab ID: **CCV 180-407500/57-A** Inj Date: 8/4/2022 5:55:31PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.108	75.04480 mg/L	mg/L	100	90	110	

RS# 58 Lab ID: **CCB 180-407500/58-A** Inj Date: 8/4/2022 5:55:55PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.213	0.03280000 mg/L	mg/L				

RS# 59 Lab ID: **LCS 180-407500/59-A** Inj Date: 8/4/2022 5:56:19PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.105	77.18800 mg/L	mg/L	103	90	110	

TALS Raw Data Report

RS# 60 Lab ID: **MB 180-407500/60-A** Inj Date: 8/4/2022 5:56:43PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.224	-7.825600 mg/L	mg/L				

RS# 69 Lab ID: **CCV 180-407500/69-A** Inj Date: 8/4/2022 6:00:20PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.109	74.33040 mg/L	mg/L	99	90	110	

RS# 70 Lab ID: **CCB 180-407500/70-A** Inj Date: 8/4/2022 6:00:44PM Dil: 1.0 Meth: 410.4

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Chemical Oxygen De	0.220	-4.968000 mg/L	mg/L				

TALS Raw Data Report

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 408241
Method: 1311

Analyst Initials: SAB
Instrument: No Equipment

Lab Sample ID: 180-142292-C-1

Analysis Date: Aug 10, 2022 19:23

					Final
Analyte	Detector	Dilution	Raw Result	Unit	Amount
TCLP pH Post-Leach	None	1	6.98	SU	2000 mL

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407367
Method: 2540G

Analyst Initials: ELS
Instrument: No Equipment

Lab Sample ID: 180-142292-E-2

Analysis Date: Aug 03, 2022 17:56

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	5.96707818930039	%
Percent Solids	None	1	94.0329218106996	%

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407539
Method: 2540G

Analyst Initials: PMH
Instrument: No Equipment

Lab Sample ID: 180-142292-B-1

Analysis Date: Aug 04, 2022 18:01

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	7.3555166374781	%
Percent Solids	None	1	92.6444833625219	%

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407339
Method: EPA 1020B

Analyst Initials: BAC
Instrument: No Equipment

Lab Sample ID: 180-142292-A-1					Analysis Date: Aug 03, 2022 12:25	
Analyte	Detector	Dilution	Raw Result	Unit	Final Amount	
Ignitability	None	1	>140	Degrees F	1 g	

Lab Sample ID: 180-142292-A-1 DU					Analysis Date: Aug 03, 2022 12:31	
Analyte	Detector	Dilution	Raw Result	Unit	Final Amount	
Ignitability	None	1	>140	Degrees F	1 g	

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407626
Method: EPA 1664B

Analyst Initials: SMW
Instrument: No Equipment

Lab Sample ID: MB 180-407619/1-A**Analysis Date: Aug 05, 2022 09:59**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	3.000000000000011	mg/L	1000 mL	1000 mL

Lab Sample ID: LCS 180-407619/2-A**Analysis Date: Aug 05, 2022 09:59**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	36.6	mg/L	1000 mL	1000 mL

Lab Sample ID: LCSD 180-407619/3-A**Analysis Date: Aug 05, 2022 09:59**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	34.89999999999999	mg/L	1000 mL	1000 mL

Lab Sample ID: LB 180-407372/1-C**Analysis Date: Aug 05, 2022 09:59**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	1.900000000000001	mg/L	1070 mL	1000 mL

Lab Sample ID: 180-142292-C-1-C**Analysis Date: Aug 05, 2022 09:59**

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	1.500000000000006	mg/L	1070 mL	1000 mL

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 408912
Method: EPA 9045D

Analyst Initials: ELS
Instrument: No Equipment

Lab Sample ID: LCS 180-408912/1

Analysis Date: Aug 16, 2022 16:11

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	7.03	SU	20 mL	20 mL

Lab Sample ID: 180-142292-C-1

Analysis Date: Aug 16, 2022 16:44

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	7.99	SU	20.37 g	20 mL

Lab Sample ID: CCV 180-408912/12

Analysis Date: Aug 16, 2022 17:03

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
pH	None	1	6.99	SU	20 mL	20 mL

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407437
Method: EPA 9071B

Analyst Initials: SMW
Instrument: No Equipment

Lab Sample ID: MB 180-407317/1-A

Analysis Date: Aug 04, 2022 02:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	29.99999999999893	mg/L	30.0 g	30.0 g

Lab Sample ID: LCS 180-407317/2-A

Analysis Date: Aug 04, 2022 02:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	1256.666666666667	mg/L	30.0 g	30.0 g

Lab Sample ID: 180-142292-A-1-A MS

Analysis Date: Aug 04, 2022 02:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	2570.000000000001	mg/L	30.46 g	30.0 g

Lab Sample ID: 180-142292-A-1-B MSD

Analysis Date: Aug 04, 2022 02:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	2703.333333333332	mg/L	30.47 g	30.0 g

Lab Sample ID: 180-142292-A-1-C

Analysis Date: Aug 04, 2022 02:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Oil & Grease (HEM)	None	1	1460	mg/L	30.44 g	30.0 g

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 408492
Method: EPA 9095B

Analyst Initials: ELS
Instrument: No Equipment

Lab Sample ID: 180-142292-C-1

Analysis Date: Aug 12, 2022 11:24

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
Free Liquid	None	1	CNF	NONE	100.03 g

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 408228
Method: SM 2540B

Analyst Initials: JCR
Instrument: No Equipment

Lab Sample ID: MB 180-408228/1

Analysis Date: Aug 10, 2022 16:53

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Solids	None	1	0	mg/L	100 mL	100 mL

Lab Sample ID: LCS 180-408228/2

Analysis Date: Aug 10, 2022 16:53

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Solids	None	1	113.000000000056	mg/L	50 mL	100 mL

Lab Sample ID: LCSD 180-408228/3

Analysis Date: Aug 10, 2022 16:53

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Solids	None	1	106.999999999999	mg/L	50 mL	100 mL

Lab Sample ID: LB 180-407372/1-A

Analysis Date: Aug 10, 2022 16:53

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Solids	None	1	0	mg/L	100 mL	100 mL

Lab Sample ID: 180-142292-C-1-A

Analysis Date: Aug 10, 2022 16:53

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Total Solids	None	1	27.9999999999347	mg/L	50 mL	100 mL

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 407324
Method: SM 2540G

Analyst Initials: ELS
Instrument: No Equipment

Lab Sample ID: 180-142292-B-1

Analysis Date: Aug 03, 2022 12:09

Analyte	Detector	Dilution	Raw Result	Unit	Final Amount
Total Volatile Solids	None	1	1.81347150259069	%	8.67000 g
Total Solids	None	1	89.042675893887	%	8.67000 g



Environment Testing
TestAmerica

Controlled Document
Pittsburgh
Wet Chemistry Data Review Checklist
PT-WC-WI-006 R2
Effective: 5/7/2019

Earliest Due Date: 8/18 Batch Number(s): 407324
File Name: NA Analysis Date: 8/3/22 Reviewer 1st Level/Date: PHH 8/9/22
Equipment: NA Method(s): 28406 TS/TVS

Task/Review Items	Data/TALS Reviewed 1 st Level	Comments/Clarification
DOCs – Raw data attached as PDF?	NA	
Sample List		
Does the standard curve consist of the required minimum number of calibration standards and is the initial correlation coefficient ≥ 0.995 ? Was the curve visual sensibility checked?	NA	
Calibration Event set up correctly in TALS?	NA	
Appropriate QC Data Types analyzed at appropriate frequencies and imported/added into TALS? (ICV, ICB, CCV, CCB, LCS, LCSD, MB, MS, MSD, DUP?)	✓	
Reportable LIMS Sample IDs processed/identified?	✓	
Suffixes set for Dilutions or Reanalysis?	NA	
Batch Information Complete? Equipment Set for Spectrophotometers?	✓	
Worksheet		
Initial/Final amount entered appropriately for method? Are units correct? Calc Message OK?	✓	
Logbook notes recorded, if needed?	✓	
Reagents		
Reagents entered correctly according to method? Are units correct?	NA	
Reagent amounts reflect final volume?	↓	
LCS/LCSD/MS/MSD: Spike amount reviewed?	↓	
If soil MS/MSD has a dilution, do spike amounts reflect final volume and dilution made?	↓	
Sample Results		
ICV/CCV: %R Reviewed/Correct?	NA	
Are Method Blank concentrations < reporting limit?	NA	
LCS/LCSD/MS/MSD: %R Reviewed and flagged/qualified or was an NCM created, if needed?	NA	
Is sample duplicate (or MS/MSD or LCS/LCSD) RPD within QC limits?	✓	
Samples: Are Primary results set correctly? Are other analyses set to Secondary or Acceptable? Are unacceptable results set to Rejected or Not Needed?	✓	
Were sample holding times met or flagged/qualified or NCM created if needed?	✓	
QC Links		
QC types and samples linked properly?	✓	
Is corresponding original sample/MS/MSD present in Batch? If not, circle one: Original Sample/ MS/ MSD Batch No.	NA	
List Non Conformance Memos Here 1. 2. 3. 4.	Job #	Reason
Job Number(s): <u>180-142287, 142268, 142292</u>		

2nd Level Review by/Date: _____

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 862206
Method: 9014

Analyst Initials: YAH
Instrument: No Equipment

Lab Sample ID: MB 460-862202/1-A

Analysis Date: Aug 19, 2022 16:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	None	1	0	mg/L	10 g	50 mL

Lab Sample ID: LCS 460-862202/2-A

Analysis Date: Aug 19, 2022 16:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	None	1	0.993964	mg/L	10 g	50 mL

Lab Sample ID: 180-142292-D-1-B

Analysis Date: Aug 19, 2022 16:45

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Cyanide, Reactive	None	1	0	mg/L	10 g	50 mL

General Chemistry Raw Data Report

Job ID: 180-142292-1

Batch: 862205
Method: 9034

Analyst Initials: YAH
Instrument: No Equipment

Lab Sample ID: MB 460-862199/1-A

Analysis Date: Aug 19, 2022 16:42

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	1.603	mg/L	10 g	50 mL

Lab Sample ID: LCSSRM 460-862199/3-A

Analysis Date: Aug 19, 2022 16:42

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	12.824	mg/L	10 g	50 mL

Lab Sample ID: 180-142292-D-1-A

Analysis Date: Aug 19, 2022 16:42

Analyte	Detector	Dilution	Raw Result	Unit	Initial Amount	Final Amount
Sulfide, Reactive	None	1	0	mg/L	10 g	50 mL

Subcontract Data

Shipping and Receiving Documents

Page 2282 of 2287



180-142292 Waybill

ORIGIN ID: VAKA
TYLER NOWAK
ANCHOR QEA
400 SOUTH 5TH ST

(518) 852-5562

SHIP DATE: 01AUG22
ACTWGT: 20.00 LB
CAD: 109495568/INET4490
DIMS: 15x12x12 IN

HARRISON, NJ 07029
UNITED STATES US

BILL SENDER

TO **CARRIE GAMBER**
EUROFINS TEST AMERICA
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-2428

REF. 160469-02.16 T2

INV
PO: TYLER NOWAK

DEPT FIELD SAMPLING



FedEx
Express



581J2/F39D/FE4A

FedEx Ship Manager - Print Your Label(s)

TRK#
0201

7775 4253 1058

TUE - 02 AUG 10:30A
PRIORITY OVERNIGHT

NA AGCA

15238
PIT

Uncorrected temp
Thermometer ID

3.4 °C

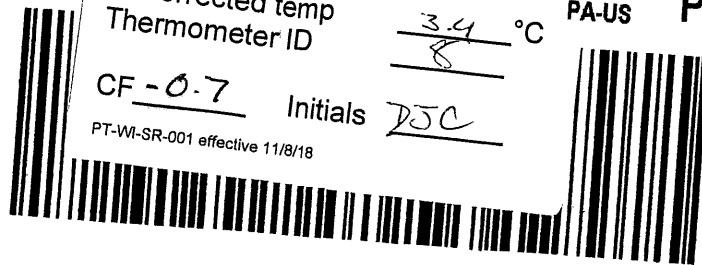
PA-US

CF - 0.7

Initials

DJC

PT-WI-SR-001 effective 11/8/18



8/1/22, 3:20 PM

8/1/22, 3:20 PM

FedEx Ship Manager - Print Your Label(s)

NA AGCA

TRK# 0201 7775 4253 1058

TUE - 02 AUG 10:30A

PRIORITY OVERNIGHT

15238 PIT PA-US

Uncorrected temp 3.4 °C

Thermometer ID 8

CF - 0.7

Initials JSC

PT-WI-SR-001 effective 11/8/18

TO CARRIE GAMBER

EUROFINS TEST AMERICA

301 ALPHA DR

PITTSBURGH PA 15238

REF: 160469-02.16 T2

DEPT FIELD SAMPLING

SHIP DATE: 01AUG22

ACTWGT: 20.00 LB

CAD: 109495568/NET4490

DIMS: 15x12x12 IN

BILL SENDER

ORIGIN ID: VAKA

TYLER NOWAK

ANCHOR QEA

400 SOUTH 5TH ST

HARRISON, NJ 07029

UNITED STATES US

(518) 852-5562

180-142292 Waybill

581.12/F390/FE4A

FedEx Express

422022412011

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 180-142292-1

Login Number: 142292
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 180-142292-1

Login Number: 142292

List Number: 2

Creator: Armbruster, Chris

List Source: Eurofins Edison

List Creation: 08/04/22 11:43 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C IR9
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	